



CATALOGUE 2017

NOVELTIES 2017



CERTIFICATES AND ACCREDITATION



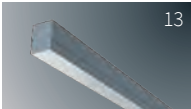
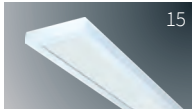
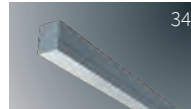
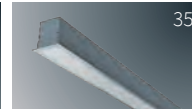
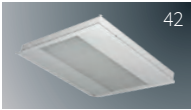
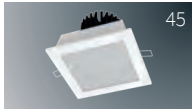
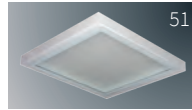
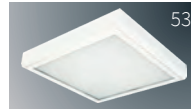
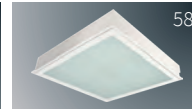
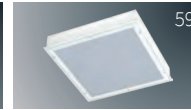
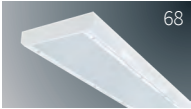
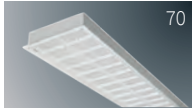
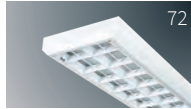
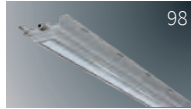
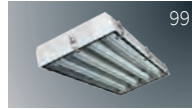
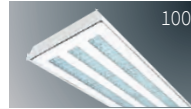
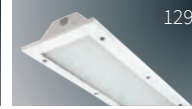
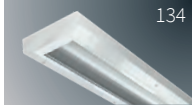
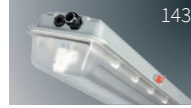
COMPANY CD 2017

We would like to introduce our company CD 2017

CD includes complete information about our firm – company catalogue, catalogue of testing laboratory of light fittings, installation of company calculation programs, product database for WILS program, database with photometric data in Eulumdat (*.ldt) and contact to all company departments.

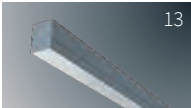
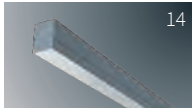
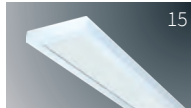
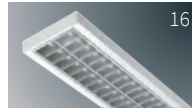
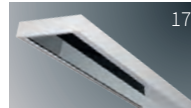
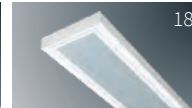
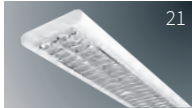
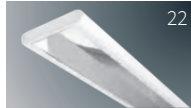
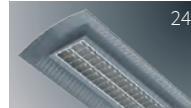
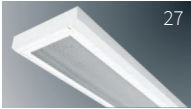
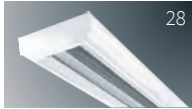
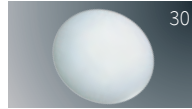
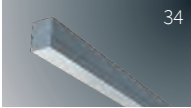
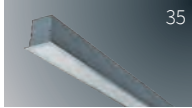
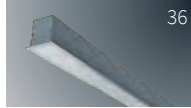
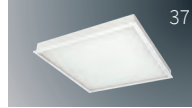
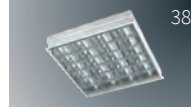
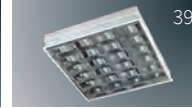
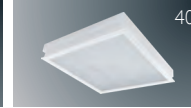
In case of your interest in sending this CD please order it in sales department by e-mail: sale@vyrtych.cz.

LED LIGHTING FIXTURES

 13	 15	 19	 31	 34	 35	 37
MAWERICK-LED (IP 20)	GRIFON-LED (IP 40)	FOX-LED (IP 40)	CORSO-LED (IP 65)	MAWERICK3-LED (IP 40)	MAWERICK2-LED (IP 40)	BALOT-LED (IP 20/IP 40)
 42	 45	 46	 51	 53	 58	 59
BARBET-LED (IP 20/IP 40)	BANDOG-SQUARE-LED (IP 43/IP 20)	BANDOG-LED (IP 20/IP 40)	CORG-LED (IP 65)	HOOVER4-LED (IP 65)	HOUND-MAG/2/3-LED (IP 65)	HOOVER-LED (IP 65)
 68	 70	 72	 76	 79	 82	 86
FALCON-SPORT-LED (IP 43)	BALOT-SPORT-LED (IP 43)	FORK-LED (IP 23)	EUROPA-LED (IP 66)	EXTRA-LED (IP 66)	VIPET-LED (IP 66)	POINTER-LED (IP 66)
 93	 96	 98	 99	 100	 105	 106
AQUA-70-LED (IP 68)	AQUA-40-LED (IP 65)	HUSKY-LED (IP)	DUNKER65-LED-L (IP)	DUNKER65-LED (IP 65)	LARO43-LED (IP 43)	LARO20-LED (IP 20)
 108	 110	 112	 113	 120	 129	 130
SALUKA-LED (IP 66)	PITBUL-LED (IP 65)	RIDGE20 (IP 20)	RIDGE43 (IP 43)	SALUKA-LED-FROST (IP 66)	STAFORD-LED (IP 65)	STAFORD-LED-II (IP 65)
 132	 134	 138	 142	 143	 146	 151
RAMBO-LED (IP 67, IP 42)	BOXER-LED (IP 64)	CLUMBER-LED (IP 54)	EXTRA-Ex-LED (IP 66)	EXTEND-Ex-P-LED (IP 66)	PITBUL-Ex-LED (IP 65)	EXTRA-N-LED (IP 66)
 165	 166	 167	 168	 168	 170	 181
PALAS-LED (IP 65)	DIOS (IP 65)	VELOS (IP 20)	PLANETE 60D (IP 41)	NEXILITE (IP 40/IP 65)	LEDUS (IP 42)	VESPER-LED (IP 65)

INTERIOR LIGHTING FIXTURES

12-49

 13	 14	 15	 16	 17	 18	 19
MAWERICK-LED (IP 20)	MAWERICK (IP 20)	GRIFON-LED (IP 40)	GRIFON, GRIFON-D/I (IP 20)	GRIFON-AS (IP 20)	GRIFON-PX, GRIFON-D/I-PX (IP 40, IP 20)	FOX-LED (IP 40)
 20	 21	 22	 23	 24	 25	 26
FOX (IP 40)	YORK, YORK D/I (IP 20)	YORK-AS (IP 20)	YORK-PX, YORK-D/I-PX (IP 40, IP 20)	KELPIE, KELPIE D/I (IP 20)	FALCON-AR, FALCON-D/I-AR (IP 20)	FALCON-BAP, FALCON-D/I-BAP (IP 20)
 27	 28	 29	 30	 31	 32	 33
FALCON-PX, FALCON-D/I-PX (IP 40, IP 20)	FALCON-AS, FALCON-P(Z)-AS (IP 20)	BRIARD (IP 20)	PULI (IP 40)	CORSO-LED (IP 65)	CORSO (IP 65)	BIGL-S, BIGL-D (IP 43, IP 20)
 34	 35	 36	 37	 38	 39	 40
MAWERICK3-LED (IP 40)	MAWERICK2-LED (IP 40)	MAWERICK2 (IP 40)	BALOT-LED (IP 20/IP 40)	BALOT-AR, BALOT2/3-AR (IP 20)	BALOT-BAP, BALOT2/3-BAP (IP 20)	BALOT-PX, BALOT2/3-PX (IP 20)



LIGHTING FOR CLEAN ROOMS

50-66



LIGHTING FOR SPORT AREAS

67-74



INDUSTRIAL LIGHTING FIXTURES

75-116





LIGHTING FIXTURES FOR EXTREME AMBIENT TEMPERATURE

117–126



LIGHTING FIXTURES FOR HIGH RISK OF DAMAGE – VANDALPROOF

127–139



LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES

140–163



EMERGENCY LIGHTING FIXTURES

164–176



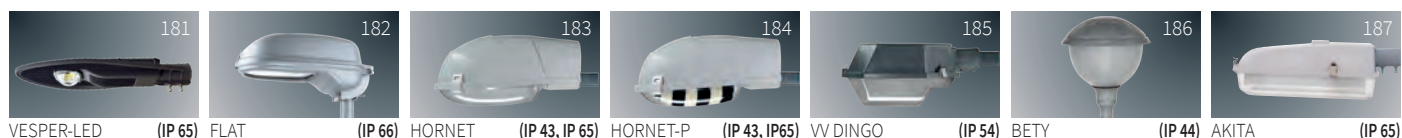
INDUSTRIAL DISCHARGE LIGHTING FIXTURES

177–179



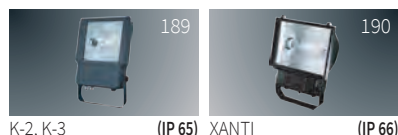
ROADWAY AND AREA LIGHTING FIXTURES

180–187



FLOODLIGHTS

188–190



CATALOGUE 2017 – DATA SHEET FORMAT

Degree of protection

Symbols - for the legend of symbols please see page 191

Description

Certification

Dimensions scheme

Example of luminous curve

Specified area of installation

SALUKA-N

IP 66

Technical parameters

Specified application of luminaires in area with danger of explosion



HISTORY

- 1924 establishment of company Dufek – Elektrotechnický závod, which provided the constructions of secondary distribution nets, constructions of lighting conductors, electroinstallations, maintenance of electroservice and sale of electric motors (Českomoravská Kolben Daněk (ČKD))
- 1951 activities interrupted by decision of ONV (Regional National Committee)
- 1991 establishment of company Ing. Ladislav Vyrtych – Elektrotechnický závod, which continued in tradition of company Dufek – Elektrotechnický závod
- 1997 establishment of the first private testing laboratory
- 2000 accreditation of testing laboratory in defined testing of luminaires and photometrical measurements
- 2002 began production in own plastic division plant
- 2007 transformation on company VYRTYCH a.s.
- 2008 began production in own metal processing plant
- 2013 implementation of new information system

PROFILE

Company VYRTYCH a.s. operates on the market for period of twenty five years and ranks with the principal Czech lighting producers.. It is modern and dynamic company with Czech ownership.

The area of the company has about 60 000 m², where there are situated 7 buildings with total area about 15 000 m². There are administrative facilities, stocks and own producing facilities (plastic division, metal plant, lighting assembly lines and other workshops).

The company offers very wide producing range, which comply with most of requirements from the customers. Has own developmental and design department, complete producing technology and accredited testing laboratory, thats enable to satisfy the special requirements for production of atypical providing of luminaires.

The company is specializing on development and production of luminaires for special applications like lighting equipments for areas with danger of explosion, industrial lighting with high degree of protection against of water and dust penetration (IP54 – IP68), lighting for extremal ambient temperatures and for areas with high risk of damage (antivandal). These products there are highlighted by top-level technical parameters, thats makes us them unique between others.

The company has got the certificates as followed :

IQNet according to ISO 9001:2008

CQS according to ČSN EN ISO 9001:2009

EZU according to ČEN EN ISO 9001:2009

For production of luminaires for areas with danger of explosion with type of protection according to certification our company has got the certificate FTZÚ 04 ATEX Q 016 from FTZÚ certify authority Ostrava-Radvanice.

DEVELOPMENT OF LIGHTING

Development department is equipped with modern software in order to create new efficient designs of lighting models includes lighting engineering characteristics and abilities for parameters optimization just in stage of development. With production of prototypes by means of 3D printing we are able very fast to check the functionality and correctness of design. One of the big advantages is the possibility to use own accredited testing laboratory equipped with modern technology for development of new luminaires.

TECHNICAL SUPPORT

Technical department provide operational and technical support for all departments of company. One of the main activities is arrangement of all technological and producing processes like CNC programs and producing documentation. Another important task is support for sales and technical consulting for customers. Well educated experts of technical support are fully qualified to answer on requirements about functionality and possibilities in frame of lighting projects.

SALE

Sales department in the first place is focused on requirements fulfilment from side of the customers, it means max. possible commercial and technical support with price quotations, lighting design and lighting calculations, trainings for designers and consult-ing service.

Export activity rate of company VYRTYCH is about 50% from total turnovers. We distribute our products on more than 70 export markets.

The company has got the certificate EAC approved the sales on Customs Union markets like Russia, Belorussia and Kazakhstan.

As regularly we participate on International Lighting fairs like Light+Building in Frankfurt (Germany), Middle East Electricity in Dubai (UAE), ADIPEC in Abu Dhabi (UAE), Energetic & Elektrotechnics in St.Petersburg (Russia)

PRODUCTION

Plastic division is equipped with injection technology from Engel, served by technology of mixing, drying or milling. All injection moulds are owned by our company, thats guarantee original design of all plastic parts. The moulds are served by qualified staff and high-quality setters, thats means problem-free operation fulfilled the requirements of production in highest quality.

Metal producton is equipped with various technologies as follo-wed: cut out mashines and folding brakes from company TRUMPF, shaping on automatic Centre bending mashine from company RAS. We use the line for production of louvres from high polished aluminium sheets. The next workplace in metal plant is fully automatic powder painting shop with integrated technologies for removal and surface sulfatization treatment. The part of painting shop is also rendering station for environmentally safe. Other technologies of metal plant there are hydraulic press, turning, grinding etc. Also available tool works for maintenance of all equipment and production of smaller tools.



Lighting assembly line is completed by the line for gasket apply in foam material and line for cut of profile material. The final assembly proces is very laboured as for skilfulness and professionalism of assembling staff. Each product 100% tested by functionality, transitional resistance and electric current.

CENTER OF DEVELOPMENTAL AND TESTING LABORATORIES – is czech independent testing laboratory, specialized on testing and check of technical requirements of products before to be supplied on the markets. There are safety tests of low voltage electrical devices, photometrical measurements of lighting fixtures and lamps, material tests, developmental prototypes testing according to specific requirements.

Testing laboratory established in 1997 as the first private testing laboratory in Czech Republic. The first accreditation for lighting testing and photometrical measurements has got in 2000. Since that time it registered with No 1279 as accredited by Czech Institute for accreditation, o. p. s. according the norm ČSN EN ISO/IEC 17025.

In period 2012-2013 testing laboratory was modernized by means of constructed new building. This fact enabled not only enlargement of testing facilities, but also scale of tests. Testing laboratory has got new modern testing technologies for mechanical and material testing, climatic testing, EMC testing and photometrical testing with measurement of photobiological safety.

We offer flexible technical cooperation for producers, distributors and importers of electrical equipments, who wants to check and prove the safety of the products. Modern technical facilities, top-of-the-range instrumental equipment, longterm expiriences and high professionalism of staff is guarantee the high quality of provided services.

Our advantages:

- Professional level of testing
- Modern testing equipment
- Acceptable level of pricing for tesing
- Short terms for provided orders

Provided basic tests:

I – Test of electric safety - LVD

- thermal and durability tests
- electric tests (electric strenght, isolation resistance, transitional resistance, escape and touch current)
- protecton degree tests IP
- tests of mechanical characteristics
- tests of resistance against of heating, fire and creeping current

II – Photometrical measurements

- measurements of luminous flux
- measurements lighting distribution
- measurements photobiological safety
- LED spectral measurement

III - Electromagnetic compatibility – EMC

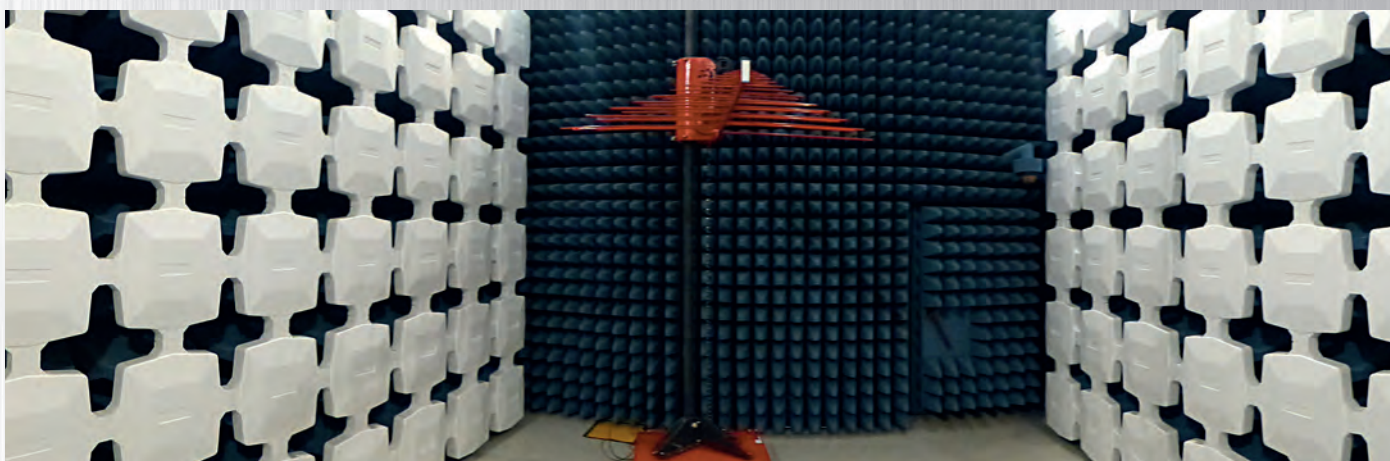
- tests of electromagnetic interference/emissions (EMI)
- tests of electromagnetic resistance/immunity(EMS)

IV – Climatic tests and tests of environment influence

- tests of thermal resistance
- test by cooler
- test by dry heat
- test by damp heat
- test by salty fog
- tests of resistance against of sunny radiation

V – Mechanical and material tests

- impact tests (IK)
- tests of traction and bending characteristics
- tests of impact tenacity



EMC chamber



dust chamber



chamber for tests of corrosion



climatic chamber



goniophotometer



tests for protection degree



electric safety



NANOTECHNOLOGY ENTER THE WORLD OF LIGHTING

Dear Business Partners,

We would like to introduce you an innovative solution of luminaries protection using nanotechnology. **VYRTYCH** company has developed a special technology of application the nano layers on the diffuser and body fixtures as the first in the Czech Republic.

Fixtures with nano layer has the following characteristics:

- ♦ long-term, durable hydrophobic and oleophobic protection
- ♦ reduces adhesion of dust and dirt (grease, limescale, etc.) to improve maintenance factor values
- ♦ UV resistance
- ♦ antibacterial function and protection
- ♦ easy cleaning
- ♦ does not contain dangerous substances, any hazardous teflon, silicones and waxes
- ♦ 100% biodegradable

Using nanostructures can instill products different characteristics that ordinary materials do not have.

Attributes of nanoparticles have been used in the case of surface modifying of luminaries bodies. On the fixtures surface were applied nanoprotection layer suitable for plastic, polycarbonate, plexiglas, glass, painted surfaces, ceramics, glazed surfaces and surfaces with plastic paint. Nanoparticles are applied on the surface by robotic spray head, that applied a consistent layer of the fusion over the entire surface of the fixtures body. Material of nanoparticles create on the surface the nanostructured consistend homogeneous layer of thickness 50-100 nm. To maintain long life nanosurfaces, surface of body fixtures must be excited on molecular and atomic level and also be rid of organic contaminants and microorganisms at first. This is done by cold plasma at temperatures near the room. Applied nanoparticles are thus bound to the fixture surface of physical and chemical bonds, but also with atoms.

This ensures the longevity and stability of the nanolayer during the lifetime of the light fitting. It is possible to customize the nanolayers so that the surface of the body fixtures is antibacterial or reducing his adhesiveness. This minimizes the adhesion of microorganisms, dust and other particles. Then, the surfaces can be cleaned only by water or rubber without using cleaning chemicals.

How nanoparticles and nanostructures actually work?

Dimensions of nanoparticles are between 1 to 100 nm³. With such small dimensions are not working rules of classical physics anymore, and quantum mechanical principles are coming, that are beyond the comprehension of the world visible to the naked eye. The basic building block of such particles are usually the atoms themselves. In the materials behavior in this form are coming significant physical, chemical and biological changes.

Nanoparticles are very useful in chemical reactions and surface modification. Thanks to nanoparticles can affect, for example: the melting point of some elements, mechanical properties- materials can acquire a much higher mechanical strength while reducing their weight, you can achieve high surface hardness, significant ductility or superplasticity. Can also modify the properties of electrical, magnetic, or optical (by using one and the same element can be achieved a different optical perception). It is also a known antibacterial attribute of these materials in the nanoparticles form, where the nanostructured material becomes highly toxic to a number of microorganisms.

Nanotechnology
is a key technology of the 21st century,
which will bring many opportunities
for further improvement
products in the future





INTERIOR LIGHTING FIXTURES

MAWERICK-LED

IP 20



Application: direct lighting in offices, schools and commercial premises.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC

Body: AL ELOX – anodized aluminium profile

Reflector: WR – white painted steel sheet

Cover: OP – optical opal cover PMMA

Fastening: Direct fastening on the ceiling, suspension via cable suspenders

Connection: screwless terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T _a /K	(lm)*	(W)**	AuB/C (mm)
051300	MAWERICK-LED-2500-3K	3000	1413	18	570x59x79
051301	MAWERICK-LED-2600-4K	4000	1469	18	570x59x79
051302	MAWERICK-LED-3750-3K	3000	2119	26	850x59x79
051303	MAWERICK-LED-3900-4K	4000	2204	26	850x59x79
051304	MAWERICK-LED-5000-3K	3000	2825	35	1130x59x79
051305	MAWERICK-LED-5250-4K	4000	2966	35	1130x59x79
051306	MAWERICK-LED-6250-3K	3000	3534	44	1410x59x79
051307	MAWERICK-LED-6550-4K	4000	3701	44	1410x59x79
051308	MAWERICK-LED-7500-3K	3000	4238	53	1690x59x79
051309	MAWERICK-LED-7850-4K	4000	4435	53	1690x59x79
051310	MAWERICK-LED-8700-3K	3000	4944	62	1970x59x79
051311	MAWERICK-LED-9100-4K	4000	5170	62	1970x59x79

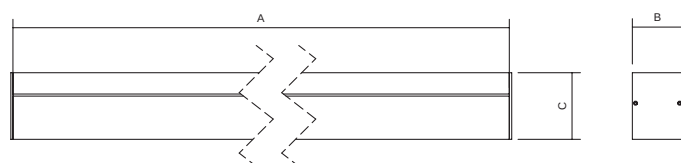
		T _a /K	(lm)*	(W)**	AuB/C (mm)
051312	MAWERICK-LED-2800-3K	3000	1598	20	570x59x79
051313	MAWERICK-LED-2950-4K	4000	1675	20	570x59x79
051314	MAWERICK-LED-4250-3K	3000	2398	30	850x59x79
051315	MAWERICK-LED-4450-4K	4000	2512	30	850x59x79
051316	MAWERICK-LED-5650-3K	3000	3197	40	1130x59x79
051317	MAWERICK-LED-5900-4K	4000	3349	40	1130x59x79
051318	MAWERICK-LED-7050-3K	3000	3997	50	1410x59x79
051319	MAWERICK-LED-7400-4K	4000	4187	50	1410x59x79
051320	MAWERICK-LED-8450-3K	3000	4795	61	1690x59x79
051321	MAWERICK-LED-8900-4K	4000	5024	61	1690x59x79
051322	MAWERICK-LED-9900-3K	3000	5596	71	1970x59x79
051323	MAWERICK-LED-10350-4K	4000	5861	71	1970x59x79

– special equipment

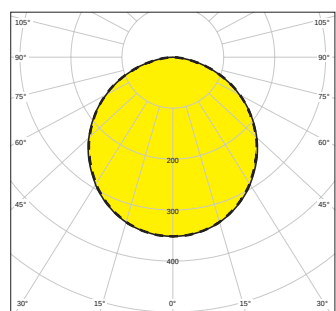
051155 Ceiling cap including transparent cable 3x1,5m2 (2,5m)

119999 Cable suspender

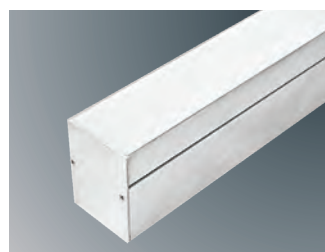
(lm)* - luminous flux, (W)** - input power



MAWERICK-LED-4K, IP20



— CO-C180 - - - - C90-C270



MAWERICK

IP 20



Application: direct lighting in offices, schools and commercial premises.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: AL ELOX – anodized aluminium profile

Reflector: MIRO – highly polished aluminium sheet MIRO SILVER®

Cover: OP – optical opal cover from PMMA

Fastening: direct fastening on the ceiling, suspension via cable suspenders

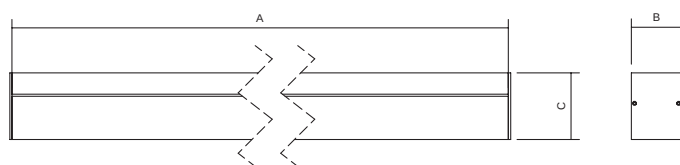
Connection: screwless five-poles terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires

On request: DIM – dimmable electronic ballast (DSI, DALI)

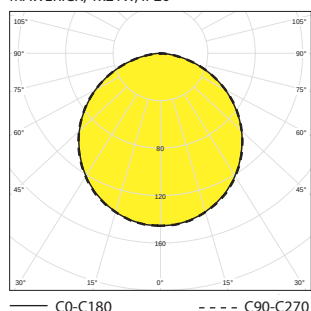
RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

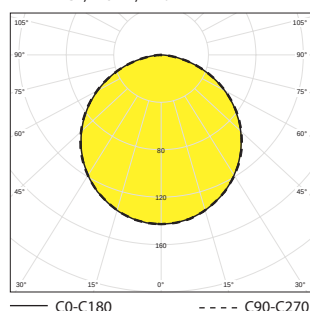
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



MAWERICK, 1x21W, IP20



MAWERICK, 1x54W, IP20

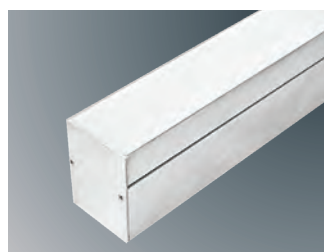


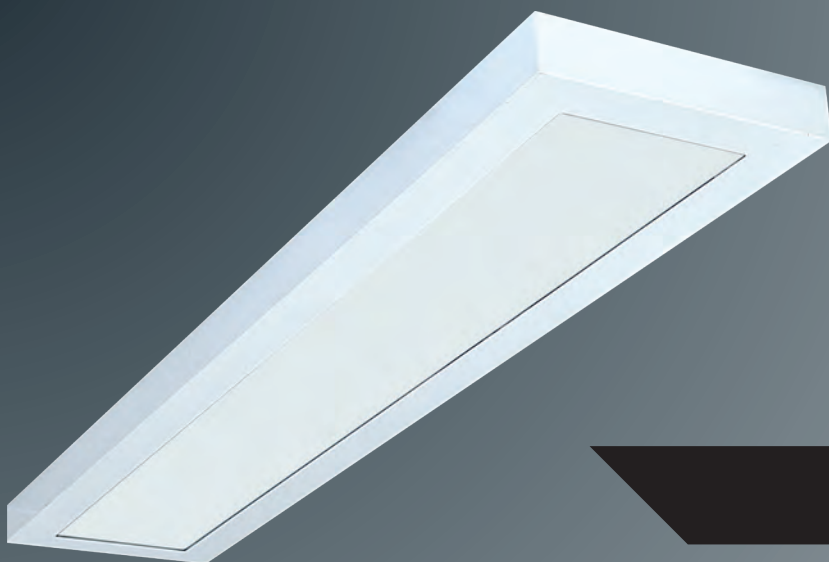
Icon	Icon	Icon	Icon	Icon
– electronic ballast, single				
051500	MAWERICK-114-EP, 1x14W			570 x 59 x 79
051501	MAWERICK-124-EP, 1x24W			570 x 59 x 79
051502	MAWERICK-121-EP, 1x21W			870 x 59 x 79
051503	MAWERICK-139-EP, 1x39W			870 x 59 x 79
051504	MAWERICK-128-EP, 1x28W	T16/G15		1170 x 59 x 79
051505	MAWERICK-154-EP, 1x54W			1170 x 59 x 79
051506	MAWERICK-135-EP, 1x35W			1470 x 59 x 79
051507	MAWERICK-149-EP, 1x49W			1470 x 59 x 79
051508	MAWERICK-180-EP, 1x80W			1470 x 59 x 79

Icon	Icon	Icon	Icon	Icon
– electronic ballast, beginning/ending				
051510	MAWERICK-Z-114-EP, 1x14W			525 x 59 x 79
051511	MAWERICK-Z-124-EP, 1x24W			525 x 59 x 79
051512	MAWERICK-Z-121-EP, 1x21W			825 x 59 x 79
051513	MAWERICK-Z-139-EP, 1x39W			825 x 59 x 79
051514	MAWERICK-Z-128-EP, 1x28W	T16/G15		1125 x 59 x 79
051515	MAWERICK-Z-154-EP, 1x54W			1125 x 59 x 79
051516	MAWERICK-Z-135-EP, 1x35W			1425 x 59 x 79
051517	MAWERICK-Z-149-EP, 1x49W			1425 x 59 x 79
051518	MAWERICK-Z-180-EP, 1x80W			1425 x 59 x 79

Icon	Icon	Icon	Icon	Icon
– electronic ballast, middle				
051520	MAWERICK-P-114-EP, 1x14W			480 x 59 x 79
051521	MAWERICK-P-124-EP, 1x24W			480 x 59 x 79
051522	MAWERICK-P-121-EP, 1x21W			780 x 59 x 79
051523	MAWERICK-P-139-EP, 1x39W			780 x 59 x 79
051524	MAWERICK-P-128-EP, 1x28W	T16/G15		1080 x 59 x 79
051525	MAWERICK-P-154-EP, 1x54W			1080 x 59 x 79
051526	MAWERICK-P-135-EP, 1x35W			1380 x 59 x 79
051527	MAWERICK-P-149-EP, 1x49W			1380 x 59 x 79
051528	MAWERICK-P-180-EP, 1x80W			1380 x 59 x 79

– special equipment				
051155	Ceiling cap with transparent cable 3x1,5 m ² , l=2,5 m			
119999	Cable suspender - I (1 pc)			





GRIFON-LED

IP 40



Application: direct lighting in offices, schools, and commercial premises.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: OP – optical opal plexiglass

SP – optical satin microprism cover

Fastening: direct fastening on the ceiling or wall, suspension via cable suspenders

Connection: Screwless terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T _a	(lm)*	(W)**	A ₀ x C ₀ (mm)
057480	GRIFON-LED-OP-3250-3K	3000	2464	27	650 x 250 x 60
057481	GRIFON-LED-OP-3400-4K	4000	2580	27	650 x 250 x 60
057482	GRIFON-LED-OP-3500-3K	3000	2670	25	650 x 250 x 60
057483	GRIFON-LED-OP-3700-4K	4000	2800	25	650 x 250 x 60

		T _a	(lm)*	(W)**	A ₀ x C ₀ (mm)
057484	GRIFON-LED-OP-6050-3K	3000	4460	48	1200 x 250 x 60
057485	GRIFON-LED-OP-6350-4K	4000	4735	48	1200 x 250 x 60
057486	GRIFON-LED-OP-7050-3K	3000	5260	50	1200 x 250 x 60
057487	GRIFON-LED-OP-7400-4K	4000	5503	50	1200 x 250 x 60

		T _a	(lm)*	(W)**	A ₀ x C ₀ (mm)
057488	GRIFON-LED-OP-8050-3K	3000	5981	63	1565 x 250 x 60
057489	GRIFON-LED-OP-8400-4K	4000	6236	63	1565 x 250 x 60
057490	GRIFON-LED-OP-9100-3K	3000	6756	71	1565 x 250 x 60
057491	GRIFON-LED-OP-9500-4K	4000	7068	71	1565 x 250 x 60

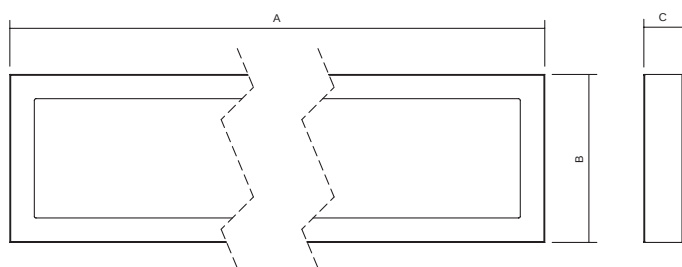
- special equipment

120000 Cable suspender – Y, l = 2 m, (1 pc)

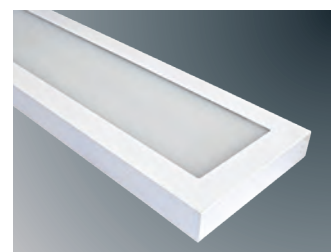
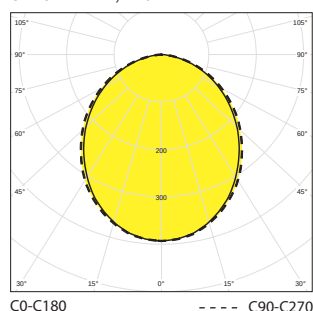
051136 Tube suspender Falcon 2x/3x/4x, L = 600 mm (2 pcs)

051155 Ceiling cap with transparent cable 3x1,5 m², l = 2,5 m

(lm)* - luminous flux, (W)** - input power



GRIFON-LED-4K, IP40



GRIFON, GRIFON-D/I

IP 20



Application: direct lighting in offices, schools and commercial premises. GRIFON-D/I - direct-indirect interior lighting (min. discharge ignition voltage of lamp ≥ 198 V DC)

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvers: DL – parabolic louvre from tarnished aluminium sheet

BAP – parabolic louvre from high polished aluminium sheet

MIRO – parabolic aluminium louvre from highly polished aluminium sheet MIRO SILVER®

Fastening: direct fastening on the ceiling, suspension via cable suspenders

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

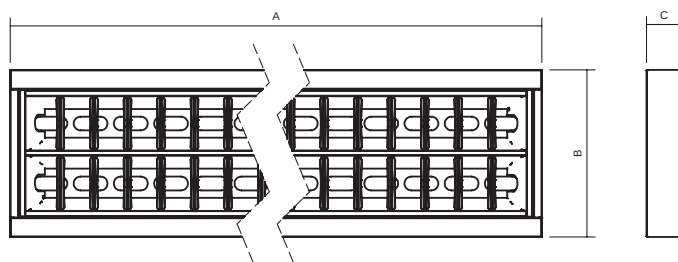
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

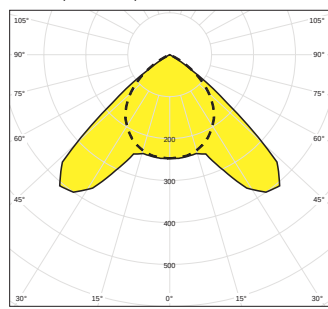
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

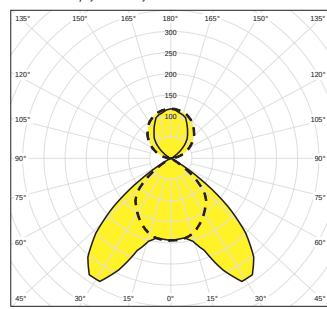
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



GRIFON, 2x54-BAP, IP20



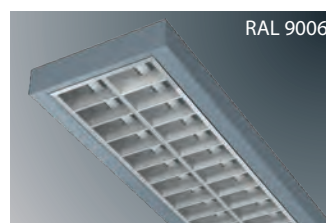
GRIFON-D/I, 2x35W, IP20



			AmbC (mm)
- electronic ballast – parabolic louvre from high polished aluminium sheet			
057326	GRIFON-114-BAP-EP, 1x14W		600 x 160 x 60
057327	GRIFON-124-BAP-EP, 1x24W		600 x 160 x 60
057328	GRIFON-214-BAP-EP, 2x14W		600 x 250 x 60
057329	GRIFON-224-BAP-EP, 2x24W		600 x 250 x 60
057330	GRIFON-121-BAP-EP, 1x21W		900 x 160 x 60
057331	GRIFON-139-BAP-EP, 1x39W		900 x 160 x 60
057332	GRIFON-221-BAP-EP, 2x21W		900 x 250 x 60
057333	GRIFON-239-BAP-EP, 2x39W		900 x 250 x 60
057408	GRIFON-128-BAP-EP, 1x28W	T16/G5	1200 x 160 x 60
057409	GRIFON-154-BAP-EP, 1x54W		1200 x 160 x 60
057410	GRIFON-228-BAP-EP, 2x28W		1200 x 250 x 60
057411	GRIFON-254-BAP-EP, 2x54W		1200 x 250 x 60
057412	GRIFON-135-BAP-EP, 1x35W		1500 x 160 x 60
057442	GRIFON-149-BAP-EP, 1x49W		1500 x 160 x 60
057413	GRIFON-180-BAP-EP, 1x80W		1500 x 160 x 60
057414	GRIFON-235-BAP-EP, 2x35W		1500 x 250 x 60
057443	GRIFON-249-BAP-EP, 2x49W		1500 x 250 x 60
057415	GRIFON-280-BAP-EP, 2x80W		1500 x 250 x 60

			AmbC (mm)
- electronic ballast – parabolic louvre from high polished aluminium sheet			
057342	GRIFON-D/I-114-BAP-EP, 1x14W		600 x 160 x 53
057343	GRIFON-D/I-124-BAP-EP, 1x24W		600 x 160 x 53
057344	GRIFON-D/I-214-BAP-EP, 2x14W		600 x 250 x 53
057345	GRIFON-D/I-224-BAP-EP, 2x24W		600 x 250 x 53
057346	GRIFON-D/I-121-BAP-EP, 1x21W		900 x 160 x 53
057347	GRIFON-D/I-139-BAP-EP, 1x39W		900 x 160 x 53
057348	GRIFON-D/I-221-BAP-EP, 2x21W		900 x 250 x 53
057349	GRIFON-D/I-239-BAP-EP, 2x39W		900 x 250 x 53
057358	GRIFON-D/I-128-BAP-EP, 1x28W	T16/G5	1200 x 160 x 53
057359	GRIFON-D/I-154-BAP-EP, 1x54W		1200 x 160 x 53
057360	GRIFON-D/I-228-BAP-EP, 2x28W		1200 x 250 x 53
057361	GRIFON-D/I-254-BAP-EP, 2x54W		1200 x 250 x 53
057362	GRIFON-D/I-135-BAP-EP, 1x35W		1500 x 160 x 53
057368	GRIFON-D/I-149-BAP-EP, 1x49W		1500 x 160 x 53
057363	GRIFON-D/I-180-BAP-EP, 1x80W		1500 x 160 x 53
057364	GRIFON-D/I-235-BAP-EP, 2x35W		1500 x 250 x 53
057369	GRIFON-D/I-249-BAP-EP, 2x49W		1500 x 250 x 53
057365	GRIFON-D/I-280-BAP-EP, 2x80W		1500 x 250 x 53

- special equipment	
120000	Cable suspender – Y, l = 2 m, (1 pc)
051140	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)
051136	Tube suspender Falcon 2x/3x/4x, L = 600 mm (2 pcs)
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m



RAL 9006



GRIFON-AS

IP 20



Application: direct lighting in offices, schools and commercial premises.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Reflector: asymmetric reflector made from high polished aluminium sheet

Fastening: direct fastening on the ceiling, suspension via cable or tube hangers

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

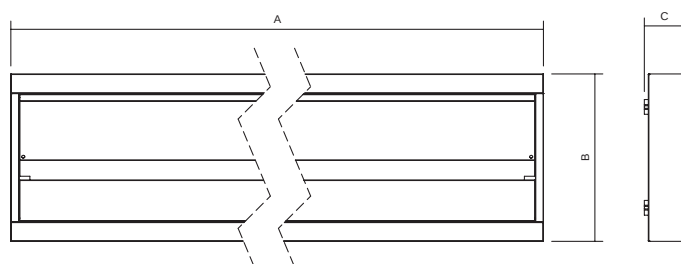
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

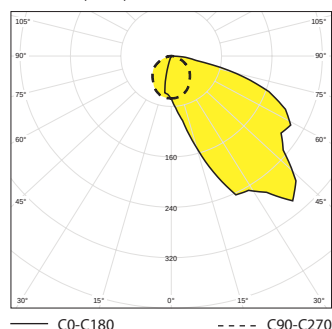
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

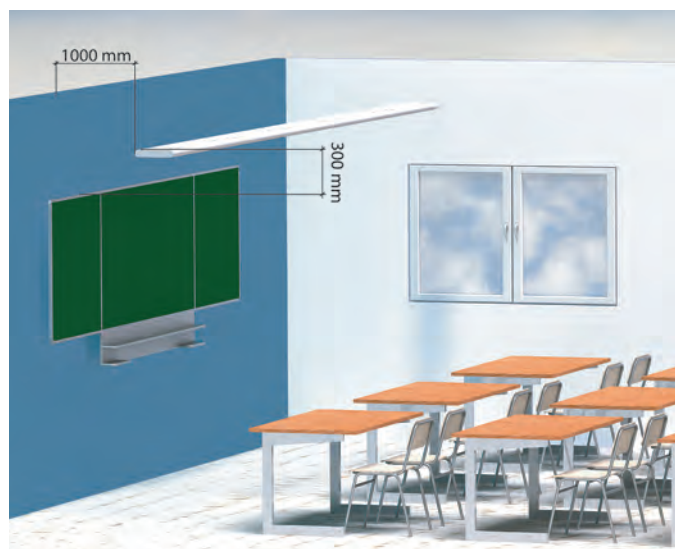
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



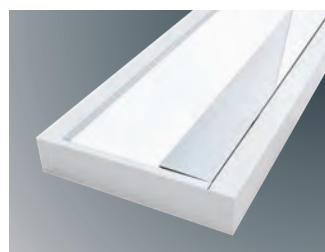
GRIFON-AS, 1x54, IP20



- electronic ballast				
057300	GRIFON-AS-128-EP, 1x28W			1200 x 250 x 60
057301	GRIFON-AS-154-EP, 1x54W			1200 x 250 x 60
057302	GRIFON-AS-135-EP, 1x35W	T16/G5		1500 x 250 x 60
057303	GRIFON-AS-149-EP, 1x49W			1500 x 250 x 60
057304	GRIFON-AS-180-EP, 1x80W			1500 x 250 x 60
- special equipment				
120000	Cable suspender – Y, l = 2 m, (1 pc)			
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m			



051155



GRIFON-PX, GRIFON-D/I-PX

IP 40, IP 20



Application: direct lighting hospitals, offices, schools as well as warehouses and commercial premises. GRIFON-D/I-PX - direct-indirect lighting of office buildings, schools and shops (ratio of radiation – 70:30). PX cover allows easier maintenance of lamps. D/I version is suitable only for protection IP20.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

MP – optical microprism

Fastening: direct fastening on the ceiling, suspension via cable or tube hangers

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

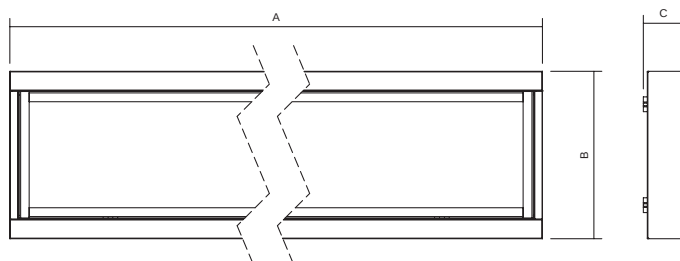
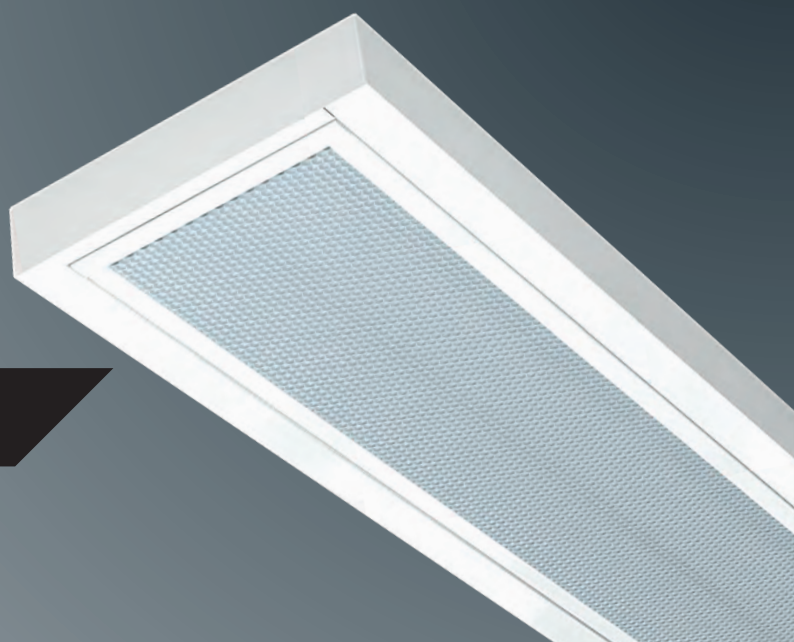
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

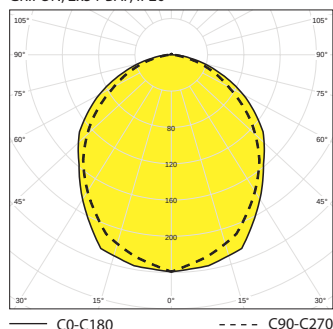
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



GRIFON, 2x54-BAP, IP20



			AxBxC (mm)
– electronic ballast			
057200	GRIFON-114-PX-EP, 1x14W	T16/G5	600 x 160 x 60
057201	GRIFON-124-PX-EP, 1x24W		600 x 160 x 60
057202	GRIFON-214-PX-EP, 2x14W		600 x 250 x 60
057203	GRIFON-224-PX-EP, 2x24W		600 x 250 x 60
057204	GRIFON-121-PX-EP, 1x21W		900 x 160 x 60
057205	GRIFON-139-PX-EP, 1x39W		900 x 160 x 60
057206	GRIFON-221-PX-EP, 2x21W		900 x 250 x 60
057207	GRIFON-239-PX-EP, 2x39W		900 x 250 x 60
057208	GRIFON-128-PX-EP, 1x28W		1200 x 160 x 60
057209	GRIFON-154-PX-EP, 1x54W		1200 x 160 x 60
057210	GRIFON-228-PX-EP, 2x28W		1200 x 250 x 60
057211	GRIFON-254-PX-EP, 2x54W		1200 x 250 x 60
057212	GRIFON-135-PX-EP, 1x35W		1500 x 160 x 60
057213	GRIFON-149-PX-EP, 1x49W		1500 x 160 x 60
057214	GRIFON-180-PX-EP, 1x80W		1500 x 160 x 60
057215	GRIFON-235-PX-EP, 2x35W		1500 x 250 x 60
057216	GRIFON-249-PX-EP, 2x49W		1500 x 250 x 60
057217	GRIFON-280-PX-EP, 2x80W		1500 x 250 x 60

			AxBxC (mm)
– electronic ballast			
057220	GRIFON-D/I-114-PX-EP, 1x14W	T16/G5	600 x 160 x 53
057221	GRIFON-D/I-124-PX-EP, 1x24W		600 x 160 x 53
057222	GRIFON-D/I-214-PX-EP, 2x14W		600 x 250 x 53
057223	GRIFON-D/I-224-PX-EP, 2x24W		600 x 250 x 53
057224	GRIFON-D/I-121-PX-EP, 1x21W		900 x 160 x 53
057225	GRIFON-D/I-139-PX-EP, 1x39W		900 x 160 x 53
057226	GRIFON-D/I-221-PX-EP, 2x21W		900 x 250 x 53
057227	GRIFON-D/I-239-PX-EP, 2x39W		900 x 250 x 53
057228	GRIFON-D/I-128-PX-EP, 1x28W		1200 x 160 x 53
057229	GRIFON-D/I-154-PX-EP, 1x54W		1200 x 160 x 53
057230	GRIFON-D/I-228-PX-EP, 2x28W		1200 x 250 x 53
057231	GRIFON-D/I-254-PX-EP, 2x54W		1200 x 250 x 53
057232	GRIFON-D/I-135-PX-EP, 1x35W		1500 x 160 x 53
057233	GRIFON-D/I-149-PX-EP, 1x49W		1500 x 160 x 53
057234	GRIFON-D/I-180-PX-EP, 1x80W		1500 x 160 x 53
057235	GRIFON-D/I-235-PX-EP, 2x35W		1500 x 250 x 53
057236	GRIFON-D/I-249-PX-EP, 2x49W		1500 x 250 x 53
057237	GRIFON-D/I-280-PX-EP, 2x80W		1500 x 250 x 53

– special equipment			
051136	Tube suspender Falcon 2x/3x/4x, L = 600 mm (2 pcs)		
051140	Tube suspender Falcon 1x, L = 600 mm (2 pcs)		
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m		

FOX-LED

IP 40



Application: direct lighting of shops, corridors, toilets and sanitary premises
Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC
Body: white painted metal sheet (RAL 9003)
Cover: PS (polystyren), UV stable diffusion plastic profile
Fastening: Direct fastening on the ceiling or on the wall
Connection: screwless terminal block for easy installation, max. diameter 2,5 mm². Light fixture is ready to connect two wires.
Lifetime: L80B50/50 000 h/30 °C

On request: **Em** – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (DSI, DALI)
RAL – another colour finish
3000 K, 5000 K, 6000 K – colour temperature
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		Tc/L	(lm)*	(W)**	AxBxC (mm)
050380	FOX-LED-3250-3K	3000	2464	27	650 x 165 x 63
050381	FOX-LED-3400-4K	4000	2580	27	650 x 165 x 63
050382	FOX-LED-3500-3K	3000	2670	25	650 x 165 x 63
050383	FOX-LED-3700-4K	4000	2800	25	650 x 165 x 63

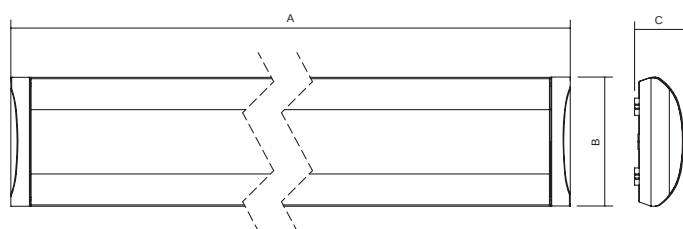
		Tc/L	(lm)*	(W)**	AxBxC (mm)
050384	FOX-LED-6050-3K	3000	4460	48	1215 x 165 x 63
050385	FOX-LED-6350-4K	4000	4735	48	1215 x 165 x 63
050386	FOX-LED-7050-3K	3000	5260	50	1215 x 165 x 63
050387	FOX-LED-7400-4K	4000	5503	50	1215 x 165 x 63

		Tc/L	(lm)*	(W)**	AxBxC (mm)
050388	FOX-LED-8050-3K	3000	5981	63	1495 x 165 x 63
050389	FOX-LED-8400-4K	4000	6236	63	1495 x 165 x 63
050390	FOX-LED-9100-3K	3000	6756	71	1495 x 165 x 63
050391	FOX-LED-9500-4K	4000	7068	71	1495 x 165 x 63

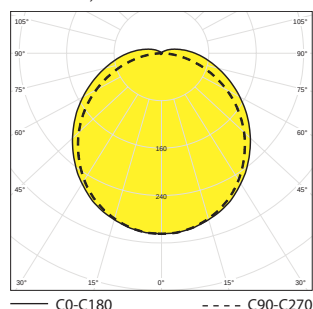
- special equipment

120000	Cable suspender – Y, l = 2 m, (1 pc)
051136	Tube suspender Falcon 2x/3x/4x, L = 600 mm (2 pcs)
051155	Ceiling cap with transparent cable 3x1,5 mm ² , l = 2,5 m

(lm)* - luminous flux, (W)** - input power



FOX-LED-4K, IP40

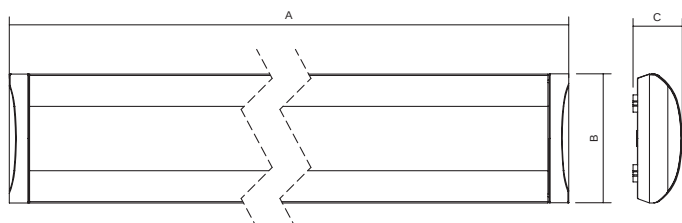


FOX

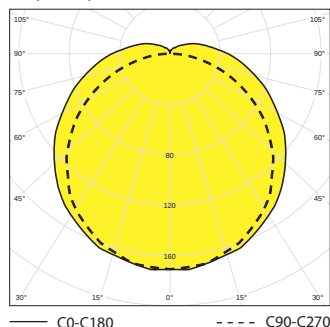
IP 40



Application: direct lighting of shops, corridors, toilets and sanitary premises.
Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)
Body: white painted metal sheet (RAL 9003)
Cover: PS (polystyren), UV stable diffusion plastic profile
Fastening: Direct fastening on the ceiling or on the wall
Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.
On request: EM – non-maintained emergency lighting (1h, 3h)
 MULTI – maintained emergency lighting (1h, 3h)
 DIM – dimmable electronic ballast (DSI, DALI)
 NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FOX, 2x36W, IP40



			
- electronic ballast			
050330	FOX-118-EP, 1x18W	T26/G13	705 x 165 x 63
050331	FOX-218-EP, 2x18W		705 x 165 x 63
050332	FOX-136-EP, 1x36W		1315 x 165 x 63
050333	FOX-236-EP, 2x36W		1315 x 165 x 63
050334	FOX-158-EP, 1x58W		1615 x 165 x 63
050335	FOX-258-EP, 2x58W		1615 x 165 x 63
			
- electronic ballast			
050308	FOX-214-EP, 2x14W	T16/G5	705 x 165 x 63
050309	FOX-224-EP, 2x24W		705 x 165 x 63
050320	FOX-235-EP, 2x35W		1575 x 165 x 63
050321	FOX-249-EP, 2x49W		1575 x 165 x 63
050310	FOX-221-EP, 2x21W		975 x 165 x 63
050311	FOX-239-EP, 2x39W		975 x 165 x 63
050312	FOX-228-EP, 2x28W		1275 x 165 x 63
050313	FOX-254-EP, 2x54W		1275 x 165 x 63
- special equipment			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender, l = 600 mm, (2 pcs)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m		





YORK, YORK D/I

IP 20



Application: direct lighting in offices, schools and commercial premises. YORK D/I - direct-indirect interior lighting (ratio of radiation 70:30)

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvers: DL – parabolic louver from tarnished aluminium sheet

BAP – parabolic louver from high polished aluminium sheet

Fastening: direct fastening on the ceiling, suspension via cable suspenders

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

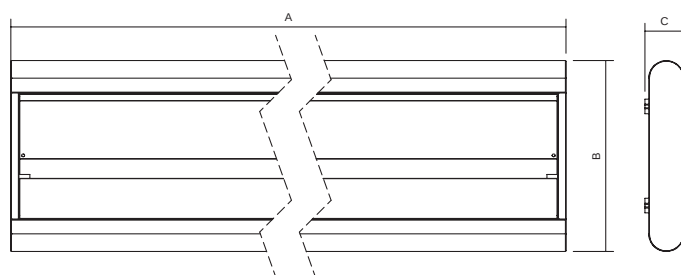
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

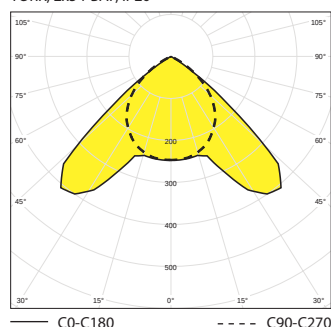
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

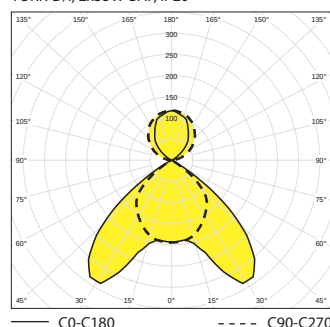
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



YORK, 2x54-BAP, IP20



YORK-D/I, 2x35W-BAP, IP20



			AxBxC (mm)
- electronic ballast - louver from tarnished aluminium sheet			
057005	YORK-228-DL-EP, 2x28W		1200 x 290 x 52
057006	YORK-254-DL-EP, 2x54W		1200 x 290 x 52
057007	YORK-235-DL-EP, 2x35W	T26/G13	1500 x 290 x 52
057008	YORK-249-DL-EP, 2x49W		1500 x 290 x 52
057009	YORK-280-DL-EP, 2x80W		1500 x 290 x 52

			AxBxC (mm)
- electronic ballast - louver from high polished aluminium sheet			
057000	YORK-228-BAP-EP, 2x28W		1200 x 290 x 52
057001	YORK-254-BAP-EP, 2x54W		1200 x 290 x 52
057002	YORK-235-BAP-EP, 2x35W	T26/G13	1500 x 290 x 52
057003	YORK-249-BAP-EP, 2x49W		1500 x 290 x 52
057004	YORK-280-BAP-EP, 2x80W		1500 x 290 x 52

			AxBxC (mm)
- electronic ballast - louver from tarnished aluminium sheet			
057015	YORK-D/I-228-DL-EP, 2x28W		1200 x 290 x 52
057016	YORK-D/I-254-DL-EP, 2x54W		1200 x 290 x 52
057017	YORK-D/I-235-DL-EP, 2x35W	T26/G13	1500 x 290 x 52
057018	YORK-D/I-249-DL-EP, 2x49W		1500 x 290 x 52
057019	YORK-D/I-280-DL-EP, 2x80W		1500 x 290 x 52

			AxBxC (mm)
- electronic ballast - louver from high polished aluminium sheet			
057010	YORK-D/I-228-BAP-EP, 2x28W		1200 x 290 x 52
057011	YORK-D/I-254-BAP-EP, 2x54W		1200 x 290 x 52
057012	YORK-D/I-235-BAP-EP, 2x35W	T26/G13	1500 x 290 x 52
057013	YORK-D/I-249-BAP-EP, 2x49W		1500 x 290 x 52
057014	YORK-D/I-280-BAP-EP, 2x80W		1500 x 290 x 52

			AxBxC (mm)
- special equipment			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender, l = 600 mm, (2 pcs)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m		

051155



YORK-AS

IP 20



Application: lighting retail shelves and blackboards.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Reflector: asymmetric reflector made from high polished aluminium sheet

Fastening: direct fastening on the ceiling, suspension via cable or tube hangers

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: EM – non-maintained emergency lighting (1h, 3h)

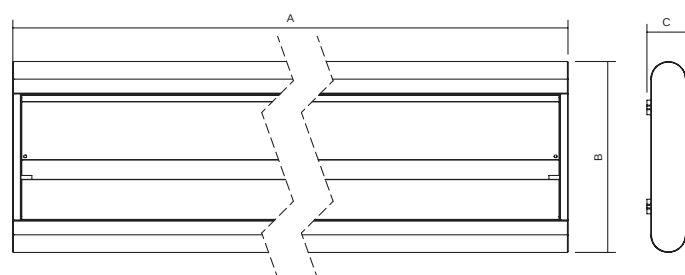
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

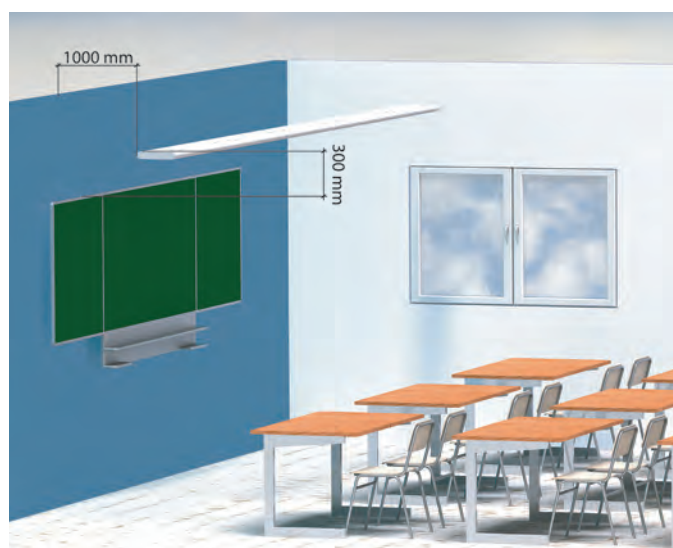
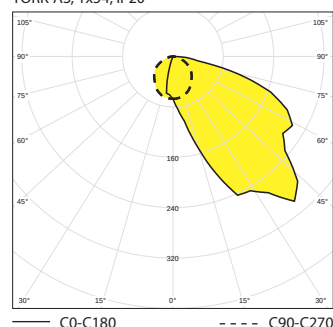
RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

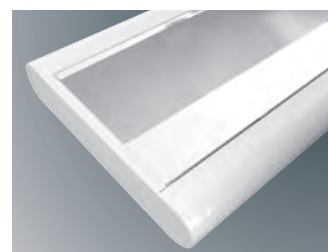
			AsBc (mm)
– electronic ballast			
057020	YORK-AS-128-EP, 1x28W		1200 x 290 x 52
057021	YORK-AS-154-EP, 1x54W		1200 x 290 x 52
057022	YORK-AS-135-EP, 1x35W	T16/G5	1500 x 290 x 52
057023	YORK-AS-149-EP, 1x49W		1500 x 290 x 52
057024	YORK-AS-180-EP, 1x80W		1500 x 290 x 52
– special equipment			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m		
051140	Tube suspender Falcon 1x, L = 600 mm (2 pcs)		



YORK-AS, 1x54, IP20



051155





YORK-PX, YORK-D/I-PX

IP 40, IP20



Application: direct lighting in offices, schools, hospitals and commercial premises. YORK-D/I-PX - direct-indirect lighting office buildings, schools and shops (ratio of radiation 70:30). PX cover allows easier maintenance of lightings. Version D/I has only IP20 protection.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

MP – optical microprism

Fastening: direct fastening on the ceiling, suspension via cable suspenders

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: EM – non-maintained emergency lighting (1h, 3h)

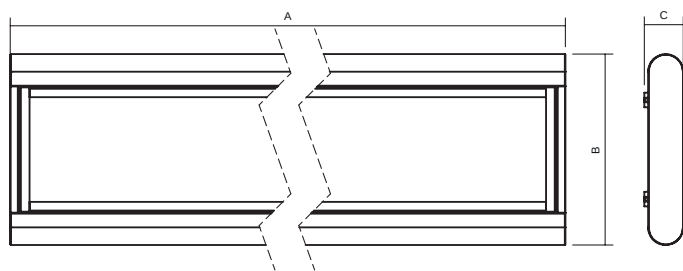
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

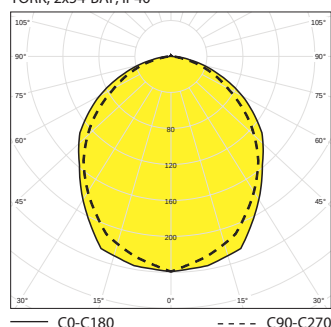
RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

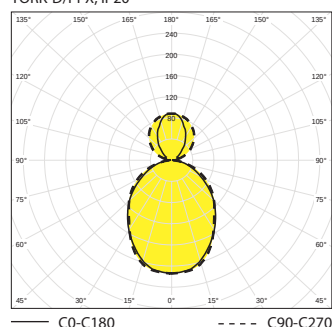
			
– electronic ballast			
056970	YORK-214-PX-EP, 2x14W	T16/G5	600 x 290 x 52
056971	YORK-224-PX-EP, 2x24W		600 x 290 x 52
056972	YORK-221-PX-EP, 2x21W		900 x 290 x 52
056973	YORK-239-PX-EP, 2x39W		900 x 290 x 52
056974	YORK-228-PX-EP, 2x28W		1200 x 290 x 52
056975	YORK-254-PX-EP, 2x54W		1200 x 290 x 52
056976	YORK-235-PX-EP, 2x35W		1500 x 290 x 52
056977	YORK-249-PX-EP, 2x49W		1500 x 290 x 52
056978	YORK-D/I-214-PX-EP, 2x14W		1500 x 290 x 52
056980	YORK-D/I-224-PX-EP, 2x24W		600 x 290 x 52
056981	YORK-D/I-221-PX-EP, 2x21W		600 x 290 x 52
056982	YORK-D/I-239-PX-EP, 2x39W		900 x 290 x 52
056983	YORK-D/I-239-PX-EP, 2x39W		900 x 290 x 52
056984	YORK-D/I-228-PX-EP, 2x28W		1200 x 290 x 52
056985	YORK-D/I-254-PX-EP, 2x54W		1200 x 290 x 52
056986	YORK-D/I-235-PX-EP, 2x35W		1500 x 290 x 52
056987	YORK-D/I-249-PX-EP, 2x49W	1500 x 290 x 52	
056988	YORK-D/I-280-PX-EP, 2x80W	1500 x 290 x 52	
– special equipment			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender, l = 600 mm, (2 pcs)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m)		



YORK, 2x54-BAP, IP40



YORK-D/I-PX, IP20



051155



KELPIE, KELPIE D/I

IP 20



Application: direct lighting in offices, schools and commercial premises. Using the additional wing is possible to select a suitable design. KELPIE D/I - direct-in-direct interior lighting suitable for lighting conference rooms, office buildings, offices and shops (ratio of radiation 70:30).

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9006)

Louvers: DL – parabolic louvre from tarnished aluminium sheet

BAP – parabolic louvre from high polished aluminium sheet

MIRO – parabolic aluminium louvre form highly polished aluminium sheet MIRO SILVER®

Fastening: Fastening via self-locking cable suspenders (included in accessories).

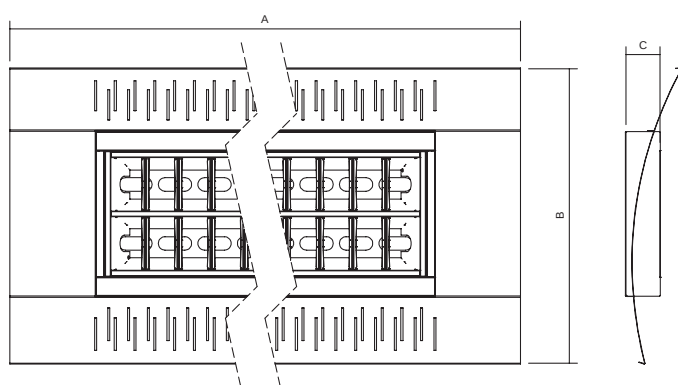
Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: EM – non-maintained emergency lighting (1h, 3h)

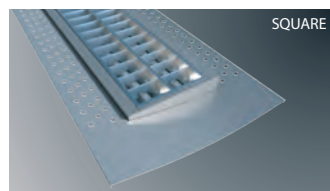
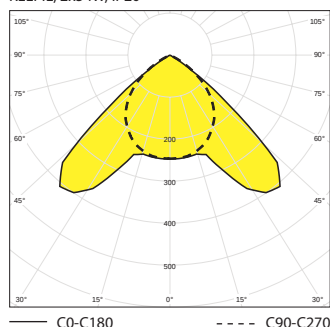
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



KELPIE, 2x54W, IP20



			AbxC (mm)
– electronic ballast, motive Rectangle			
050500	KELPIE-R-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 55
050501	KELPIE-R-228-BAP-EP, 2x28W		1200 x 250 x 55
050502	KELPIE-R-254-DL-EP, 2x54W		1200 x 250 x 55
050503	KELPIE-R-254-BAP-EP, 2x54W		1200 x 250 x 55
050504	KELPIE-R-235-DL-EP, 2x35W		1500 x 250 x 55
050505	KELPIE-R-235-BAP-EP, 2x35W		1500 x 250 x 55
050506	KELPIE-R-249-DL-EP, 2x49W		1500 x 250 x 55
050507	KELPIE-R-249-BAP-EP, 2x49W		1500 x 250 x 55
050508	KELPIE-R-280-DL-EP, 2x80W		1500 x 250 x 55
050509	KELPIE-R-280-BAP-EP, 2x80W		1500 x 250 x 55

			AbxC (mm)
– electronic ballast, motive Square			
050510	KELPIE-S-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 55
050511	KELPIE-S-228-BAP-EP, 2x28W		1200 x 250 x 55
050512	KELPIE-S-254-DL-EP, 2x54W		1200 x 250 x 55
050513	KELPIE-S-254-BAP-EP, 2x54W		1200 x 250 x 55
050514	KELPIE-S-235-DL-EP, 2x35W		1500 x 250 x 55
050515	KELPIE-S-235-BAP-EP, 2x35W		1500 x 250 x 55
050516	KELPIE-S-249-DL-EP, 2x49W		1500 x 250 x 55
050517	KELPIE-S-249-BAP-EP, 2x49W		1500 x 250 x 55
050518	KELPIE-S-280-DL-EP, 2x80W		1500 x 250 x 55
050519	KELPIE-S-280-BAP-EP, 2x80W		1500 x 250 x 55

			AbxC (mm)
– electronic ballast, motive Rectangle			
050520	KELPIE-D/I-R-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 55
050521	KELPIE-D/I-R-228-BAP-EP, 2x28W		1200 x 250 x 55
050522	KELPIE-D/I-R-254-DL-EP, 2x54W		1200 x 250 x 55
050523	KELPIE-D/I-R-254-BAP-EP, 2x54W		1200 x 250 x 55
050524	KELPIE-D/I-R-235-DL-EP, 2x35W		1500 x 250 x 55
050525	KELPIE-D/I-R-235-BAP-EP, 2x35W		1500 x 250 x 55
050526	KELPIE-D/I-R-249-DL-EP, 2x49W		1500 x 250 x 55
050527	KELPIE-D/I-R-249-BAP-EP, 2x49W		1500 x 250 x 55
050528	KELPIE-D/I-R-280-DL-EP, 2x80W		1500 x 250 x 55
050529	KELPIE-D/I-R-280-BAP-EP, 2x80W		1500 x 250 x 55

			AbxC (mm)
– electronic ballast, motive Square			
050530	KELPIE-D/I-S-228-DL-EP, 2x28W	T16/G5	1200 x 250 x 55
050531	KELPIE-D/I-S-228-BAP-EP, 2x28W		1200 x 250 x 55
050532	KELPIE-D/I-S-254-DL-EP, 2x54W		1200 x 250 x 55
050533	KELPIE-D/I-S-254-BAP-EP, 2x54W		1200 x 250 x 55
050534	KELPIE-D/I-S-235-DL-EP, 2x35W		1500 x 250 x 55
050535	KELPIE-D/I-S-235-BAP-EP, 2x35W		1500 x 250 x 55
050536	KELPIE-D/I-S-249-DL-EP, 2x49W		1500 x 250 x 55
050537	KELPIE-D/I-S-249-BAP-EP, 2x49W		1500 x 250 x 55
050538	KELPIE-D/I-S-280-DL-EP, 2x80W		1500 x 250 x 55
050539	KELPIE-D/I-S-280-BAP-EP, 2x80W		1500 x 250 x 55

– special equipment			
051136	Tube suspender FALCON 2x/3x/4x, l= 600 mm (2 pcs)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l=2,5m		



FALCON-AR, FALCON-D/I-AR

IP 20



Application: direct lighting in offices, schools and commercial premises. FALCON-D/I-AR-direct-indirect interior lighting is suitable for lighting conference rooms, office buildings, offices and shops (ratio of radiation 70:30).

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: AR – longitudinal blades from high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet

Fastening: direct mounting on the ceiling lighted area or suspension via cable or tube hangers. Version D/I is suitable only for mounting via suspension.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

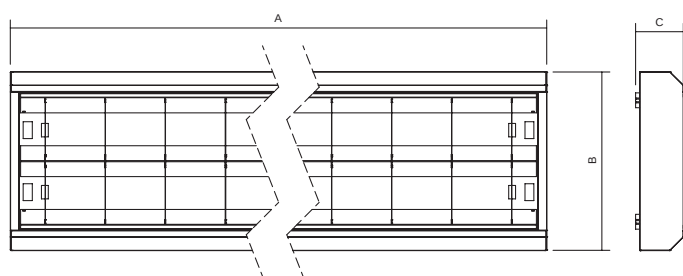
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

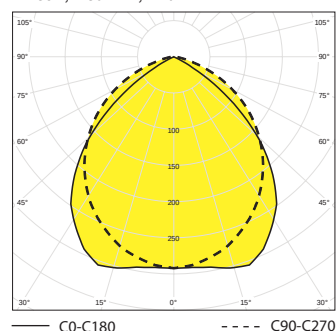
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

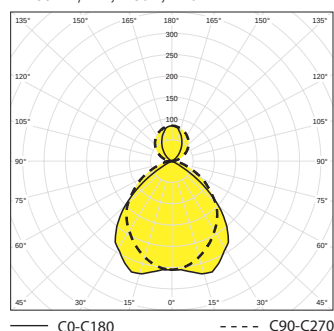
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FALCON, 2x36W-AR, IP20



FALCON-D/I-AR, 2x36W, IP20



			Abx C (mm)
– electronic ballast			
058156	FALCON-118-AR-EP, 1x18W	T26/G13	662 x 175 x 72
058157	FALCON-218-AR-EP, 2x18W		662 x 265 x 72
058158	FALCON-318-AR-EP, 3x18W		662 x 355 x 72
058159	FALCON-418-AR-EP, 4x18W		662 x 445 x 72
058160	FALCON-136-AR-EP, 1x36W		1262 x 175 x 72
058161	FALCON-236-AR-EP, 2x36W		1262 x 265 x 72
058162	FALCON-336-AR-EP, 3x36W		1262 x 355 x 72
058163	FALCON-436-AR-EP, 4x36W		1262 x 445 x 72
058164	FALCON-158-AR-EP, 1x58W		1562 x 175 x 72
058165	FALCON-258-AR-EP, 2x58W		1562 x 265 x 72
058166	FALCON-358-AR-EP, 3x58W		1562 x 355 x 72
058167	FALCON-458-AR-EP, 4x58W		1562 x 445 x 72

			Abx C (mm)
– electronic ballast			
050410	FALCON-D/I-118-AR-EP, 1x18W	T26/G13	662 x 175 x 65
050411	FALCON-D/I-218-AR-EP, 2x18W		662 x 265 x 65
050412	FALCON-D/I-136-AR-EP, 1x36W		1262 x 175 x 65
050413	FALCON-D/I-236-AR-EP, 2x36W		1262 x 265 x 65
050414	FALCON-D/I-158-AR-EP, 1x58W		1562 x 175 x 65
050415	FALCON-D/I-258-AR-EP, 2x58W		1562 x 265 x 65

– special equipment			
051136	Tube suspender FALCON 2x/3x/4x, l=600 mm (2 pcs)		
051140	Tube suspender FALCON 1x, l=600 mm, (2 pcs)		
120000	Cable suspender – Y, l=2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l=2,5 m		

FALCON-AR, FALCON-D/I-AR



FALCON-D/I-AR



FALCON-BAP, FALCON-D/I-BAP

IP 20



Application: direct lighting in offices, schools and commercial premises. FALCON-D/I-BAP- direct-indirect interior lighting is suitable for lighting conference rooms, office buildings, offices and shops (ratio of radiation 70:30).

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: BAP – parabolic louvre form high polished aluminium sheet.

Fastening: direct mounting on the ceiling lighted area or suspension via cable or tube hangers. Version D/I is suitable only for mounting via suspension.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

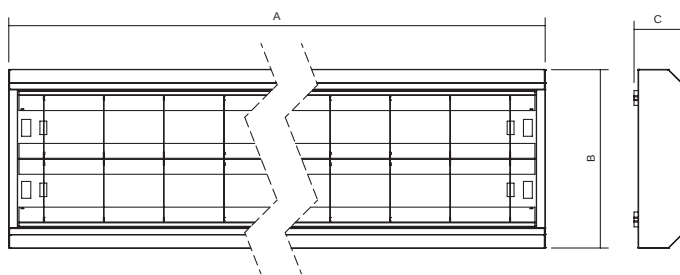
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

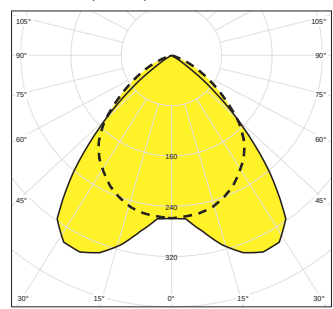
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

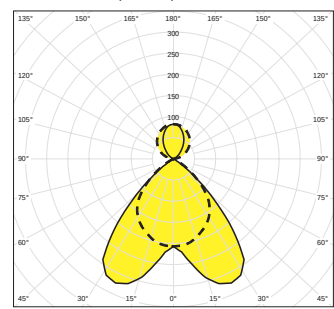
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FALCON-BAP, 2x36W, IP20



FALCON-D/I-BAP, 2x36W, IP20



			AxBxC (mm)
– electronic ballast			
058192	FALCON-118-BAP-EP, 1x18W	T26/G13	662 x 175 x 72
058193	FALCON-218-BAP-EP, 2x18W		662 x 265 x 72
058194	FALCON-318-BAP-EP, 3x18W		662 x 355 x 72
058195	FALCON-418-BAP-EP, 4x18W		662 x 445 x 72
058196	FALCON-136-BAP-EP, 1x36W		1262 x 175 x 72
058197	FALCON-236-BAP-EP, 2x36W		1262 x 265 x 72
058198	FALCON-336-BAP-EP, 3x36W		1262 x 355 x 72
058199	FALCON-436-BAP-EP, 4x36W		1262 x 445 x 72
058200	FALCON-158-BAP-EP, 1x58W		1562 x 175 x 72
058201	FALCON-258-BAP-EP, 2x58W		1562 x 265 x 72
058202	FALCON-358-BAP-EP, 3x58W		1562 x 355 x 72
058203	FALCON-458-BAP-EP, 4x58W		1562 x 445 x 72

			AxBxC (mm)
– electronic ballast			
050430	FALCON-D/I-118-BAP-EP, 1x18W	T26/G13	662 x 175 x 65
050431	FALCON-D/I-218-BAP-EP, 2x18W		662 x 265 x 65
050432	FALCON-D/I-136-BAP-EP, 1x36W		1262 x 175 x 65
050433	FALCON-D/I-236-BAP-EP, 2x36W		1262 x 265 x 65
050434	FALCON-D/I-158-BAP-EP, 1x58W		1562 x 175 x 65
050435	FALCON-D/I-258-BAP-EP, 2x58W		1562 x 265 x 65

– special equipment			
051136	Tube suspender FALCON 2x/3x/4x, l= 600 mm (2 pcs)		
051140	Tube suspender FALCON 1x, l= 600 mm, (2 pcs)		
120000	Cable suspender – Y, l= 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l=2,5 m		

FALCON-BAP, IP20



FALCON-D/I-BAP, IP20





FALCON-PX, FALCON-D/I-PX

IP 40, IP20



Application: direct lighting of hospitals, offices, schools as well as warehouses and Commercial premises. FALCON-D/I-PX-direct-indirect interior lighting is suitable for lighting, office buildings, offices and shops (ratio of radiation 70:30). PX cover allows easier maintenance of lightings. Version D/I has only IP20 protection.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

MP – optical microprism

Fastening: direct fastening on the ceiling lighted are, suspension is able or tube hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

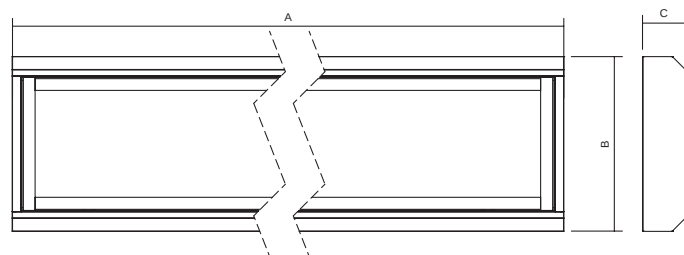
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

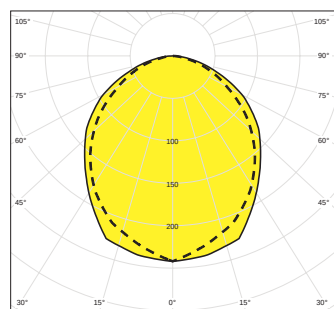
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

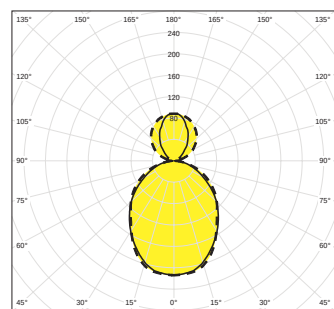
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FALCON-PX, 2x36W, IP40



FALCON-D/I-PX, 2x36W, IP20



			AbxC (mm)
– electronic ballast			
058204	FALCON-118-PX-EP, 1x18W	T26/G13	662 x 175 x 72
058205	FALCON-218-PX-EP, 2x18W		662 x 265 x 72
058206	FALCON-318-PX-EP, 3x18W		662 x 355 x 72
058207	FALCON-418-PX-EP, 4x18W		662 x 445 x 72
058208	FALCON-136-PX-EP, 1x36W		1262 x 175 x 72
058209	FALCON-236-PX-EP, 2x36W		1262 x 265 x 72
058210	FALCON-336-PX-EP, 3x36W		1262 x 355 x 72
058211	FALCON-436-PX-EP, 4x36W		1262 x 445 x 72
058212	FALCON-158-PX-EP, 1x58W		1562 x 175 x 72
058213	FALCON-258-PX-EP, 2x58W		1562 x 265 x 72
058214	FALCON-358-PX-EP, 3x58W		1562 x 355 x 72
058215	FALCON-458-PX-EP, 4x58W		1562 x 445 x 72

			AbxC (mm)
– electronic ballast			
050470	FALCON-D/I-118-PX-EP, 1x18W	T26/G13	662 x 175 x 65
050471	FALCON-D/I-218-PX-EP, 2x18W		662 x 265 x 65
050474	FALCON-D/I-136-PX-EP, 1x36W		1262 x 175 x 65
050475	FALCON-D/I-236-PX-EP, 2x36W		1262 x 265 x 65
050478	FALCON-D/I-158-PX-EP, 1x58W		1562 x 175 x 65
050479	FALCON-D/I-258-PX-EP, 2x58W		1562 x 265 x 65

– special equipment			
051136	Tube suspender FALCON 2x/3x/4x, l= 600 mm (2 pcs)		
051140	Tube suspender FALCON 1x, l= 600 mm, (2 pcs)		
120000	Cable suspender – Y, l= 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l=2,5 m		

FALCON-D/I-PX, IP20



FALCON-AS, FALCON-P(Z)-AS

IP 20



Application: direct lighting retail spaces and shelf lighting.

System of marking: FALCON-P – continous providing, FALCON-Z – ending providing

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Reflector: Asymmetric reflector made from high polished aluminium sheet.

Fastening: direct fastening on the ceiling lighted are, suspension ia able or tube hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

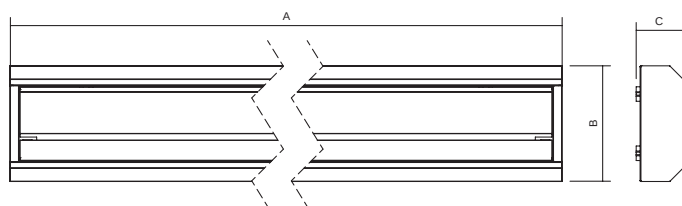
On request: EM – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

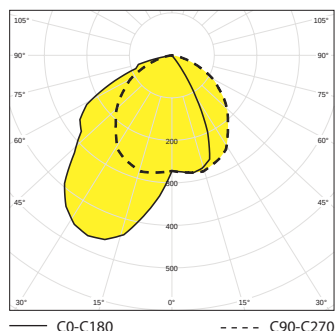
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finnishng

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FALCON-1x36-AS, IP20



			AsBxC (mm)
- electronic ballast T26			
058550	FALCON-AS-118-EP, 1x18W	T26/G13	662 x 175 x 72
058551	FALCON-AS-136-EP, 1x36W		1262 x 175 x 72
058552	FALCON-AS-158-EP, 1x58W		1562 x 175 x 72

- electronic ballast T16			
056000	FALCON-AS-128-EP, 1x28W	T16/G5	1262 x 175 x 72
056001	FALCON-AS-154-EP, 1x54W		1262 x 175 x 72
056002	FALCON-AS-135-EP, 1x35W		1562 x 175 x 72
056003	FALCON-AS-149-EP, 1x49W		1562 x 175 x 72
056004	FALCON-AS-180-EP, 1x80W		1562 x 175 x 72

			AsBxC (mm)
- through wired, electronic ballast T26			
050742	FALCON-P-AS-136-EP, 1x36W	T26/G13	1236 x 175 x 72
050743	FALCON-P-AS-158-EP, 1x58W		1536 x 175 x 72

- through wired, electronic ballast T16			
056010	FALCON-P-AS-128-EP, 1x28W	T16/G5	1236 x 175 x 72
056011	FALCON-P-AS-154-EP, 1x54W		1236 x 175 x 72
056012	FALCON-P-AS-135-EP, 1x35W		1536 x 175 x 72
056013	FALCON-P-AS-149-EP, 1x49W		1536 x 175 x 72
056014	FALCON-P-AS-180-EP, 1x80W		1536 x 175 x 72

			AsBxC (mm)
- ending providing, electronic ballast T26, left			
050747	FALCON-Z-AS-136-EP, 1x36W	T26/G13	1249 x 175 x 72
050748	FALCON-Z-AS-158-EP, 1x58W		1549 x 175 x 72

- ending providing, electronic ballast T16, left			
056020	FALCON-Z-AS-128-EP, 1x28W	T16/G5	1249 x 175 x 72
056021	FALCON-Z-AS-154-EP, 1x54W		1249 x 175 x 72
056022	FALCON-Z-AS-135-EP, 1x35W		1549 x 175 x 72
056023	FALCON-Z-AS-149-EP, 1x49W		1549 x 175 x 72
056024	FALCON-Z-AS-180-EP, 1x80W		1549 x 175 x 72

			AsBxC (mm)
- ending providing, electronic ballast T26, right			
050752	FALCON-Z-AS-136-EP, 1x36W	T26/G13	1249 x 175 x 72
050753	FALCON-Z-AS-158-EP, 1x58W		1549 x 175 x 72

- ending providing, electronic ballast T16, right			
056015	FALCON-Z-AS-128-EP, 1x28W	T16/G5	1249 x 175 x 72
056016	FALCON-Z-AS-154-EP, 1x54W		1249 x 175 x 72
056017	FALCON-Z-AS-135-EP, 1x35W		1549 x 175 x 72
056018	FALCON-Z-AS-149-EP, 1x49W		1549 x 175 x 72
056019	FALCON-Z-AS-180-EP, 1x80W		1549 x 175 x 72

- special equipment			
051140	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)		
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051155	Ceiling cap with transparent cable 3x1,5 m ² , l = 2,5 m		



BRIARD

IP 20



Application: direct lighting of assembly and production halls, department stores and corridors with requirements for higher level of protection degree (IP). BRIARD light fixtures can be combined into continuous lines using profile connectors.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

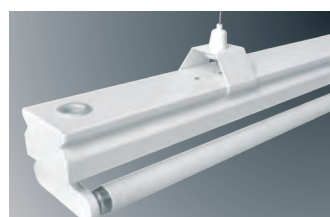
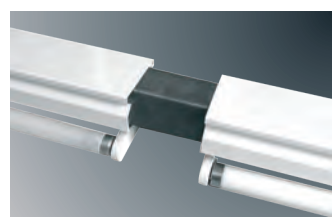
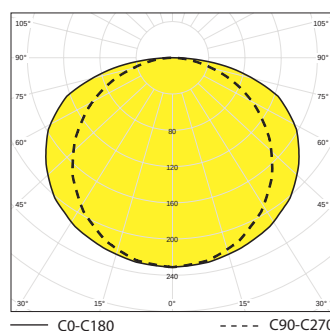
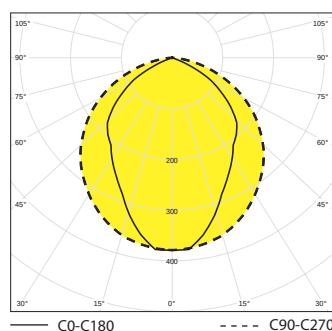
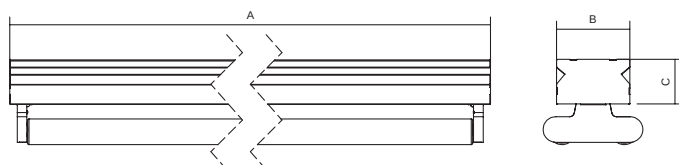
Body: white painted metal sheet (RAL 9003)

Additional reflectors: WR – white painted metal sheet
AR – high polished aluminium sheet

Fastening: direct mounting on the ceiling lighted are or suspension via cable or tube hangers and suspension brackets.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: EM – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (DSI, DALI)
RAL – another colour finishing
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



				AbiC (mm)
– electronic ballast – single				
050562	BRIARD-136-EP, 1x36W	T26/G13		1236 x 74 x 45
050564	BRIARD-236-EP, 2x36W			1236 x 74 x 45
050563	BRIARD-158-EP, 1x58W			1536 x 74 x 45
050565	BRIARD-258-EP, 2x58W			1536 x 74 x 45
050664	BRIARD-128-EP, 1x28W	T16/G5		1236 x 74 x 45
050684	BRIARD-228-EP, 2x28W			1236 x 74 x 45
050567	BRIARD-154-EP, 1x54W			1236 x 74 x 45
050568	BRIARD-254-EP, 2x54W			1236 x 74 x 45
050663	BRIARD-135-EP, 1x35W	T16/G5		1536 x 74 x 45
050683	BRIARD-235-EP, 2x35W			1536 x 74 x 45
050662	BRIARD-149-EP, 1x49W			1536 x 74 x 45
050659	BRIARD-249-EP, 2x49W			1536 x 74 x 45
050566	BRIARD-180-EP, 1x80W			1536 x 74 x 45
050569	BRIARD-280-EP, 2x80W			1536 x 74 x 45

				AbiC (mm)
– electronic ballast – through-wired				
050570	BRIARD-P-136-EP, 1x36W	T26/G13		1236 x 74 x 45
050572	BRIARD-P-236-EP, 2x36W			1236 x 74 x 45
050571	BRIARD-P-158-EP, 1x58W			1536 x 74 x 45
050573	BRIARD-P-258-EP, 2x58W			1536 x 74 x 45
050677	BRIARD-P-128-EP, 1x28W	T16/G5		1236 x 74 x 45
050686	BRIARD-P-228-EP, 2x28W			1236 x 74 x 45
050575	BRIARD-P-154-EP, 1x54W			1236 x 74 x 45
050576	BRIARD-P-254-EP, 2x54W			1236 x 74 x 45
050666	BRIARD-P-135-EP, 1x35W	T16/G5		1536 x 74 x 45
050685	BRIARD-P-235-EP, 2x35W			1536 x 74 x 45
050665	BRIARD-P-149-EP, 1x49W			1536 x 74 x 45
050660	BRIARD-P-249-EP, 2x49W			1536 x 74 x 45
050574	BRIARD-P-180-EP, 1x80W			1536 x 74 x 45
050577	BRIARD-P-280-EP, 2x80W			1536 x 74 x 45

				AbiC (mm)
– electronic ballast – beginning-ending				
050578	BRIARD-Z-136-EP, 1x36W	T26/G13		1236 x 74 x 45
050580	BRIARD-Z-236-EP, 2x36W			1236 x 74 x 45
050579	BRIARD-Z-158-EP, 1x58W			1536 x 74 x 45
050581	BRIARD-Z-258-EP, 2x58W			1536 x 74 x 45
050670	BRIARD-Z-128-EP, 1x28W	T16/G5		1236 x 74 x 45
050688	BRIARD-Z-228-EP, 2x28W			1236 x 74 x 45
050583	BRIARD-Z-154-EP, 1x54W			1236 x 74 x 45
050584	BRIARD-Z-254-EP, 2x54W			1236 x 74 x 45
050669	BRIARD-Z-135-EP, 1x35W	T16/G5		1536 x 74 x 45
050687	BRIARD-Z-235-EP, 2x35W			1536 x 74 x 45
050668	BRIARD-Z-149-EP, 1x49W			1536 x 74 x 45
050661	BRIARD-Z-249-EP, 2x49W			1536 x 74 x 45
050582	BRIARD-Z-180-EP, 1x80W			1536 x 74 x 45
050585	BRIARD-Z-280-EP, 2x80W			1536 x 74 x 45

– special equipment				
050590	Bracket BRIARD with cable suspender (1 pc)			
001650	Bracket BRIARD (1 pc)			
001651	Reflector WR – white 136/236			
001652	Reflector AR – polished 136/236			
001653	Reflector WR – white 158/258			
001654	Reflector AR – polished 158/258			
001655	Reflector AR – deep-radiant 136/236			
001656	Reflector AR – deep-radiant 158/258			
090582	Profile connector BRIARD-P / BRIARD-Z			



PULI

IP 40



Application: interior lighting corridors, toilets or as additional lighting.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC

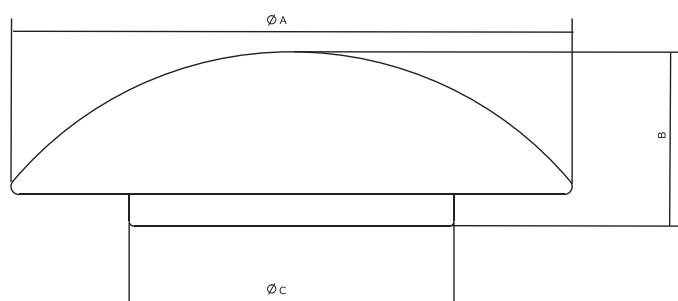
Body: white painted metal sheet (RAL 9003)

Cover: frosted opal glass, five dimensional sizes

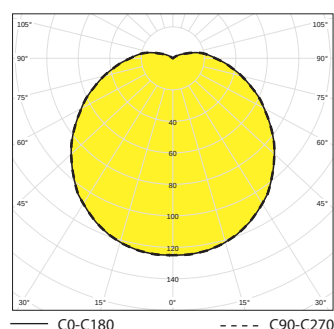
Fastening: direct mounting on the ceiling or wal, three mounting points

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



PULI5, 1x26W/TC-DEL

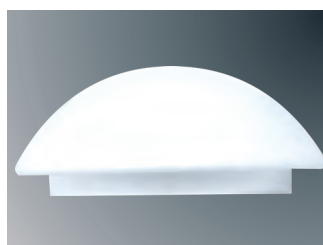


- incandescent version					
140300	PULI1, max 1x57W**/75W, E27	-			205 x 110 x 155
140301	PULI2, max 1x57W**/75W, E27	12/16W			260 x 110 x 205
140302	PULI3, max 1x57W**/75W, E27	12/16W			305 x 110 x 205
140303	PULI4, max 1x57W**/75W, E27	12/16/18W	43/E27		365 x 110 x 245
140304	PULI5, max 1x57W**/75W, E27	12/16/18W			415 x 110 x 245
140308	PULI4-226, 2x26W*, E27				365 x 110 x 245
140305	PULI5-226, 2x26W*, E27				415 x 110 x 245
* Valid for compact lamps OSRAM DULUX SUPERSTAR/EL					
** Valid for lamps HALOGEN ECO PRO CLASIC AA					

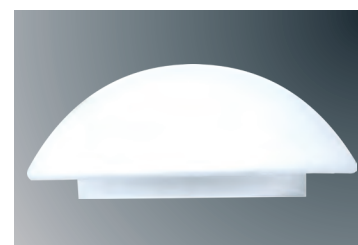
- electronic ballast					
050292	PULI2-113-EP, 1x13W		TC-DEL/G24q1		205 x 110 x 155
050293	PULI3-113-EP, 1x13W		TC-DEL/G24q1		260 x 110 x 205
050294	PULI3-118-EP, 1x18W		TC-DEL/G24q2		260 x 110 x 205
050295	PULI4-213-EP, 2x13W		TC-DEL/G24q1		305 x 110 x 205
050296	PULI4-218-EP, 2x18W		TC-DEL/G24q2		305 x 110 x 205
050280	PULI4-126-EP, 1x26W		TC-DEL/G24q3		305 x 110 x 205
050297	PULI5-213-EP, 2x13W		TC-DEL/G24d1		365 x 110 x 245
050298	PULI5-218-EP, 2x18W		TC-DEL/G24q2		365 x 110 x 245
050299	PULI5-126-EP, 1x26W		TC-DEL/G24q3		365 x 110 x 245



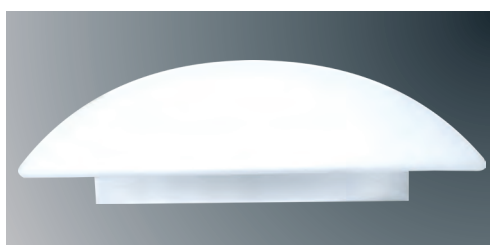
PULI1



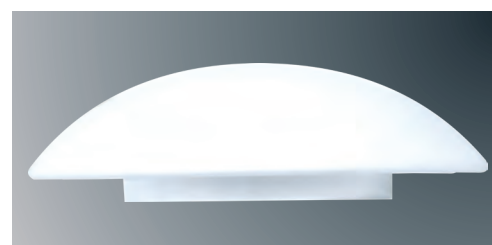
PULI2



PULI3



PULI4



PULI5



CORSO-LED

IP 65



Application: interior and exterior lighting with requirements for higher level of protection degree (IP).

Ballast: EP – electronic ballast 100-240 V/50-60 Hz

Body: plastic material PC (polycarbonate)

Cover: PC (polycarbonate)

Fastening: direct fastening on the ceiling or wall lighted area with two mounting points

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B50/50 000 h/30 °C

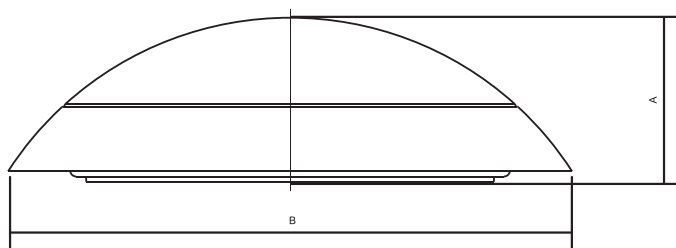
On request: DIM – dimmable electronic ballast (DSI, DALI)

3000 K, 5000 K, 6000 K – colour temperature

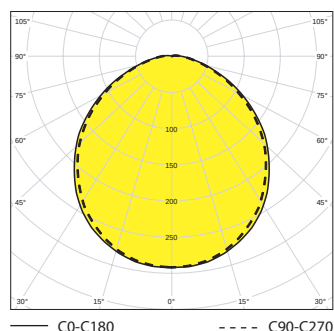
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T _a	(lm)*	(W)**	AxB (mm)
– electronic ballast - 350 mA					
050253	CORSO-LED-1800-3K	3000 K	1060	12	94 x 327
050252	CORSO-LED-1850-4K	4000 K	1130	13	94 x 327

(lm)* – luminous flux, (W)** – input power



CORSO-LED-4K, IP65





CORSO

IP 65



Application: interior and exterior lighting with requirements for higher level of protection degree (IP).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC

Body: plastic material polycarbonate (PC)

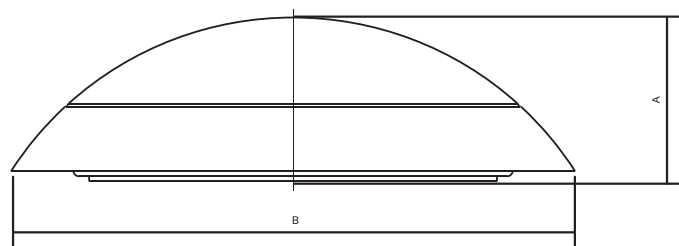
Cover: Version 1x46W/E27 – material PC (polycarbonate), other providings – PS material (polystyrol)

Reflector: only for version 1x46W/E27, white painted sheet (0,6 mm thick)

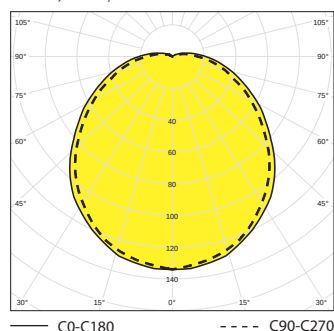
Fastening: direct fastening on the ceiling or wall lighted area with two mounting points

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: **EM** – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



CORSO, 1x22W/T29-R



				AxB (mm)
- incandescent version				
050230	CORSO - PC max 1x46W*/60W, E27	E27		94 x 327
- electronic ballast				
050243	CORSO-118- EP, 1x18 W	TC-DEL/G24q		94 x 327
050238	CORSO-124- EP, 1x24 W	TC-F/2G10		94 x 327
050239	CORSO-122- EP, 1x22 W	T16-R/2GX13		94 x 327
050246	CORSO-126- EP, 1x26 W	TC-DEL/G24q3		94 x 327
- insulation class II				
050249	CORSO - PC max 1x46W*/60W, E27	E27		94 x 327

Each version could be produced with protection degree IP20
 For use in heavy duty we recommend to use CORSO-PC type (with optical cover from polycarbonate)
 *Valid for lamps OSRAM HALOGEN ECO PRO CLASSIC A



T29-R/G10q



TC-F/2G10



TC-D/G24d1



TC-DEL/G24q



TC-DD/GR10q



43/E27



BÍGL-S, BÍGL-D

IP 43, IP 20



Application: cellars, bathrooms, toilets and kitchen units or local lighting desktop.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

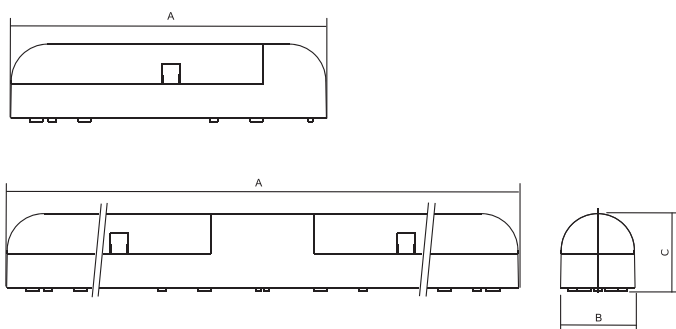
Body, cover and beam: plasty materiál PC (polycarbonate)

Fastening: only for wall mounting with four or eight mounting points

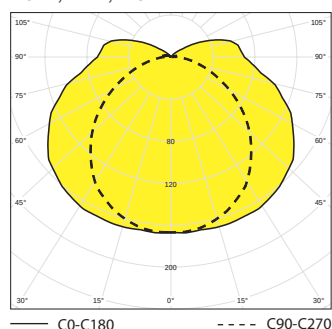
Connection: screwless two-pole terminal block, max. diameter of wires 2,5 mm²

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AvšC (mm)
– electronic ballast			
053201	BÍGL-S-111-EP, 1 x 11W	TC-SEL/2G7	275 x 64 x 65
053205	BÍGL-S-111-EP – VYP, 1 x 11W		275 x 64 x 65
053211	BÍGL-D-211-EP, 2 x 11W		530 x 64 x 65
053214	BÍGL-D-211-EP-VYP, 2 x 11W		530 x 64 x 65



BÍGL-D, 2x11W, IP43



MAWERICK3-LED

IP 40

Application: offices, schools, and commercial premises.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC

Body: AL ELOX – anodized aluminium profile

Reflector: WR – white painted steel sheet
AR – High polished aluminium steel sheet

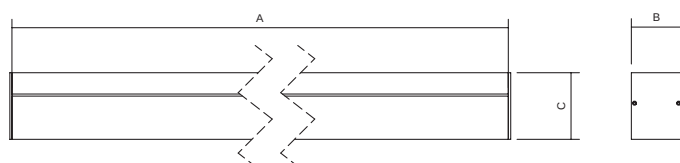
Cover: OP – optical opal cover PMMA

Fastening system: installation into false ceiling or plasterboards

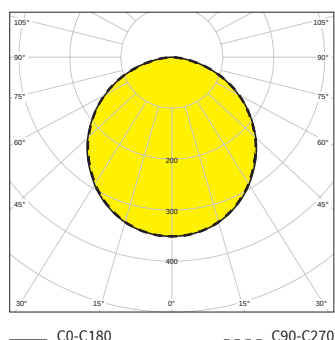
Connection: screwless terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency mode í (1h, 3h)
MULTI – maintained emergency mode (1h, 3h)
3000 K, 5000 K, 6000 K – colour temperature
DIM – dimmable electronic ballast (DSI, DALI)
RAL – another colour finish
1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



MAWERICK3-LED-4K, IP40



		Tc/K	(lm)*	(W)**	ArBxC (mm)
051276	MAWERICK3-LED-2500-3K	3000	1413	18	570x59x79
051277	MAWERICK3-LED-2600-4K	4000	1469	18	570x59x79
051278	MAWERICK3-LED-3750-3K	3000	2119	26	850x59x79
051279	MAWERICK3-LED-3900-4K	4000	2204	26	850x59x79
051280	MAWERICK3-LED-5000-3K	3000	2825	35	1130x59x79
051270	MAWERICK3-LED-5250-4K	4000	2966	35	1130x59x79
051281	MAWERICK3-LED-6250-3K	3000	3534	44	1410x59x79
051271	MAWERICK3-LED-6550-4K	4000	3701	44	1410x59x79
051282	MAWERICK3-LED-7500-3K	3000	4238	53	1690x59x79
051283	MAWERICK3-LED-7850-4K	4000	4435	53	1690x59x79
051284	MAWERICK3-LED-8700-3K	3000	4944	62	1970x59x79
051272	MAWERICK3-LED-9100-4K	4000	5170	62	1970x59x79

		Tc/K	(lm)*	(W)**	ArBxC (mm)
051285	MAWERICK3-LED-2800-3K	3000	1598	20	570x59x79
051286	MAWERICK3-LED-2950-4K	4000	1675	20	570x59x79
051287	MAWERICK3-LED-4250-3K	3000	2398	30	850x59x79
051288	MAWERICK3-LED-4450-4K	4000	2512	30	850x59x79
051289	MAWERICK3-LED-5650-3K	3000	3197	40	1130x59x79
051273	MAWERICK3-LED-5900-4K	4000	3349	40	1130x59x79
051290	MAWERICK3-LED-7050-3K	3000	3997	50	1410x59x79
051274	MAWERICK3-LED-7400-4K	4000	4187	50	1410x59x79
051291	MAWERICK3-LED-8450-3K	3000	4795	61	1690x59x79
051292	MAWERICK3-LED-8900-4K	4000	5024	61	1690x59x79
051293	MAWERICK3-LED-9900-3K	3000	5596	71	1970x59x79
051275	MAWERICK3-LED-10350-4K	4000	5861	71	1970x59x79

- special equipment

051205 MAWERICK3 bracket SKD accessories included (1 pc)

(lm)* - luminous flux, (W)** - input power

MAWERICK2-LED

IP 40



Application: direct lighting in schools, offices and Commercial premises.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: AL ELOX – anodized aluminium profile

Reflector: WR – white painted steel sheet

Cover: OP – optical opal cover PMMA

Fastening: installation into false ceiling or plasterboards

Connection: screwless terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

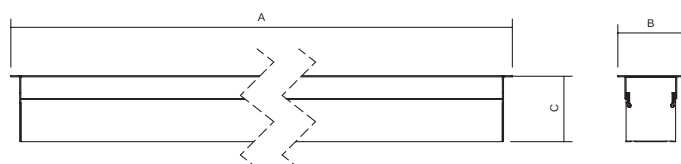
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



		T ₀	(lm)*	(W)**	AxB _C (mm)	AxB _D (mm)
051330	MAWERICK2-LED-2500-3K	3000	1413	18	585x79x79	575x69
051331	MAWERICK2-LED-2600-4K	4000	1469	18	585x79x79	575x69
051332	MAWERICK2-LED-3750-3K	3000	2119	26	865x79x79	855x69
051333	MAWERICK2-LED-3900-4K	4000	2204	26	865x79x79	855x69
051334	MAWERICK2-LED-5000-3K	3000	2825	35	1145x79x79	1125x69
051335	MAWERICK2-LED-5250-4K	4000	2966	35	1145x79x79	1125x69
051336	MAWERICK2-LED-6250-3K	3000	3534	44	1425x79x79	1415x69
051337	MAWERICK2-LED-6550-4K	4000	3701	44	1425x79x79	1415x69
051338	MAWERICK2-LED-7500-3K	3000	4238	53	1705x79x79	1695x69
051339	MAWERICK2-LED-7850-4K	4000	4435	53	1705x79x79	1695x69
051340	MAWERICK2-LED-8700-3K	3000	4944	62	1985x79x79	1975x69
051341	MAWERICK2-LED-9100-4K	4000	5170	62	1985x79x79	1975x69

		T ₀	(lm)*	(W)**	AxB _C (mm)	AxB _D (mm)
051342	MAWERICK2-LED-2800-3K	3000	1598	20	585x79x79	575x69
051343	MAWERICK2-LED-2950-4K	4000	1675	20	585x79x79	575x69
051344	MAWERICK2-LED-4250-3K	3000	2398	30	865x79x79	855x69
051345	MAWERICK2-LED-4450-4K	4000	2512	30	865x79x79	855x69
051346	MAWERICK2-LED-5650-3K	3000	3197	40	1145x79x79	1125x69
051347	MAWERICK2-LED-5900-4K	4000	3349	40	1145x79x79	1125x69
051348	MAWERICK2-LED-7050-3K	3000	3997	50	1425x79x79	1415x69
051349	MAWERICK2-LED-7400-4K	4000	4187	50	1425x79x79	1415x69
051350	MAWERICK2-LED-8450-3K	3000	4795	61	1705x79x79	1695x69
051351	MAWERICK2-LED-8900-4K	4000	5024	61	1705x79x79	1695x69
051352	MAWERICK2-LED-9900-3K	3000	5596	71	1985x79x79	1975x69
051353	MAWERICK2-LED-10350-4K	4000	5861	71	1985x79x79	1975x69

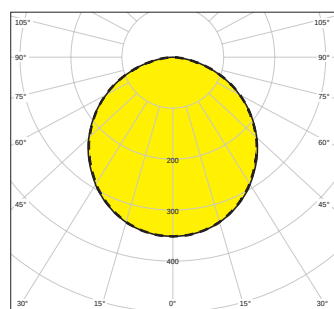
- special equipment

051203 MAWERICK2 bracket accessories included (1 pc)

(lm)* - luminous flux, (W)** - input power

* dimension of mounting hole

MAWERICK2-LED-4K, IP40



— C0-C180 - - - C90-C270

MAWERICK2

IP 40



Application: direct lighting in schools, offices and Commercial premises.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: AL ELOX – anodized aluminium profile

Reflector: WR – white painted steel sheet

Cover: OP – optical opal cover PMMA

Fastening: installation into false ceiling or plasterboards

Connection: screwless terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

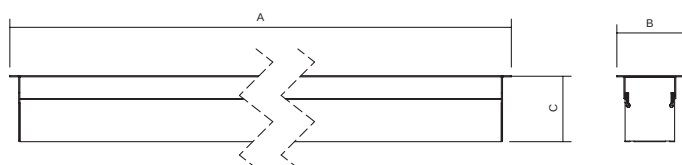
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



			ArBc (mm)	ArB* (mm)
051600	MAWERICK2-114-EP, 1x14W	T16/G5	590x79x79	580x69
051601	MAWERICK2-124-EP, 1x24W		590x79x79	580x69
051602	MAWERICK2-121-EP, 1x21W		890x79x79	880x69
051603	MAWERICK2-139-EP, 1x39W		890x79x79	880x69
051604	MAWERICK2-128-EP, 1x28W		1190x79x79	1180x69
051605	MAWERICK2-154-EP, 1x54W		1190x79x79	1180x69
051606	MAWERICK2-135-EP, 1x35W		1490x79x79	1480x69
051607	MAWERICK2-149-EP, 1x49W		1490x79x79	1480x69
051608	MAWERICK2-180-EP, 1x80W		1490x79x79	1480x69

			ArBc (mm)	ArB* (mm)
051610	MAWERICK2-Z-114-EP, 1x14W	T16/G5	535x79x79	530x69
051611	MAWERICK2-Z-124-EP, 1x24W		535x79x79	530x69
051612	MAWERICK2-Z-121-EP, 1x21W		835x79x79	830x69
051613	MAWERICK2-Z-139-EP, 1x39W		835x79x79	830x69
051614	MAWERICK2-Z-128-EP, 1x28W		1135x79x79	1130x69
051615	MAWERICK2-Z-154-EP, 1x54W		1135x79x79	1130x69
051616	MAWERICK2-Z-135-EP, 1x35W		1435x79x79	1430x69
051617	MAWERICK2-Z-149-EP, 1x49W		1435x79x79	1430x69
051618	MAWERICK2-Z-180-EP, 1x80W		1435x79x79	1430x69

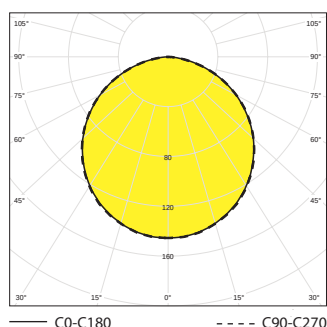
			ArBc (mm)	ArB* (mm)
051620	MAWERICK2-P-114-EP, 1x14W	T16/G5	480x79x79	480x69
051201	MAWERICK2-P-124-EP, 1x24W		480x79x79	480x69
051622	MAWERICK2-P-121-EP, 1x21W		780x79x79	780x69
051623	MAWERICK2-P-139-EP, 1x39W		780x79x79	780x69
051624	MAWERICK2-P-128-EP, 1x28W		1080x79x79	1080x69
051625	MAWERICK2-P-154-EP, 1x54W		1080x79x79	1080x69
051626	MAWERICK2-P-135-EP, 1x35W		1380x79x79	1380x69
051627	MAWERICK2-P-149-EP, 1x49W		1380x79x79	1380x69
051628	MAWERICK2-P-180-EP, 1x80W		1380x79x79	1380x69

- special equipment

051203 MAWERICK2 bracket accessories included (1 pc)

* dimension of mounting hole

MAWERICK2, 1x21 W, IP40





BALOT-LED

IP 20 / IP 40



Application: direct lighting in offices, schools, Commercial premises and areas with higher maintenance requirements.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: OP – optical opal plexiglass
SP – optical satin microprism cover

Fastening: mounting into M600 or M625 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm.

Connection: screwless terminal block for outside easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (DSI, DALI)
RAL – another colour finish
3000 K, 5000 K, 6000 K – colour temperature
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
ISODOM – 3-pole terminal block for easier mounting

Marking: BALOT-LED – modul M600, BALOT2-LED – modul M625, BALOT3-LED – plasterboard

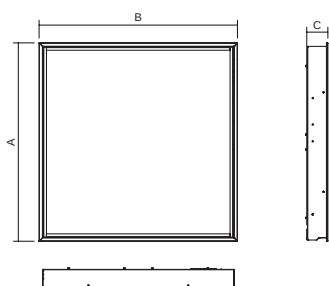
1		T _{ca}	(lm)*	(W)**	A _{dB} (mm)
- module 600					
050812	BALOT-SQ-LED-OP-5100-4K	4000	4175	34	597 x 597 x 64
050801	BALOT-SQ-LED-OP-6100-4K	4000	4935	42	597 x 597 x 64
050803	BALOT-SQ-LED-OP-7100-4K	4000	5688	50	597 x 597 x 64
050813	BALOT-LED-OP-5100-4K	4000	4175	34	1197 x 297 x 64
050805	BALOT-LED-OP-6100-4K	4000	4935	42	1197 x 297 x 64
050807	BALOT-LED-OP-7100-4K	4000	5688	50	1197 x 297 x 64
050809	BALOT-LED-OP-7600-4K	4000	6165	52	1495 x 297 x 64
050811	BALOT-LED-OP-8850-4K	4000	7110	62	1495 x 297 x 64

1		T _{ca}	(lm)*	(W)**	A _{dB} (mm)
- module 625					
050832	BALOT2-SQ-LED-OP-5100-4K	4000	4175	34	620 x 620 x 64
050821	BALOT2-SQ-LED-OP-6100-4K	4000	4935	42	620 x 620 x 64
050823	BALOT2-SQ-LED-OP-7100-4K	4000	5688	50	620 x 620 x 64
050833	BALOT2-LED-OP-5100-4K	4000	4175	34	1247 x 307 x 64
050825	BALOT2-LED-OP-6100-4K	4000	4935	42	1247 x 307 x 64
050827	BALOT2-LED-OP-7100-4K	4000	5688	50	1247 x 307 x 64
050829	BALOT2-LED-OP-7600-4K	4000	6165	52	1546 x 307 x 64
050831	BALOT2-LED-OP-8850-4K	4000	7110	62	1546 x 307 x 64

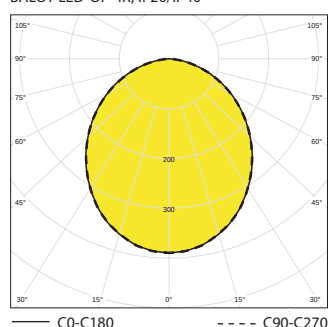
1		T _{ca}	(lm)*	(W)**	A _{dB} (mm)	A _{dB} (mm)
- plasterboard						
050852	BALOT3-SQ-LED-OP-5100-4K	4000	4175	34	602 x 602 x 64	585 x 585
050841	BALOT3-SQ-LED-OP-6100-4K	4000	4935	42	602 x 602 x 64	585 x 585
050843	BALOT3-SQ-LED-OP-7100-4K	4000	5688	50	602 x 602 x 64	585 x 585
050853	BALOT3-LED-OP-5100-4K	4000	4175	34	1200 x 300 x 64	1185 x 285
050845	BALOT3-LED-OP-6100-4K	4000	4935	42	1200 x 300 x 64	1185 x 285
050847	BALOT3-LED-OP-7100-4K	4000	5688	50	1200 x 300 x 64	1185 x 285
050849	BALOT3-LED-OP-7600-4K	4000	6165	52	1500 x 300 x 64	1485 x 285
050851	BALOT3-LED-OP-8850-4K	4000	7110	62	1500 x 300 x 64	1485 x 285

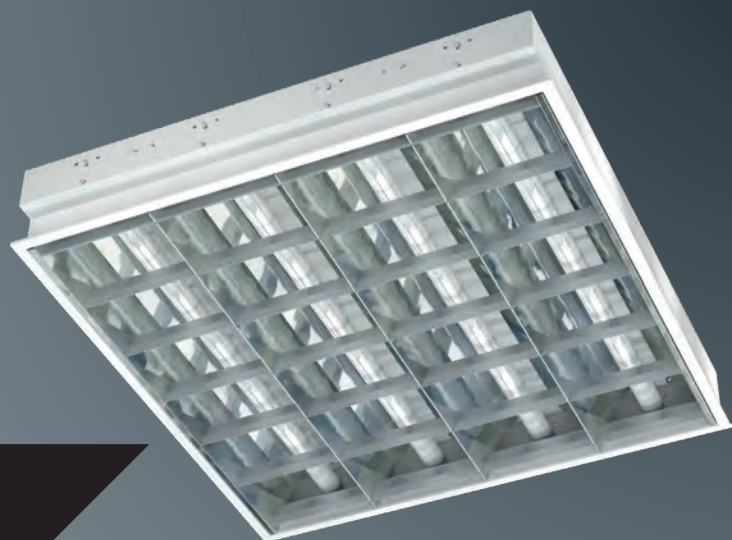
- special equipment					
051209	set of brackets SDK BALOT3-LED				
051210	set of brackets SDK BALOT3-SQ-LED				

(lm)* - luminous flux, (W)** - input power



BALOT-LED-OP-4K, IP20/IP40





BALOT-AR, BALOT2/3-AR

IP 20



Application: direct lighting in offices, schools and commercial premises and corridors.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: AR – longitudinal blades from high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet

Fastening: BALOT – mounting into M600 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm. BALOT2/3 – mounting into M625 panel false ceilings with visible holding racks and in plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

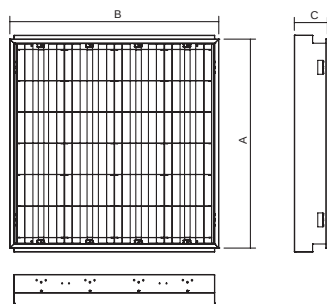
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

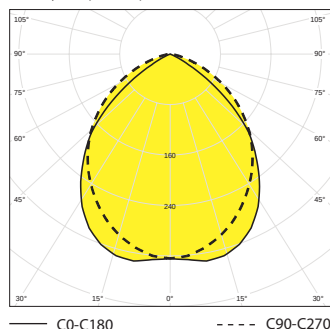
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

ISODOM – 3-pole terminal block for easier mounting



BALOT/3-AR, 4x18W, IP20



			ArBc (mm)
– electronic ballast, module 600 x 600			
058012	BALOT-118-AR-EP, 1x18W	T26/G13	595 x 182 x 108
058013	BALOT-218-AR-EP, 2x18W		595 x 295 x 94
058014	BALOT-318-AR-EP, 3x18W		595 x 595 x 94
058015	BALOT-418-AR-EP, 4x18W		595 x 595 x 94
058016	BALOT-136-AR-EP, 1x36W		1195 x 182 x 108
058017	BALOT-236-AR-EP, 2x36W		1195 x 295 x 94
058018	BALOT-336-AR-EP, 3x36W		1195 x 595 x 94
058019	BALOT-436-AR-EP, 4x36W		1195 x 595 x 94
058020	BALOT-158-AR-EP, 1x58W		1495 x 182 x 108
058021	BALOT-258-AR-EP, 2x58W		1495 x 295 x 94
058022	BALOT-358-AR-EP, 3x58W		1495 x 595 x 94
058023	BALOT-458-AR-EP, 4x58W		1495 x 595 x 94

			ArBc (mm)	ArB* (mm)
– electronic ballast, module 625 x 625				
058084	BALOT2/3-118-AR-EP, 1x18W	T26/G13	620 x 188 x 94	605 x 170
058085	BALOT2/3-218-AR-EP, 2x18W		620 x 307 x 94	605 x 295
058086	BALOT2/3-318-AR-EP, 3x18W		620 x 620 x 94	605 x 605
058087	BALOT2/3-418-AR-EP, 4x18W		620 x 620 x 94	605 x 605
058088	BALOT2/3-136-AR-EP, 1x36W		1247 x 188 x 94	1230 x 170
058089	BALOT2/3-236-AR-EP, 2x36W		1247 x 307 x 94	1230 x 295
058090	BALOT2/3-336-AR-EP, 3x36W		1247 x 619 x 94	1230 x 605
058091	BALOT2/3-436-AR-EP, 4x36W		1247 x 619 x 94	1230 x 605
058092	BALOT2/3-158-AR-EP, 1x58W		1546 x 188 x 94	1530 x 170
058093	BALOT2/3-258-AR-EP, 2x58W		1546 x 307 x 94	1530 x 295
058094	BALOT2/3-358-AR-EP, 3x58W		1546 x 620 x 94	1530 x 605
058095	BALOT2/3-458-AR-EP, 4x58W		1546 x 620 x 94	1530 x 605

On request finishing with WR louvre (longitudinal and transverse blades from white painted sheet)
* dimensions of mounting hole for BALOT – AR, BALOT2 – AR luminaires



BALOT-BAP, BALOT2/3-BAP

IP 20



Application: direct lighting in offices, schools, corridors and commercial premises.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet.

Fastening: BALOT – mounting into M600 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm. BALOT2/3 – mounting into M625 panel false ceilings with visible holding racks and in plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

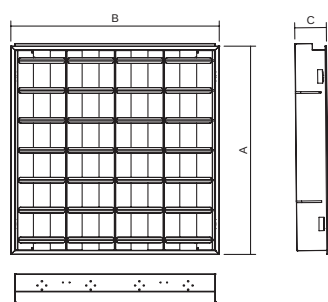
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

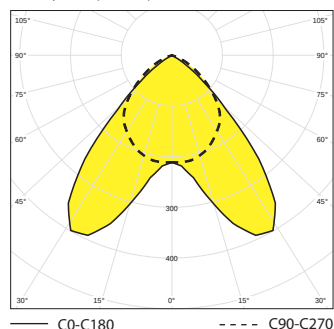
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

ISODOM – 3-pole terminal block for easier mounting



BALOT/3-BAP, 4x18W, IP20



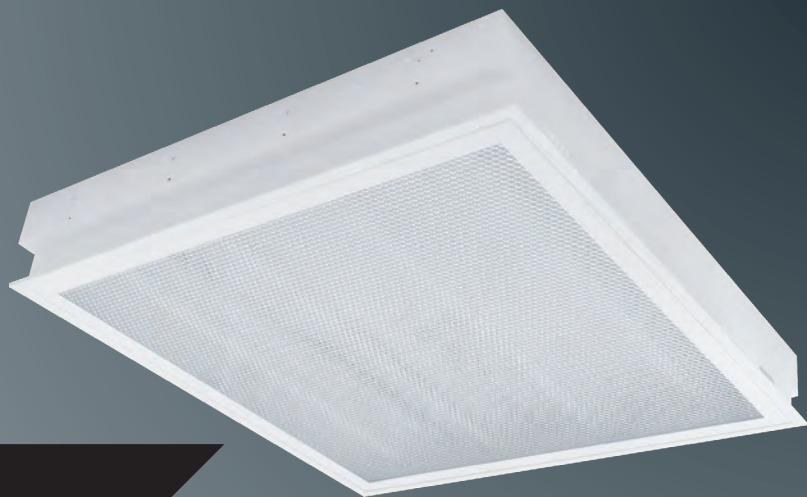
— CO-C180 - - - - C90-C270

			AxB (mm)
– electronic ballast, module 600 x 600			
058012	BALOT-118-BAP-EP, 1x18W	T26/G13	595 x 182 x 94
058013	BALOT-218-BAP-EP, 2x18W		595 x 295 x 94
058014	BALOT-318-BAP-EP, 3x18W		595 x 595 x 94
058015	BALOT-418-BAP-EP, 4x18W		595 x 595 x 94
058016	BALOT-136-BAP-EP, 1x36W		1195 x 182 x 94
058017	BALOT-236-BAP-EP, 2x36W		1195 x 295 x 94
058018	BALOT-336-BAP-EP, 3x36W		1195 x 595 x 94
058019	BALOT-436-BAP-EP, 4x36W		1195 x 595 x 94
058020	BALOT-158-BAP-EP, 1x58W		1495 x 182 x 94
058021	BALOT-258-BAP-EP, 2x58W		1495 x 295 x 94
058022	BALOT-358-BAP-EP, 3x58W		1495 x 595 x 94
058023	BALOT-458-BAP-EP, 4x58W		1495 x 595 x 94

			AxB (mm)	AxB* (mm)
– electronic ballast, module 625 x 625				
058084	BALOT2/3-118-BAP-EP, 1x18W	T26/G13	620 x 188 x 94	605 x 170
058085	BALOT2/3-218-BAP-EP, 2x18W		620 x 307 x 94	605 x 295
058086	BALOT2/3-318-BAP-EP, 3x18W		620 x 620 x 94	605 x 605
058087	BALOT2/3-418-BAP-EP, 4x18W		620 x 620 x 94	605 x 605
058088	BALOT2/3-136-BAP-EP, 1x36W		1247 x 188 x 94	1230 x 170
058089	BALOT2/3-236-BAP-EP, 2x36W		1247 x 307 x 94	1230 x 295
058090	BALOT2/3-336-BAP-EP, 3x36W		1247 x 619 x 94	1230 x 605
058091	BALOT2/3-436-BAP-EP, 4x36W		1247 x 619 x 94	1230 x 605
058092	BALOT2/3-158-BAP-EP, 1x58W		1546 x 188 x 94	1530 x 170
058093	BALOT2/3-258-BAP-EP, 2x58W		1546 x 307 x 94	1530 x 295
058094	BALOT2/3-358-BAP-EP, 3x58W		1546 x 620 x 94	1530 x 605
058095	BALOT2/3-458-BAP-EP, 4x58W		1546 x 620 x 94	1530 x 605

On request finishing with WR louvre (longitudinal and transverse blades from white painted sheet)

* dimensions of mounting hole for BALOT – BAP, BALOT2 – BAP



BALOT-PX, BALOT2/3-PX

IP 20



Application: offices, commercial premises, corridors and areas with higher maintenance requirements. PX cover allows easier maintenance of luminaires.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

MP – optical microprism

Fastening: BALOT – mounting into M600 panel false ceilings with visible holding racks, minimum height of ceiling free cavity is 200 mm. BALOT2/3 – mounting into M625 panel false ceilings with visible holding racks and in plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

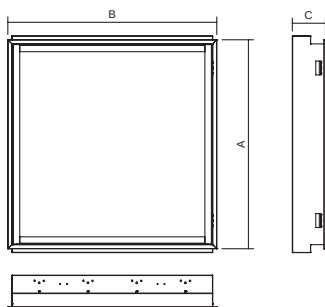
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

ISODOM – 3-pole terminal block for easier mounting

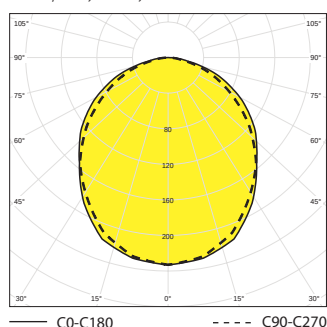
			Artic (mm)
– electronic ballast, module 600 x 600			
058012	BALOT-118-PX-EP, 1x18W		595 x 182 x 94
058013	BALOT-218-PX-EP, 2x18W		595 x 295 x 94
058014	BALOT-318-PX-EP, 3x18W		595 x 595 x 94
058015	BALOT-418-PX-EP, 4x18W		595 x 595 x 94
058016	BALOT-136-PX-EP, 1x36W		1195 x 182 x 94
058017	BALOT-236-PX-EP, 2x36W		1195 x 295 x 94
058018	BALOT-336-PX-EP, 3x36W	T26/G13	1195 x 595 x 94
058019	BALOT-436-PX-EP, 4x36W		1195 x 595 x 94
058020	BALOT-158-PX-EP, 1x58W		1495 x 182 x 94
058021	BALOT-258-PX-EP, 2x58W		1495 x 295 x 94
058022	BALOT-358-PX-EP, 3x58W		1495 x 595 x 94
058023	BALOT-458-PX-EP, 4x58W		1495 x 595 x 94

On request finishing with WR louvre (longitudinal and transverse blades from white painted sheet)

* dimensions of mounting hole for BALOT – PX, BALOT2 – PX



BALOT/3-PX, 4x18W, IP20





BALOT-PAR

IP 20



Application: commercial premises, suitable for higher spaces.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Reflector: PAR – highly polished aluminium sheet

Fastening: mounting into M600 (T16/G5), M625 (T26/G3) panel false ceilings with visible holding racks. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

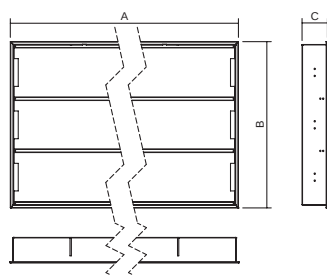
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

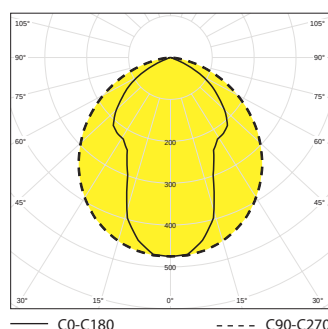
ISODOM – 3-pole terminal block for easier mounting

				
- electronic ballast				
050444	BALOT-PAR-336-EP, 3x36W	T26/G13	1247 x 619 x 94	1230 x 605
050445	BALOT-PAR-358-EP, 3x58W		1547 x 619 x 94	1530 x 605
- electronic ballast				
050447	BALOT-PAR-454-EP, 4x54W	T16/G5	1547 x 619 x 94	1530 x 605
050448	BALOT-PAR-480-EP, 4x80W		1547 x 619 x 94	1530 x 605
- special equipment				
051138	Set of brackets Balot – plasterboard			

* dimension of mounting hole



BALOT/3-PAR, 3x36W, IP20



BARBET-LED

IP 20 / IP 40



Application: direct lighting in offices and Commercial premises.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: OP – optical opal plexiglass

SP – optical satin microprism cover

Fastening: mounting into M600 or M625 panel false ceilings with visible holding racks and to plasterboard, minimum height of ceiling free cavity is 200 mm.

Connection: screwless terminal block with outside access for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

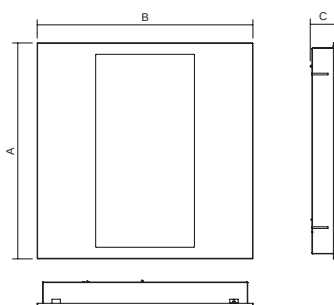
3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer

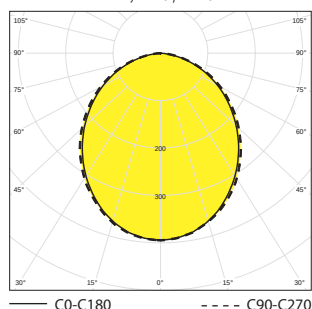
(hydrophobic, oleophobic or antibacterial protection)

ISODOM – 3-pole terminal block for easier mounting

Marking: BARBET-LED – modul M600, BARBET2-LED – modul M625, BARBET3-LED – plasterboard



BARBET-LED-D-4K, IP 20 / IP 40



BARBET-T



BARBET-M



BARBET-D



1		Tc/K	(lm)*	(W)**	AxBxC (mm)
- module 600					
050901	BARBET-SQ-D-LED-OP-7150-4K	4000	4691	55	597 x 597 x 64
050912	BARBET-SQ-M-LED-OP-4050-4K	4000	2997	29	597 x 597 x 64
050903	BARBET-SQ-M-LED-OP-5350-4K	4000	3973	41	597 x 597 x 64
050905	BARBET-SQ-M-LED-OP-7150-4K	4000	4691	55	597 x 597 x 64
050913	BARBET-SQ-T-LED-OP-4050-4K	4000	2997	29	597 x 597 x 64
050907	BARBET-SQ-T-LED-OP-5350-4K	4000	3973	41	597 x 597 x 64
050914	BARBET-D-LED-OP-5350-4K	4000	3973	38	1195 x 295 x 64
050909	BARBET-D-LED-OP-7150-4K	4000	4691	55	1195 x 295 x 64
050915	BARBET-M-LED-OP-5350-4K	4000	3973	38	1195 x 295 x 64
050911	BARBET-M-LED-OP-7150-4K	4000	4691	55	1195 x 295 x 64

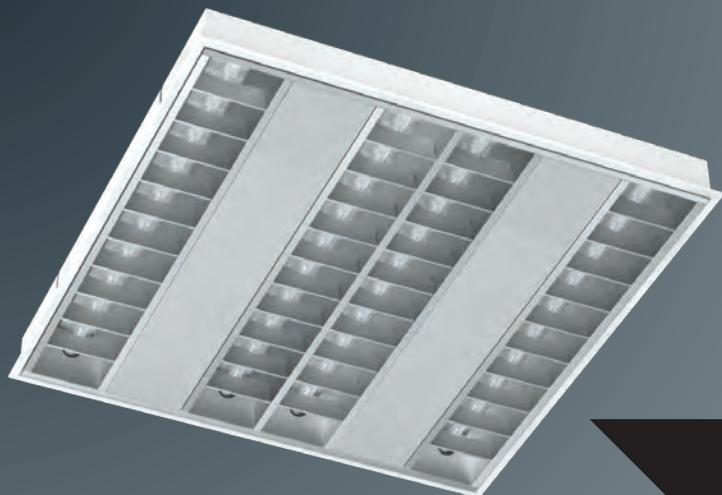
1		Tc/K	(lm)*	(W)**	AxBxC (mm)
- module 625					
050921	BARBET2-SQ-D-LED-OP-7150-4K	4000	4691	55	620 x 620 x 64
050932	BARBET2-SQ-M-LED-OP-4050-4K	4000	2997	29	620 x 620 x 64
050923	BARBET2-SQ-M-LED-OP-5350-4K	4000	3973	41	620 x 620 x 64
050925	BARBET2-SQ-M-LED-OP-7150-4K	4000	4691	55	620 x 620 x 64
050933	BARBET2-SQ-T-LED-OP-4050-4K	4000	2997	29	620 x 620 x 64
050927	BARBET2-SQ-T-LED-OP-5350-4K	4000	3973	41	620 x 620 x 64
050934	BARBET2-D-LED-OP-5350-4K	4000	3973	38	1195 x 295 x 64
050929	BARBET2-D-LED-OP-7150-4K	4000	4691	55	1247 x 307 x 64
050935	BARBET2-M-LED-OP-5350-4K	4000	3973	38	1247 x 307 x 64
050931	BARBET2-M-LED-OP-7150-4K	4000	4691	55	1247 x 307 x 64

1		Tc/K	(lm)*	(W)**	AxBxC (mm)	AxB (mm)
- plasterboard						
050941	BARBET3-SQ-D-LED-OP-7150-4K	4000	4691	55	602 x 602 x 64	585 x 585
050952	BARBET3-SQ-M-LED-OP-4050-4K	4000	2997	29	602 x 602 x 64	585 x 585
050943	BARBET3-SQ-M-LED-OP-5350-4K	4000	3973	41	602 x 602 x 64	585 x 585
050945	BARBET3-SQ-M-LED-OP-7150-4K	4000	4691	55	602 x 602 x 64	585 x 585
050953	BARBET3-SQ-T-LED-OP-4050-4K	4000	2997	29	602 x 602 x 64	585 x 585
050947	BARBET3-SQ-T-LED-OP-5350-4K	4000	3973	41	602 x 602 x 64	585 x 585
050954	BARBET3-D-LED-OP-5350-4K	4000	3973	38	1200 x 300 x 64	1185 x 285
050949	BARBET3-D-LED-OP-7150-4K	4000	4691	55	1200 x 300 x 64	1185 x 285
050955	BARBET3-M-LED-OP-5350-4K	4000	3973	38	1200 x 300 x 64	1185 x 285
050951	BARBET3-M-LED-OP-7150-4K	4000	4691	55	1200 x 300 x 64	1185 x 285

- special equipment

051209	set of brackets SDK BALOT3-LED
051210	set of brackets SDK BALOT3-SQ-LED

(lm)* - luminous flux, (W)** - input power



BARBET/3

IP 20



Application: direct lighting in schools, offices, Commercial premises.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louver: DL – parabolic louvre from tarnished aluminium sheet

BAP – parabolic louvre from high polished aluminium sheet

MIRO – parabolic louvre from highly polished aluminium sheet MIRO SILVER®

Fastening: mounting into M600 panel false ceiling with visible holding racks and to plasterboards. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h)

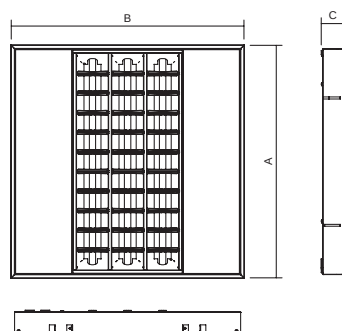
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

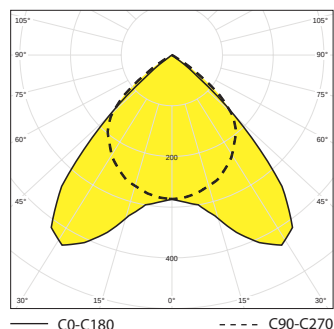
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

ISODOM – 3-pole terminal block for easier mounting



BARBET/3-BAP-DL, 4x14W, IP20



— CO-C180

- - - C90-C270

– electronic ballast, M600 and plasterboard					
057500	BARBET/3-314-DL-M, 3x14W	T16/G5	597 x 597 x 55	580 x 580	
057502	BARBET/3-314-BAP-M, 3x14W		597 x 597 x 55	580 x 580	
057501	BARBET/3-314-DL-T, 3x14W		597 x 597 x 55	580 x 580	
057503	BARBET/3-314-BAP-T, 3x14W		597 x 597 x 55	580 x 580	
057508	BARBET/3-324-DL-M, 3x24W		597 x 597 x 55	580 x 580	
057510	BARBET/3-324-BAP-M, 3x24W		597 x 597 x 55	580 x 580	
057509	BARBET/3-324-DL-T, 3x24W		597 x 597 x 55	580 x 580	
057511	BARBET/3-324-BAP-T, 3x24W		597 x 597 x 55	580 x 580	
057620	BARBET/3-414-DL-Q, 4x14W		597 x 597 x 55	580 x 580	
057622	BARBET/3-414-BAP-Q, 4x14W		597 x 597 x 55	580 x 580	
057504	BARBET/3-414-DL-M, 4x14W		597 x 597 x 55	580 x 580	
057506	BARBET/3-414-BAP-M, 4x14W		597 x 597 x 55	580 x 580	
057505	BARBET/3-414-DL-D, 4x14W		597 x 597 x 55	580 x 580	
057507	BARBET/3-414-BAP-D, 4x14W		597 x 597 x 55	580 x 580	
057621	BARBET/3-424-DL-Q, 4x24W		597 x 597 x 55	580 x 580	
057623	BARBET/3-424-BAP-Q, 4x24W		597 x 597 x 55	580 x 580	
057512	BARBET/3-424-DL-M, 4x24W		597 x 597 x 55	580 x 580	
057514	BARBET/3-424-BAP-M, 4x24W		597 x 597 x 55	580 x 580	
057513	BARBET/3-424-DL-D, 4x24W		597 x 597 x 55	580 x 580	
057515	BARBET/3-424-BAP-D, 4x24W		597 x 597 x 55	580 x 580	
057516	BARBET/3-128-DL-M, 1x28W		1197 x 297 x 55	1180 x 280	
057517	BARBET/3-128-BAP-M, 1x28W		1197 x 297 x 55	1180 x 280	
057520	BARBET/3-154-DL-M, 1x54W		1197 x 297 x 55	1180 x 280	
057521	BARBET/3-154-BAP-M, 1x54W		1197 x 297 x 55	1180 x 280	
057518	BARBET/3-228-DL-M, 2x28W		1197 x 297 x 55	1180 x 280	
057519	BARBET/3-228-BAP-M, 2x28W		1197 x 297 x 55	1180 x 280	
057522	BARBET/3-254-DL-M, 2x54W		1197 x 297 x 55	1180 x 280	
057523	BARBET/3-254-BAP-M, 2x54W		1197 x 297 x 55	1180 x 280	

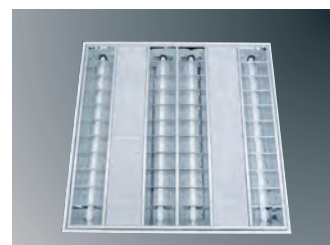
– special equipment

051138 Set of brackets BARBET - plasterboard

* dimensions of mounting hole for BARBET luminaires



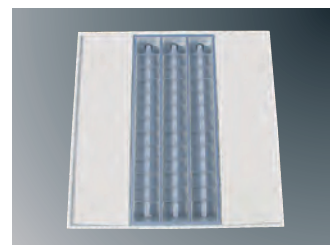
MODEL D



MODEL Q



MODEL T



MODEL M



BARBET/3-PX

IP 40



Application: offices, commercial premises, corridors and areas with higher maintenance requirements. PX cover allows easier maintenance of luminaires.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

MP – optical micropriism

Fastening: mounting into M600 panel false ceiling with visible holding racks and to plasterboards. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

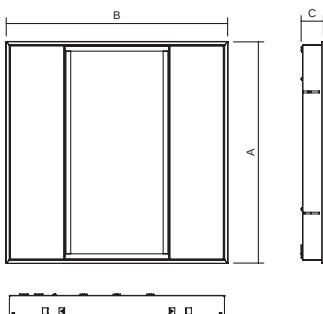
ISODOM – 3-pole terminal block for easier mounting

			AvB/C (mm)	AvB* (mm)
– electronic ballast, M600 and plasterboard				
057560	BARBET/3-314-PX-M, 3x14W	T16/G5	597 x 597 x 55	580 x 580
057561	BARBET/3-314-PX-T, 3x14W		597 x 597 x 55	580 x 580
057562	BARBET/3-324-PX-M, 3x24W		597 x 597 x 55	580 x 580
057563	BARBET/3-324-PX-T, 3x24W		597 x 597 x 55	580 x 580
057564	BARBET/3-414-PX-M, 4x14W		597 x 597 x 55	580 x 580
057565	BARBET/3-414-PX-D, 4x14W		597 x 597 x 55	580 x 580
057566	BARBET/3-424-PX-M, 4x24W		597 x 597 x 55	580 x 580
057567	BARBET/3-424-PX-D, 4x24W		597 x 597 x 55	580 x 580
057568	BARBET/3-128-PX-M, 1x28W		1197 x 297 x 55	1180 x 280
057569	BARBET/3-154-PX-M, 1x54W		1197 x 297 x 55	1180 x 280
057570	BARBET/3-228-PX-M, 2x28W		1197 x 297 x 55	1180 x 280
057571	BARBET/3-254-PX-M, 2x54W		1197 x 297 x 55	1180 x 280

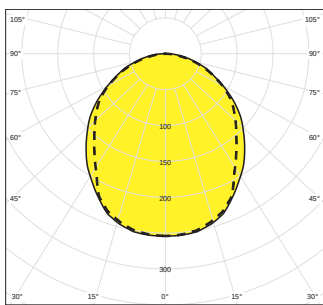
– special equipment

051138 Set of brackets BARBET - plasterboard

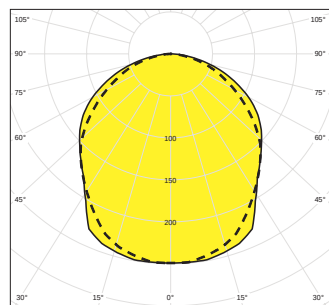
* dimension of mounting hole



BARBET-PX-418-D



BARBET-PX-418-M





BANDO-SQUARE-LED

IP 43 / IP 20



Application: offices, banks, hotels and Commercial premises.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: OP – optical opal plexi glass PMMA

Fastening: mounting into ceiling modules and plasterboards.

Connection: screwless terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

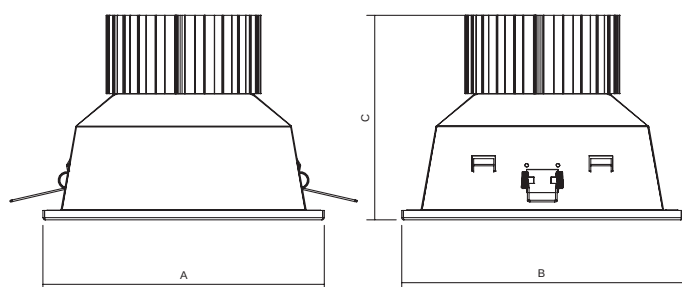
RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

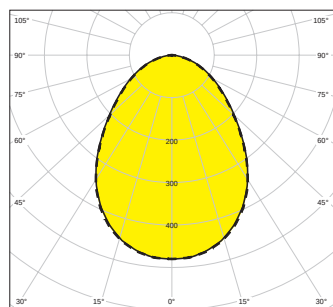
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		Tc/λ	(lm)*	(W)**	ArBc (mm)	ArB (mm)
051570	BANDO-SQUARE2-LED-800-4K	4000	622	7	180x180x130	165x165
051571	BANDO-SQUARE2-LED-1250-4K	4000	971	12	180x180x130	165x165
051572	BANDO-SQUARE2-LED-2000-4K	4000	1544	20	180x180x130	165x165
051573	BANDO-SQUARE2-LED-3000-4K	4000	2319	27	180x180x130	165x165
051574	BANDO-SQUARE1-LED-800-4K	4000	622	7	235x235x130	217x217
051575	BANDO-SQUARE1-LED-1250-4K	4000	971	12	235x235x130	217x217
051576	BANDO-SQUARE1-LED-2000-4K	4000	1544	20	235x235x130	217x217
051577	BANDO-SQUARE1-LED-3000-4K	4000	2319	27	235x235x130	217x217

(lm)* - luminous flux, (W)** - input power



BANDO-SQUARE-LED-4K



— C0-C180

---- C90-C270



BANDO-LED

IP 20 / IP 40



Application: offices, bank, hotels, corridors etc...

Ballast – EP – electronic ballast 220-240 V/50-60 Hz AC

Body: painted aluminium casting

Frame: painted aluminium casting

Reflector: highly efficient reflector designed for LED sources

Cover: transparent or opal cover

Fastening: mounting into ceiling modules and plasterboards

Connection: max. diameter of wires 2,5 mm²

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

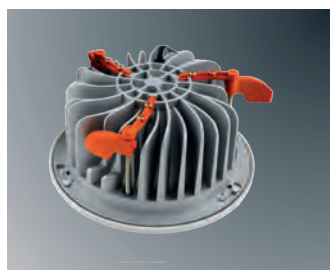
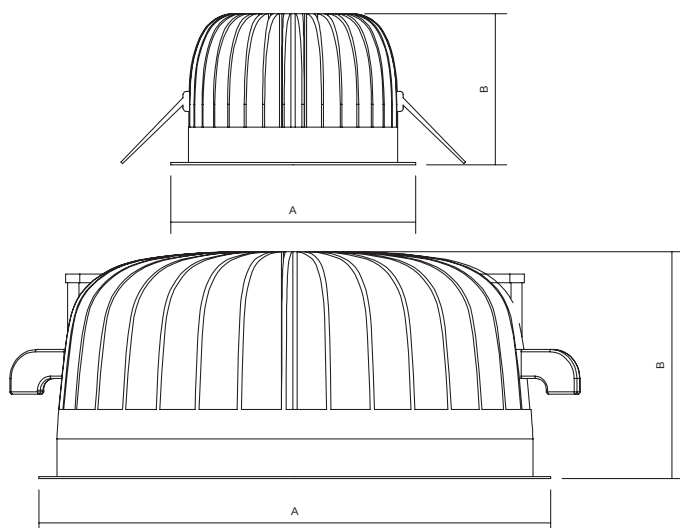
RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

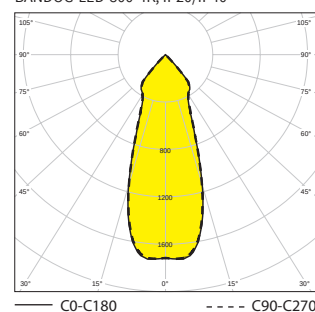
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

1		Tc/K	(lm)*	(W)**	AxB (mm)	ØC (mm)
051630	BANDO-LED-800-3K	3000	904	7	135 x 68	113
051631	BANDO-LED-800-4K	4000	934	7	135 x 68	113
051636	BANDO-LED-OP-800-3K	3000	818	7	135 x 68	113
051637	BANDO-LED-OP-800-4K	4000	844	7	135 x 68	113
051632	BANDO-LED-1700-3K	3000	1782	20	186 x 86	162
051633	BANDO-LED-1700-4K	4000	1837	20	186 x 86	162
051638	BANDO-LED-OP-1700-3K	3000	1601	20	186 x 86	162
051639	BANDO-LED-OP-1700-4K	4000	1651	20	186 x 86	162
051634	BANDO-LED-3000-3K	3000	3484	40	230 x 102	208
051635	BANDO-LED-3000-4K	4000	3592	40	230 x 102	208
051640	BANDO-LED-OP-3000-3K	3000	3163	40	230 x 102	208
051641	BANDO-LED-OP-3000-4K	4000	3260	40	230 x 102	208

(lm)* - luminous flux, (W)** - input power

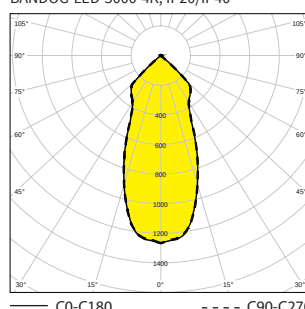


BANDO-LED-800-4K, IP20/IP40



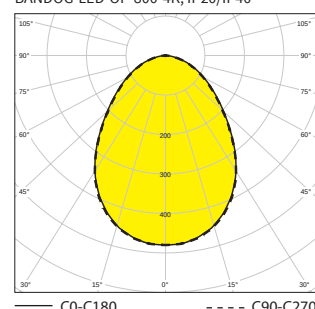
— C0-C180 - - - - C90-C270

BANDO-LED-3000-4K, IP20/IP40



— C0-C180 - - - - C90-C270

BANDO-LED-OP-800-4K, IP20/IP40



— C0-C180 - - - - C90-C270



BANDO-SQUARE

IP 43 / IP 20



Application: shops, banks, corridors, hotels etc...

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC

Body: white painted metal sheet (RAL 9003)

Cover: PC – transparent polycarbonate cover

OP – opal plexi glass without cover

Reflector: polished aluminium sheet

AS – asymmetric aluminium reflector

Fastening: mounting into ceiling modules

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

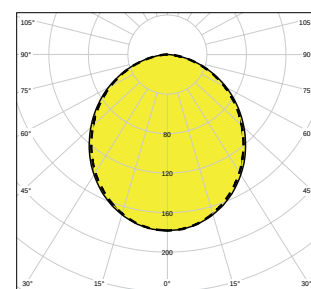
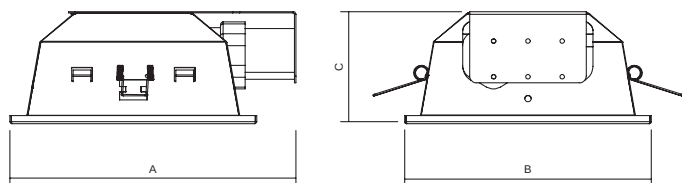
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

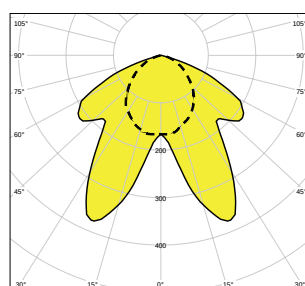
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

						
– electronic ballast, without cover						
051550	BANDOG-SQUARE-118, 1x18W	TC-DEL	G24q-2	210 x 180 x 130	165 x 165	
051551	BANDOG-SQUARE-218, 2x18W			210 x 180 x 130	165 x 165	
051552	BANDOG-SQUARE-126, 1x26W		G24q-3	210 x 180 x 130	165 x 165	
051553	BANDOG-SQUARE-226, 2x26W			210 x 180 x 130	165 x 165	
						
– electronic ballast, asymmetric reflector						
051554	BANDOG-SQUARE-AS-118, 1x18W	TC-DEL	G24q-2	210 x 180 x 130	165 x 165	
051555	BANDOG-SQUARE-AS-126, 1x26W		G24q-3	210 x 180 x 130	165 x 165	
						
– electronic ballast, polycarbonate transparent cover						
051556	BANDOG-SQUARE-PC-118, 1x18W	TC-DEL	G24q-2	210 x 180 x 130	165 x 165	
051557	BANDOG-SQUARE-PC-218, 2x18W			210 x 180 x 130	165 x 165	
051558	BANDOG-SQUARE-PC-126, 1x26W		G24q-3	210 x 180 x 130	165 x 165	
051559	BANDOG-SQUARE-PC-226, 2x26W			210 x 180 x 130	165 x 165	
						
– electronic ballast, opal cover						
051560	BANDOG-SQUARE-OP-118, 1x18W	TC-DEL	G24q-2	210 x 180 x 130	165 x 165	
051561	BANDOG-SQUARE-OP-218, 2x18W			210 x 180 x 130	165 x 165	
051562	BANDOG-SQUARE-OP-126, 1x26W		G24q-3	210 x 180 x 130	165 x 165	
051563	BANDOG-SQUARE-OP-226, 2x26W			210 x 180 x 130	165 x 165	

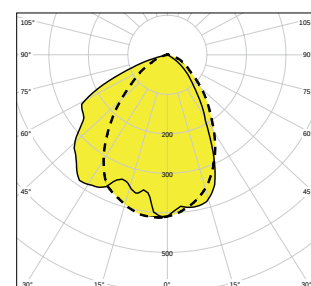
* dimension of mounting hole



— C0-C180 - - - - C90-C270

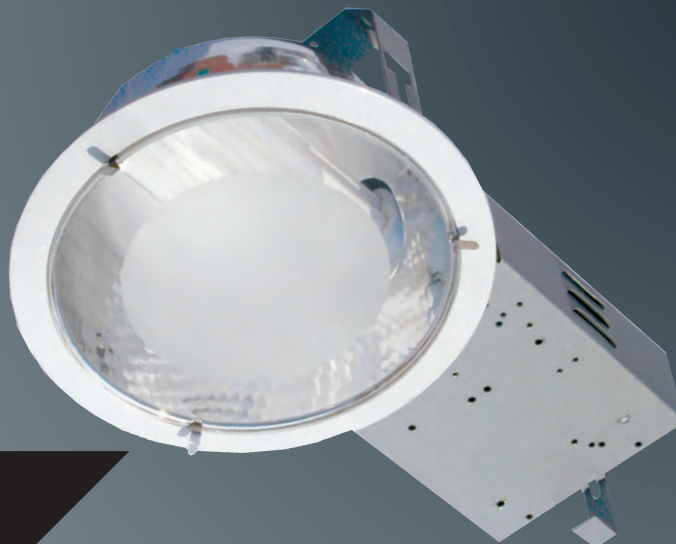


— C0-C180 - - - - C90-C270



— C0-C180 - - - - C90-C270





BANDOG

IP 20



Application: shops, banks, halls, hotels etc...

Ballast: EP – electronic balast 220-240 V/50-60 Hz AC

Body: metal sheet, gear box – steel sheet

Marking: BANDOG – without protection of reflector
BANDOG2 – with glass cover
BANDOG3 – with louvre from aluminium sheet

Reflector: polished aluminium sheet

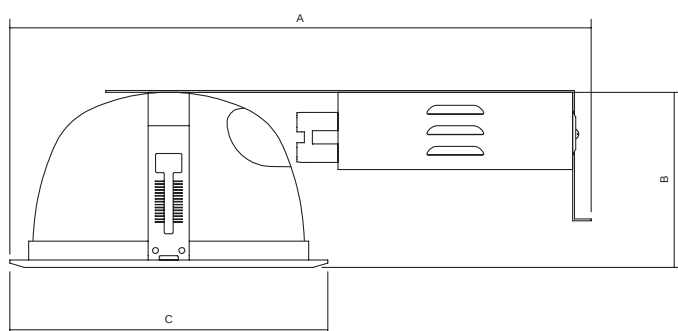
Fastening: mounting into ceiling modules

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

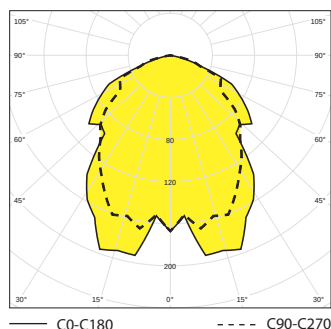
On request: Em – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
RAL – another colour finish
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AsBt (mm)	ØC (mm) *
- electronic ballast				
054250	BANDOG-EP-113, 1x13W	TC-DEL/G24q1	390 x 120 x 218	195
054252	BANDOG-EP-118, 1x18W	TC-DEL/G24q2	390 x 120 x 218	195
054254	BANDOG-EP-126, 1x26W	TC-DEL/G24q3	390 x 120 x 218	195
054251	BANDOG-EP-213, 2x13W	TC-DEL/G24q1	390 x 120 x 218	195
054253	BANDOG-EP-218, 2x18W	TC-DEL/G24q2	390 x 120 x 218	195
054255	BANDOG-EP-226, 2x26W	TC-DEL/G24q3	390 x 120 x 218	195
054256	BANDOG2-EP-113, 1x13W	TC-DEL/G24q1	390 x 120 x 218	195
054258	BANDOG2-EP-118, 1x18W	TC-DEL/G24q2	390 x 120 x 218	195
054260	BANDOG2-EP-126, 1x26W	TC-DEL/G24q3	390 x 120 x 218	195
054257	BANDOG2-EP-213, 2x13W	TC-DEL/G24q1	390 x 120 x 218	195
054259	BANDOG2-EP-218, 2x18W	TC-DEL/G24q2	390 x 120 x 218	195
054261	BANDOG2-EP-226, 2x26W	TC-DEL/G24q3	390 x 120 x 218	195
054262	BANDOG3-EP-113, 1x13W	TC-DEL/G24q1	400 x 136 x 225	200
054264	BANDOG3-EP-118, 1x18W	TC-DEL/G24q2	400 x 136 x 225	200
054266	BANDOG3-EP-126, 1x26W	TC-DEL/G24q3	400 x 136 x 225	200
054263	BANDOG3-EP-213, 2x13W	TC-DEL/G24q1	400 x 136 x 225	200
054265	BANDOG3-EP-218, 2x18W	TC-DEL/G24q2	400 x 136 x 225	200
054267	BANDOG3-EP-226, 2x26W	TC-DEL/G24q3	400 x 136 x 225	200

* dimension of mounting hole



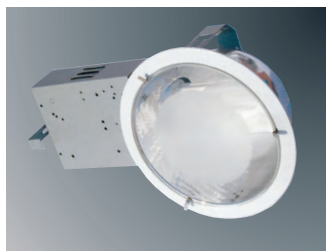
BANDOG, 2x26 W, IP 20



BANDOG



BANDOG 2



BANDOG 3





VERTIGO20

IP 20



Application: meeting rooms, shops and offices.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Reflector, louver: WR – white painted reflector

MAT – matt reflector

MAT+MR – matt reflector + parabolic louver from high polished aluminium sheet.

Fastening: Mounting into M600 or M625 panel false ceilings with visible holding racks and plasterboards. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

ISODOM – 3-pole terminal block for easier mounting

VERTIGO20/3 – modul M600 and plasterboard

VERTIGO202/3 – modul M625 and plasterboard

			AuB (mm)	AuB* (mm)
– electronic ballast, M600 and plasterboard				
058218	VERTIGO20/3-236-WR-EP, 2x36W	TC-L/2G11	595 x 595 x 120	585 x 585
058222	VERTIGO20/3-236-MAT-EP, 2x36W		595 x 595 x 120	585 x 585
059219	VERTIGO20/3-155-WR-EP, 1x55W		595 x 595 x 120	585 x 585
059223	VERTIGO20/3-155-MAT-EP, 1x55W		595 x 595 x 120	585 x 585
059220	VERTIGO20/3-255-WR-EP, 2x55W		595 x 595 x 120	585 x 585
059224	VERTIGO20/3-255-MAT-EP, 2x55W	T16/G5	595 x 595 x 120	585 x 585
059250	VERTIGO20/3-214-MAT+MR-EP, 2x14W		595 x 595 x 120	585 x 585
059251	VERTIGO20/3-224-MAT+MR-EP, 2x14W		595 x 595 x 120	585 x 585

			AuB (mm)	AuB* (mm)
– electronic ballast, M625 and plasterboard				
058230	VERTIGO202/3-236-WR-EP, 2x36W	TC-L/2G11	620 x 620 x 120	610 x 610
058234	VERTIGO202/3-236-MAT-EP, 2x36W		620 x 620 x 120	610 x 610
058231	VERTIGO202/3-155-WR-EP, 1x55W		620 x 620 x 120	610 x 610
058235	VERTIGO202/3-155-MAT-EP, 1x55W		620 x 620 x 120	610 x 610
058232	VERTIGO202/3-255-WR-EP, 2x55W		620 x 620 x 120	610 x 610
058236	VERTIGO202/3-255-MAT-EP, 2x55W	T16/G5	620 x 620 x 120	610 x 610
059252	VERTIGO202/3-214-MAT+MR-EP, 2x14W		620 x 620 x 120	610 x 610
059253	VERTIGO202/3-224-MAT+MR-EP, 2x14W		620 x 620 x 120	610 x 610

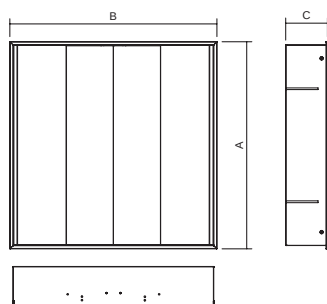
– special equipment

051138 Set of brackets - plasterboard

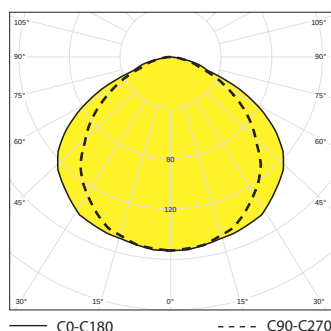
Marking: VERTIGO – 600x600 modul and plasterboard, VERTIGO2 – 625x625 modul and plasterboard

Order codes and technical information of VERTIGO2 luminaires on request..

* dimensions of mounting hole for VERTIGO luminaires



VERTIGO-WR, 2x36W, IP20



MAT+MR



WR





LIGHTING FOR CLEAN ROOMS



CORGI-LED

IP 65



Application: areas with requirements for higher level of protection (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Frameless and screwless construction together with clean design guarantees easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: tempered safety glass

SP – optical satin microprism cover

Fastening: direct fastening on the ceiling

Connection: Screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

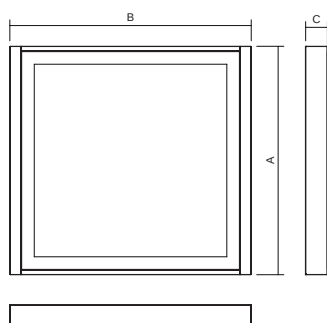
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T _{ca}	(lm)*	(W)**	A _{50°C} (mm)
059876	CORGI-LED-1870-3K	3000	1360	12	595 x 330 x 58
059877	CORGI-LED-1930-4K	4000	1590	12	595 x 330 x 58
059878	CORGI-LED-2560-3K	3000	1860	16	595 x 330 x 58
059879	CORGI-LED-2640-4K	4000	1925	16	595 x 330 x 58
059880	CORGI-LED-3530-3K	3000	2570	30	595 x 330 x 58
059881	CORGI-LED-3640-4K	4000	2650	30	595 x 330 x 58
059882	CORGI-LED-4805-3K	3000	3495	37	595 x 330 x 58
059883	CORGI-LED-4925-4K	4000	3590	37	595 x 330 x 58

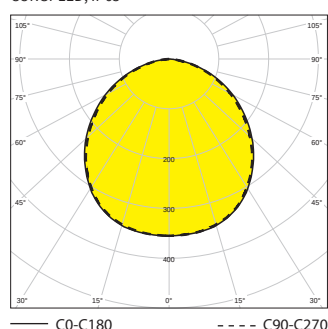
		T _{ca}	(lm)*	(W)**	A _{50°C} (mm)
059860	CORGI-SQ-LED-3740-3K	3000	2725	24	595 x 627 x 58
059861	CORGI-SQ-LED-3860-4K	4000	2810	24	595 x 627 x 58
059862	CORGI-SQ-LED-5120-3K	3000	3730	32	595 x 627 x 58
059863	CORGI-SQ-LED-5280-4K	4000	3840	32	595 x 627 x 58
059864	CORGI-SQ-LED-7060-3K	3000	5140	62	595 x 627 x 58
059865	CORGI-SQ-LED-7280-4K	4000	5290	62	595 x 627 x 58
059866	CORGI-SQ-LED-9610-3K	3000	6990	74	595 x 627 x 58
059867	CORGI-SQ-LED-9850-4K	4000	7170	74	595 x 627 x 58

		T _{ca}	(lm)*	(W)**	A _{50°C} (mm)
059868	CORGI-LED-3740-3K	3000	2725	24	1185 x 330 x 58
059869	CORGI-LED-3860-4K	4000	2810	24	1185 x 327 x 58
059870	CORGI-LED-5120-3K	3000	3730	32	1185 x 327 x 58
059871	CORGI-LED-5280-4K	4000	3840	32	1185 x 327 x 58
059872	CORGI-LED-7060-3K	3000	5140	62	1185 x 327 x 58
059873	CORGI-LED-7280-4K	4000	5290	62	1185 x 327 x 58
059874	CORGI-LED-9610-3K	3000	6990	74	1185 x 327 x 58
059875	CORGI-LED-9850-4K	4000	7170	74	1185 x 327 x 58

(lm)* - luminous flux, (W)** - input power



CORGI-LED, IP65





CORGI-T5

IP 65



Application: areas with requirements for higher level of protection (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Frameless and screwless construction together with clean design guarantees easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: tempered safety glass

Louvre: parabolic louvre from high polished aluminium sheet

Fastening: direct fastening on the ceiling

Connection: Screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1h, 3h)

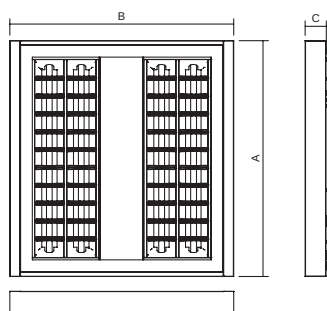
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

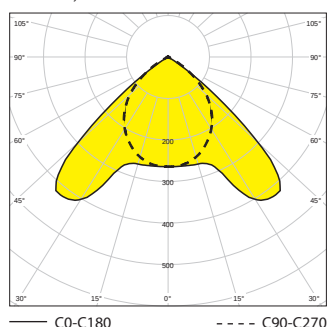
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AvbC (mm)
– electronic ballast			
059890	CORGI-414-EP, 4x14W		661 x 627 x 58
059891	CORGI-424-EP, 4x24W		661 x 627 x 58
059892	CORGI-228-EP, 2x28W		1261 x 318 x 58
059893	CORGI-254-EP, 2x54W		1261 x 318 x 58
059894	CORGI-428-EP, 4x28W	T16/G5	1261 x 627 x 58
059895	CORGI-454-EP, 4x54W		1261 x 627 x 58
059896	CORGI-235-EP, 2x35W		1561 x 318 x 58
059897	CORGI-249-EP, 2x49W		1561 x 318 x 58
059898	CORGI-280-EP, 2x80W		1561 x 318 x 58



CORGI-T5, IP65





HOOVER4-LED

IP 65



Application: areas with requirements for higher level of protection (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: OP – optical opal plexiglass

SP – optical satin micropism cover

Fastening: direct fastening on the ceiling

Connection: Screwless terminal block for easy installation, max. diameter of wires 2,5 mm².

The lighting fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T _{col}	(lm)*	(W)**	AvBxC (mm)
057860	HOOVER4-SQ-LED-OP-5900-3K	3000	3737	42	610 x 592 x 87
057861	HOOVER4-SQ-LED-OP-6100-4K	4000	3840	42	610 x 592 x 87
057862	HOOVER4-SQ-LED-OP-6850-3K	3000	4275	50	610 x 592 x 87
057863	HOOVER4-SQ-LED-OP-7100-4K	4000	4428	50	610 x 592 x 87

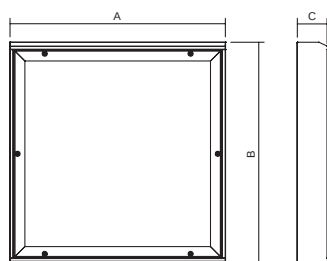
		T _{col}	(lm)*	(W)**	AvBxC (mm)
057864	HOOVER4-LED-OP-5900-3K	3000	3737	42	1090 x 355 x 87
057865	HOOVER4-LED-OP-6100-4K	4000	3840	42	1090 x 355 x 87
057866	HOOVER4-LED-OP-6850-3K	3000	4275	50	1090 x 355 x 87
057867	HOOVER4-LED-OP-7100-4K	4000	4428	50	1090 x 355 x 87

		T _{col}	(lm)*	(W)**	AvBxC (mm)
057868	HOOVER4-LED-OP-7350-3K	3000	4672	52	1340 x 355 x 87
057869	HOOVER4-LED-OP-7600-4K	4000	4800	52	1340 x 355 x 87
057870	HOOVER4-LED-OP-8550-3K	3000	5344	62	1340 x 355 x 87
057871	HOOVER4-LED-OP-8850-4K	4000	5536	62	1340 x 355 x 87

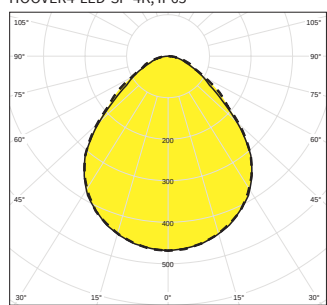
- special equipment

120000	Cable suspender – Y, l = 2 m, (1 pc)
051136	Tube suspender FALCON 2x/3x/4x, l = 600 mm (2 pcs)
051155	Ceiling cap with transparent cable 3x1,5 mm ² , l = 2,5

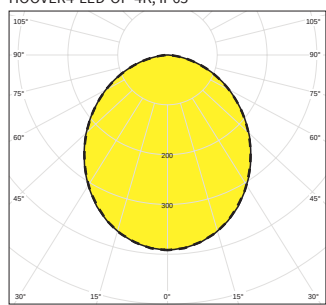
(lm)* - luminous flux, (W)** - input power



HOOVER4-LED-SP-4K, IP65



HOOVER4-LED-OP-4K, IP65





HOOVER4

IP 65



Application: areas with requirements for higher level of protection (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

Fastening: direct fastening on the ceiling

Connection: Screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

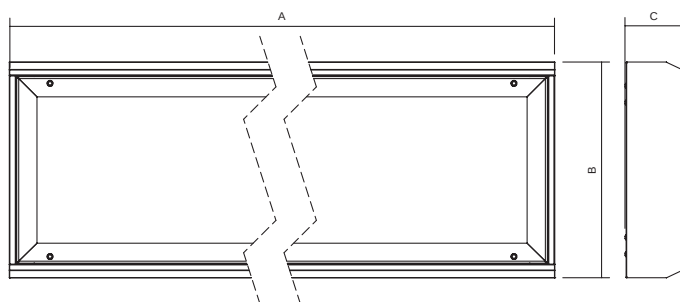
On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

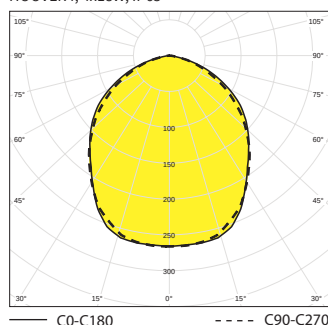
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

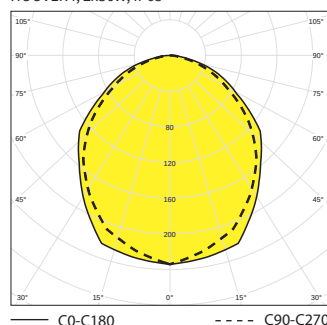
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



HOOVER4, 4x18W, IP65



HOOVER4, 2x36W, IP65



			AbxC (mm)
– electronic ballast			
058337	HOOVER4-118-EP, 1x18W	T26/G13	662 x 200 x 87
058338	HOOVER4-218-EP, 2x18W		662 x 320 x 87
058339	HOOVER4-318-EP, 3x18W		662 x 500 x 87
058340	HOOVER4-418-EP, 4x18W		662 x 500 x 87
058341	HOOVER4-136-EP, 1x36W		1262 x 200 x 87
058342	HOOVER4-236-EP, 2x36W		1262 x 320 x 87
058343	HOOVER4-336-EP, 3x36W		1262 x 500 x 87
058344	HOOVER4-436-EP, 4x36W		1262 x 500 x 87
058345	HOOVER4-158-EP, 1x58W		1562 x 200 x 87
058346	HOOVER4-258-EP, 2x58W		1562 x 320 x 87
058347	HOOVER4-358-EP, 3x58W		1562 x 500 x 87
058348	HOOVER4-458-EP, 4x58W		1562 x 500 x 87

			AbxC (mm)
– electronic ballast			
056130	HOOVER4-414-EP, 4x14W	T16/G5	662 x 500 x 87
056131	HOOVER4-424-EP, 4x24W		662 x 500 x 87
056132	HOOVER4-228-EP, 2x28W		1262 x 320 x 87
056133	HOOVER4-254-EP, 2x54W		1262 x 320 x 87
056134	HOOVER4-428-EP, 4x28W		1262 x 500 x 87
056135	HOOVER4-454-EP, 4x54W		1262 x 500 x 87

			AbxC (mm)
– electronic ballast			
058266	HOOVER4-336-EP, 3x36W, 2G11	TC-L/2G11	662 x 500 x 87
058267	HOOVER4-355-EP, 3x55W, 2G11		662 x 500 x 87





HOUND4-LED-MAG

IP 65



Application: areas with requirements for higher level of protection degree (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Cover: tempered safety glass

Fastening: Direct fastening on the ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1 h, 3 h)

MULTI – maintained emergency lighting (1 h, 3 h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

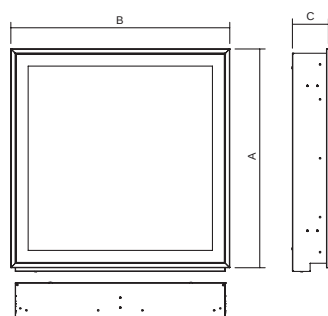
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T _{ca}	(lm)*	(W)**	A _{80C} (mm)
059726	HOUND4-MAG-LED-1870-3K	3000	1310	12	595 x 310 x 58
059727	HOUND4-MAG-LED-1930-4K	4000	1530	12	595 x 310 x 58
059728	HOUND4-MAG-LED-2560-3K	3000	1790	16	595 x 310 x 58
059729	HOUND4-MAG-LED-2640-4K	4000	1850	16	595 x 310 x 58
059746	HOUND4-MAG-LED-3530-3K	3000	2470	30	595 x 310 x 58
059747	HOUND4-MAG-LED-3640-4K	4000	2550	30	595 x 310 x 58
059748	HOUND4-MAG-LED-4805-3K	3000	3360	37	595 x 310 x 58
059749	HOUND4-MAG-LED-4925-4K	4000	3450	37	595 x 310 x 58

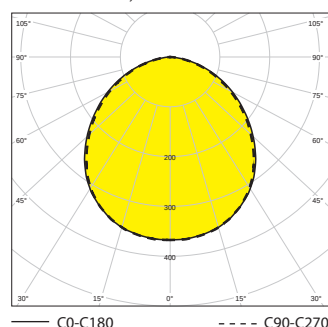
		T _{ca}	(lm)*	(W)**	A _{80C} (mm)
059730	HOUND4-MAG-SQ-LED-3740-3K	3000	2620	24	595 x 610 x 85
059731	HOUND4-MAG-SQ-LED-3860-4K	4000	2700	24	595 x 610 x 85
059732	HOUND4-MAG-SQ-LED-5120-3K	3000	3584	32	595 x 610 x 85
059733	HOUND4-MAG-SQ-LED-5280-4K	4000	3690	32	595 x 610 x 85
059734	HOUND4-MAG-SQ-LED-7060-3K	3000	4940	62	595 x 610 x 85
059735	HOUND4-MAG-SQ-LED-7280-4K	4000	5090	62	595 x 610 x 85
059736	HOUND4-MAG-SQ-LED-9610-3K	3000	6727	74	595 x 610 x 85
059737	HOUND4-MAG-SQ-LED-9850-4K	4000	6895	74	595 x 610 x 85

		T _{ca}	(lm)*	(W)**	A _{80C} (mm)
059738	HOUND4-MAG-LED-3740-3K	3000	2620	24	1185 x 310 x 58
059739	HOUND4-MAG-LED-3860-4K	4000	2700	24	1185 x 310 x 58
059740	HOUND4-MAG-LED-5120-3K	3000	3584	32	1185 x 310 x 58
059741	HOUND4-MAG-LED-5280-4K	4000	3690	32	1185 x 310 x 58
059742	HOUND4-MAG-LED-7060-3K	3000	4940	62	1185 x 310 x 58
059743	HOUND4-MAG-LED-7280-4K	4000	5090	62	1185 x 310 x 58
059744	HOUND4-MAG-LED-9610-3K	3000	6727	74	1185 x 310 x 58
059745	HOUND4-MAG-LED-9850-4K	4000	6895	74	1185 x 310 x 58

(lm)* - luminous flux, (W)** - input power



HOUND-LED-MAG, IP65





HOUND4-MAG

IP 65



Application: areas with requirements for higher level of protection degree (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Louvre: parabolic louvre from high polished aluminium sheet

Cover: tempered safety glass

Fastening: Direct fastening on the ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1 h, 3 h)

MULTI – maintained emergency lighting (1 h, 3 h)

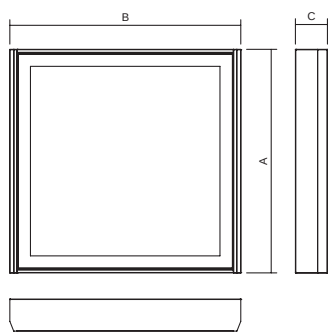
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

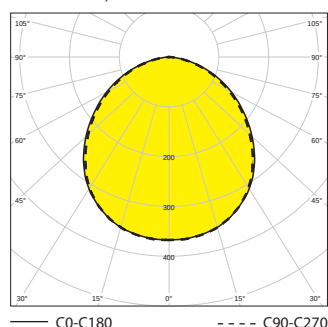
1/3 F – one or three phase through-wiring connection

NANO – protection by means of special NANO layers (hydrophobia, oilphobia, antibacterial protection)

			AsBxC (mm)
– electronic ballast			
059710	HOUND4-MAG-414-EP, 4x14W		661 x 627 x 58
059711	HOUND4-MAG-424-EP, 4x24W		661 x 627 x 58
059712	HOUND4-MAG-228-EP, 2x28W		1261 x 318 x 58
059713	HOUND4-MAG-254-EP, 2x54W		1261 x 318 x 58
059714	HOUND4-MAG-428-EP, 4x28W	T16/G5	1261 x 627 x 58
059715	HOUND4-MAG-454-EP, 4x54W		1261 x 627 x 58
059716	HOUND4-MAG-235-EP, 2x35W		1561 x 318 x 58
059717	HOUND4-MAG-249-EP, 2x49W		1561 x 318 x 58
059718	HOUND4-MAG-280-EP, 2x80W		1561 x 318 x 58



HOUND4-MAG, IP65





HOUND4

IP 65



Application: areas with requirements for higher level of protection (IP), in clean rooms, i.e. hospitals, laboratories, food industry. Design of light fixture allows easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: parabolic louvre from high polished aluminium sheet

Cover: tempered safety glass

Fastening: direct fastening on the ceiling

Connection: Screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

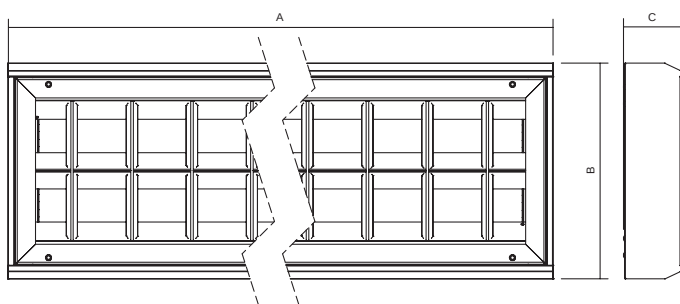
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

PC COVER – cover made from PC (polycarbonate)

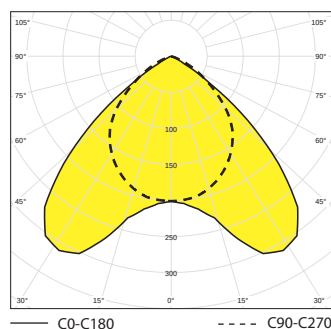
			AbxC (mm)
– electronic ballast			
058385	HOUND4-418-EP, 4x18W	T26/G13	662 x 500 x 87
058386	HOUND4-236-EP, 2x36W		662 x 500 x 87
058387	HOUND4-436-EP, 4x36W		1262 x 500 x 87
058388	HOUND4-258-EP, 2x58W		1262 x 320 x 87
058422	HOUND4-458-EP, 4x58W		1262 x 500 x 87
058421	HOUND4-358-EP, 3x58W		1262 x 500 x 87

			AbxC (mm)
– electronic ballast			
059389	HOUND4-414-EP, 4x14W	T16/G5	662 x 500 x 87
059390	HOUND4-424-EP, 4x24W		662 x 500 x 87
059391	HOUND4-228-EP, 2x28W		1262 x 320 x 87
059392	HOUND4-254-EP, 2x54W		1262 x 320 x 87
059393	HOUND4-428-EP, 4x28W		1262 x 500 x 87
059394	HOUND4-454-EP, 4x54W		1262 x 500 x 87
058430	HOUND4-235-EP, 2x35W		1562 x 320 x 87
058431	HOUND4-249-EP, 2x49W		1562 x 320 x 87
058432	HOUND4-280-EP, 2x80W		1562 x 320 x 87
058435	HOUND4-435-EP, 4x35W		1562 x 500 x 87
058436	HOUND4-449-EP, 4x49W		1562 x 500 x 87
058437	HOUND4-480-EP, 4x80W		1562 x 500 x 87

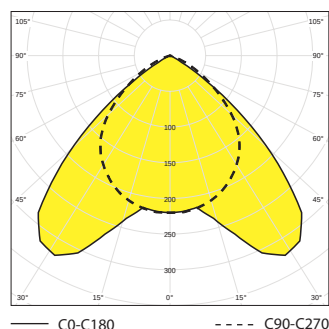
			AbxC (mm)
– electronic ballast			
058423	HOUND4-336-EP, 3x36W, 2G11	TC-L/2G11	662 x 500 x 87
058424	HOUND4-355-EP, 3x55W, 2G11		662 x 500 x 87



HOUND4, 4x36, IP65



HOUND4, 2x36, IP65





HOUND-MAG/2/3-LED

IP 65



Application: clean rooms, requiring high degree of protection (IP), such as hospitals, laboratories, food industry. Frameless and screwless construction together with clean design guarantees easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: frosted tempered safety glass with painted border

Fastening: mounting into metal ceilings modules 600 or 625 with visible holding racks, into plasterboard by means of special brackets for plasterboard. Minimum required height of ceiling free cavity is 200 mm.

Connection: Screwless terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

On request: **Em** – non-maintained emergency lighting (1h, 3h)

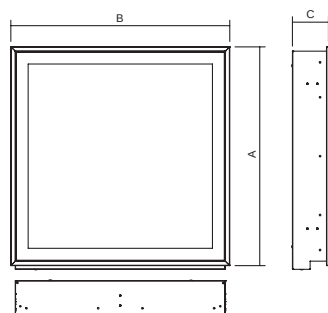
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

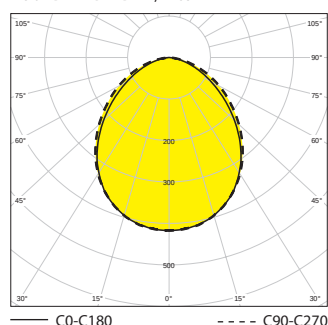
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: HOUND-MAG – module 600, HOUND2-MAG – module 625, HOUND3-MAG – plasterboard



HOUND-MAG-LED-4K, IP 65



		Tc/L	(lm)*	(W)**	Artic (mm)
059750	HOUND-MAG-SQ-LED-OP-5100-4K	4000	3621	34	597 x 597 x 100
059751	HOUND-MAG-SQ-LED-OP-6100-4K	4000	4331	42	597 x 597 x 100
059752	HOUND-MAG-SQ-LED-OP-7100-4K	4000	5041	50	597 x 597 x 100
059753	HOUND-MAG-LED-OP-5100-4K	4000	3621	34	1197 x 297 x 100
059754	HOUND-MAG-LED-OP-6100-4K	4000	4331	42	1197 x 297 x 100
059755	HOUND-MAG-LED-OP-7100-4K	4000	5041	50	1197 x 297 x 100
059756	HOUND-MAG-LED-OP-7600-4K	4000	5396	52	1495 x 297 x 100
059757	HOUND-MAG-LED-OP-8850-4K	4000	6283	62	1495 x 297 x 100

		Tc/L	(lm)*	(W)**	Artic (mm)
059758	HOUND2-MAG-SQ-LED-OP-5100-4K	4000	3621	34	620 x 620 x 100
059759	HOUND2-MAG-SQ-LED-OP-6100-4K	4000	4331	42	620 x 620 x 100
059760	HOUND2-MAG-SQ-LED-OP-7100-4K	4000	5041	50	620 x 620 x 100
059761	HOUND2-MAG-LED-OP-5100-4K	4000	3621	34	1247 x 307 x 100
059762	HOUND2-MAG-LED-OP-6100-4K	4000	4331	42	1247 x 307 x 100
059763	HOUND2-MAG-LED-OP-7100-4K	4000	5041	50	1247 x 307 x 100
059765	HOUND2-MAG-LED-OP-7600-4K	4000	5396	52	1547 x 307 x 100
059766	HOUND2-MAG-LED-OP-8850-4K	4000	6283	62	1547 x 307 x 100

		Tc/L	(lm)*	(W)**	Artic (mm)
059767	HOUND3-MAG-SQ-LED-OP-5100-4K	4000	3621	34	620 x 620 x 100
059768	HOUND3-MAG-SQ-LED-OP-6100-4K	4000	4331	42	620 x 620 x 100
059769	HOUND3-MAG-SQ-LED-OP-7100-4K	4000	5041	50	620 x 620 x 100
059770	HOUND3-MAG-LED-OP-5100-4K	4000	3621	34	1247 x 307 x 100
059771	HOUND3-MAG-LED-OP-6100-4K	4000	4331	42	1247 x 307 x 100
059772	HOUND3-MAG-LED-OP-7100-4K	4000	5041	50	1247 x 307 x 100
059773	HOUND3-MAG-LED-OP-7600-4K	4000	5396	52	1500 x 305 x 100
059774	HOUND3-MAG-LED-OP-8850-4K	4000	6283	62	1500 x 305 x 100

(lm)* - luminous flux, (W)** - input power



HOOVER-LED

IP 65



Application: premises requiring the higher degree of protection (IP, into cleanrooms, laboratories, food industry. Design allows for easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: OP – optical opal plexiglass
SP – optical satin microprism cover

Fastening: mounting into metal ceilings modules 600 or 625 with visible holding racks, into plasterboard by means of special brackets for plasterboard. Minimum required height of ceiling free cavity is 200 mm.

Connection: Screwless terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

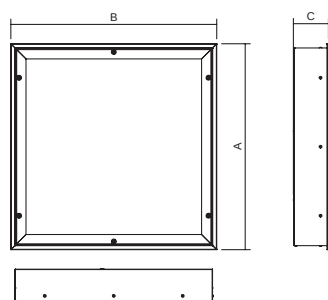
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

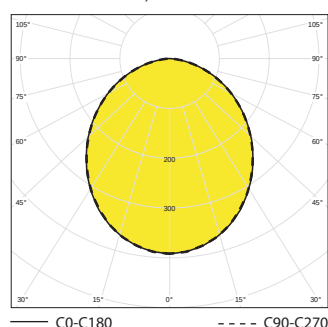
3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

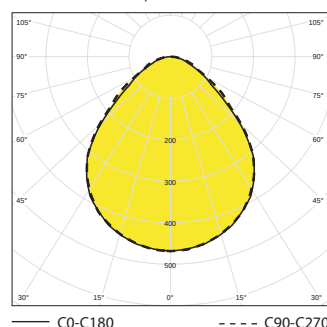
Marking: HOOVER-LED – module 600, HOOVER2-LED – module 625, HOOVER3-LED – plasterboard



HOOVER-LED-OP-4K, IP65



HOOVER-LED-SP-4K, IP65



		Tc/λ	(lm)*	(W)**	AbxC (mm)
- electronic ballast, M600					
057812	HOOVER-SQ-LED-OP-5100-4K	4000	3621	34	597 x 597 x 100
057801	HOOVER-SQ-LED-OP-6100-4K	4000	4331	42	597 x 597 x 100
057803	HOOVER-SQ-LED-OP-7100-4K	4000	5041	50	597 x 597 x 100
057813	HOOVER-LED-OP-5100-4K	4000	3621	34	1197 x 297 x 100
057805	HOOVER-LED-OP-6100-4K	4000	4331	42	1197 x 297 x 100
057807	HOOVER-LED-OP-7100-4K	4000	5041	50	1197 x 297 x 100
057809	HOOVER-LED-OP-7600-4K	4000	5396	52	1495 x 297 x 100
057811	HOOVER-LED-OP-8850-4K	4000	6283	62	1495 x 297 x 100

		Tc/λ	(lm)*	(W)**	AbxC (mm)
- electronic ballast, M625					
057832	HOOVER2-SQ-LED-OP-5100-4K	4000	3621	34	620 x 620 x 100
057821	HOOVER2-SQ-LED-OP-6100-4K	4000	4331	42	620 x 620 x 100
057823	HOOVER2-SQ-LED-OP-7100-4K	4000	5041	50	620 x 620 x 100
057833	HOOVER2-LED-OP-5100-4K	4000	3621	34	1247 x 307 x 100
057825	HOOVER2-LED-OP-6100-4K	4000	4331	42	1247 x 307 x 100
057827	HOOVER2-LED-OP-7100-4K	4000	5041	50	1247 x 307 x 100
057829	HOOVER2-LED-OP-7600-4K	4000	5396	52	1547 x 307 x 100
057831	HOOVER2-LED-OP-8850-4K	4000	6283	62	1547 x 307 x 100

		Tc/λ	(lm)*	(W)**	AbxC (mm)
- electronic ballast, plasterboard					
057852	HOOVER3-SQ-LED-OP-5100-4K	4000	3621	34	620 x 620 x 100
057841	HOOVER3-SQ-LED-OP-6100-4K	4000	4331	42	620 x 620 x 100
057843	HOOVER3-SQ-LED-OP-7100-4K	4000	5041	50	620 x 620 x 100
057853	HOOVER3-LED-OP-5100-4K	4000	3621	34	1247 x 307 x 100
057845	HOOVER3-LED-OP-6100-4K	4000	4331	42	1247 x 307 x 100
057847	HOOVER3-LED-OP-7100-4K	4000	5041	50	1247 x 307 x 100
057849	HOOVER3-LED-OP-7600-4K	4000	5396	52	1500 x 305 x 100
057851	HOOVER3-LED-OP-8850-4K	4000	6283	62	1500 x 305 x 100

(lm)* - luminous flux, (W)** - input power



HOUND, HOUND2

IP 65



Application: premises requiring the higher degree of protection (IP, into cleanrooms, laboratories, food industry). Design allows for easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet

Cover: tempered safety glass

Fastening: mounting into M600 or M625 panel false ceilings with visible holding racks and to plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm². The lighting fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

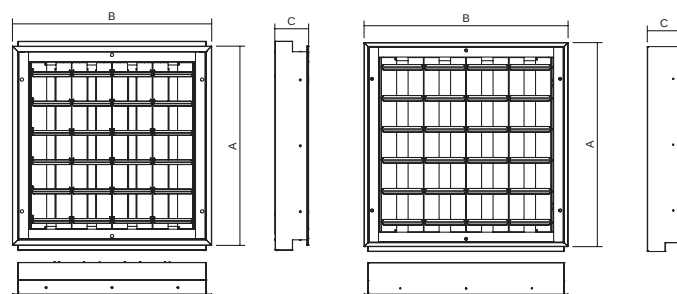
RAL – another colour finish

NANO – light fixture protected by special nanolayer

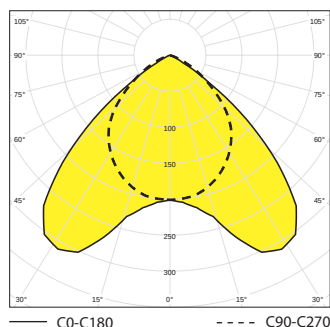
(hydrophobic, oleophobic or antibacterial protection)

PC COVER – made from PC (polycarbonate)

Marking: HOUND – module 600, HOUND2 – module 625



HOUND-BAP, 4x18W, IP 65



			 AsBxC (mm)
– electronic ballast, plasterboard			
058398	HOUND-218-EP, 2 x 18W	T26/G13	595 x 298 x 100
058349	HOUND-418-EP, 4 x 18W		595 x 595 x 100
058350	HOUND-236-EP, 2 x 36W		1197 x 298 x 100
058351	HOUND-436-EP, 4 x 36W		1197 x 595 x 100
058352	HOUND-258-EP, 2 x 58W		1497 x 298 x 100
058438	HOUND-458-EP, 4 x 58W		1497 x 595 x 100
– electronic ballast, plasterboard			
059413	HOUND-214-EP, 4 x 14W	T16/G5	595 x 298 x 100
059414	HOUND-224-EP, 4 x 24W		595 x 298 x 100
059353	HOUND-414-EP, 4 x 14W		595 x 595 x 100
059354	HOUND-424-EP, 4 x 24W		595 x 595 x 100
059355	HOUND-228-EP, 2 x 28W		1197 x 298 x 100
059356	HOUND-254-EP, 2 x 54W		1197 x 298 x 100
059357	HOUND-428-EP, 4 x 28W		1197 x 595 x 100
059358	HOUND-454-EP, 4 x 54W		1197 x 595 x 100
– electronic ballast, M600			
058359	HOUND-336-EP, 3 x 36W, 2G11	TC-L/2G11	595 x 595 x 100
058360	HOUND-355-EP, 3 x 55W, 2G11		595 x 595 x 100

			
- electronic ballast, M625			
058411	HOUND2-218-EP, 2 x 18W	T26/G13	620 x 312 x 100
58361	HOUND2-418-EP, 4 x 18W		620 x 620 x 100
58362	HOUND2-236-EP, 2 x 36W		1247 x 312 x 100
58363	HOUND2-436-EP, 4 x 36W		1247 x 620 x 100
58364	HOUND2-258-EP, 2 x 58W		1569 x 310 x 100
58409	HOUND2-458-EP 4 x 58W		1569 x 620 x 100
- electronic ballast, M625			
59415	HOUND2-214-EP, 2 x 14W	T16/G5	620 x 620 x 100
59416	HOUND2-224-EP, 2 x 24W		620 x 620 x 100
59365	HOUND2-414-EP, 4 x 14W		620 x 620 x 100
59366	HOUND2-424-EP, 4x24W		620 x 620 x 100
059367	HOUND2-228-EP, 2x28W		1247 x 312 x 100
059368	HOUND2-254-EP, 2x54W		1247 x 312 x 100
059369	HOUND2-428-EP, 4x28W		1247 x 620 x 100
059370	HOUND2-454-EP, 4x54W		1247 x 620 x 100
- electronic ballast, M625			
58371	HOUND2-336-EP, 3x36W, 2G11	TC-L/2G11	620 x 620 x 100
58360	HOUND2-355-EP, 3x55W, 2G11		620 x 620 x 100





HOUND3

IP 65



Application: premises requiring the higher degree of protection (IP, into cleanrooms, laboratories, food industry). Design allows for easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet

MIRO – parabolic louvre from high polished aluminium sheet MIRO SILVER

Cover: tempered safety glass

Fastening: mounting into plasterboard by means of special brackets for plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

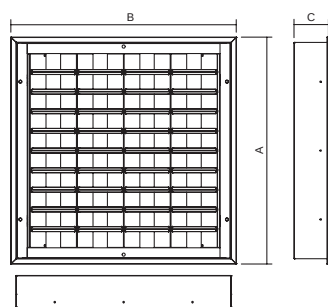
On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

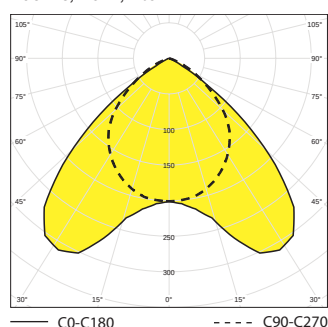
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

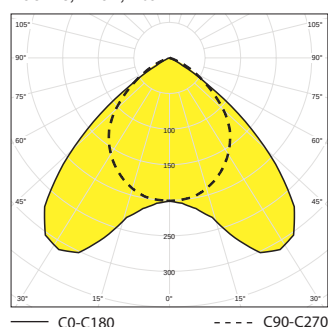
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



HOUND3, 4x54W, IP65



HOUND3, 4x18W, IP65



				
– electronic ballast, plasterboard				
058408	HOUND3-218-EP, 2x18W	T26/G13	660 x 310 x 100	295 x 645
058425	HOUND3-318-EP, 3x18W		660 x 655 x 100	640 x 645
058373	HOUND3-418-EP, 4x18W		660 x 655 x 100	640 x 645
058374	HOUND3-236-EP, 2x36W		1269 x 310 x 100	295 x 1255
058426	HOUND3-336-EP, 3x36W		1269 x 655 x 100	640 x 1255
058375	HOUND3-436-EP, 4x36W		1269 x 655 x 100	640 x 1255
058376	HOUND3-258-EP, 2x58W		1569 x 310 x 100	295 x 1555
058427	HOUND3-358-EP, 3x58W		1569 x 655 x 100	640 x 1555
058410	HOUND3-458-EP, 4x58W		1569 x 655 x 100	640 x 1555
– electronic ballast, plasterboard				
058428	HOUND3-314-EP, 3x14W	T16/G5	660 x 655 x 100	640 x 645
059377	HOUND3-414-EP, 4x14W		660 x 655 x 100	640 x 645
058429	HOUND3-324-EP, 3x24W		660 x 655 x 100	640 x 645
059378	HOUND3-424-EP, 4x24W		660 x 656 x 100	640 x 645
059379	HOUND3-228-EP, 2x28W		1269 x 310 x 100	295 x 645
058430	HOUND3-328-EP, 3x28W		1269 x 655 x 100	640 x 1255
059381	HOUND3-428-EP, 4x28W		1269 x 655 x 100	640 x 1255
059380	HOUND3-254-EP, 2x54W		1269 x 310 x 100	295 x 1255
058431	HOUND3-354-EP, 3x54W		1269 x 655 x 100	640 x 1255
059382	HOUND3-454-EP, 4x54W		1269 x 655 x 100	640 x 1255
– electronic ballast, plasterboard				
058383	HOUND3-336-EP, 3x36W, 2G11	TC-L/2G11	655 x 660 x 100	640 x 645
059384	HOUND3-355-EP, 3x55W, 2G11		655 x 660 x 100	640 x 645

– special equipment

051144 Set of brackets for plasterboard HOOVER3/HOUND3 3x/4x

051143 Set of brackets for plasterboard HOOVER3/HOUND3 1x/2x

* dimension of mounting hole



HOUND5, HOUND6

IP 65



Application: premises requiring higher degree protection (IP), into clean rooms, such as hospitals, laboratories, food industry. Light fixture allows for easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet

MIRO – parabolic louvre from high polished aluminium sheet MIRO SILVER

Cover: tempered safety glass

Fastening: mounting into metal ceilings modules 600 (HOUND5) or 625 (HOUND6) by means of special brackets for metal ceilings.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

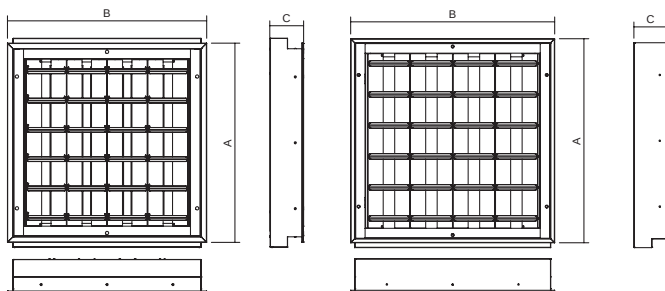
On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

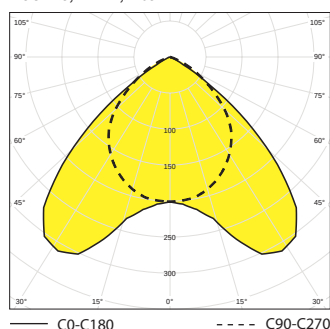
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

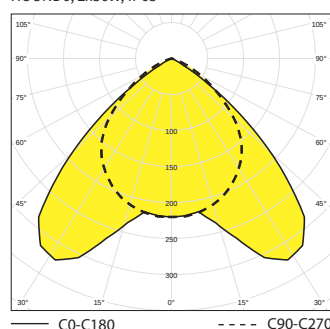
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



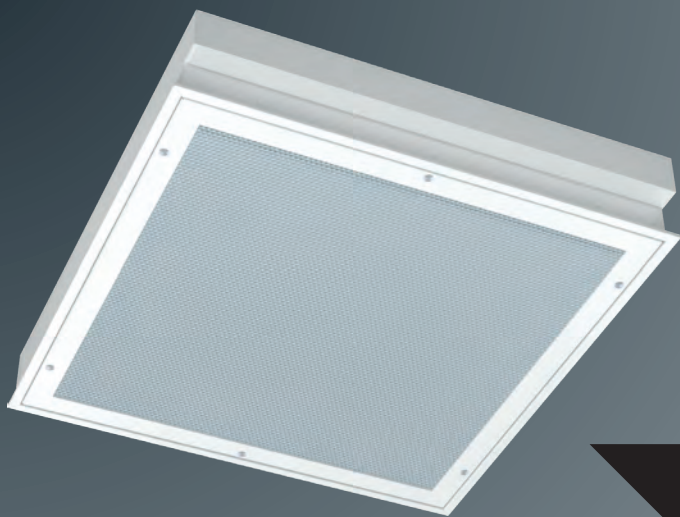
HOUND5, 4x14W, IP65



HOUND6, 2x36W, IP65



			
- electronic ballast			
057900	HOUND5-218-EP, 2x18W	T26/G13	598 x 298 x 100
057901	HOUND5-318-EP, 3x18W		598 x 598 x 100
057902	HOUND5-418-EP, 4x18W		598 x 598 x 100
057903	HOUND5-236-EP, 2x36W		1198 x 298 x 100
057904	HOUND5-336-EP, 3x36W		1198 x 598 x 100
057905	HOUND5-436-EP, 4x36W		1198 x 598 x 100
- electronic ballast			
057906	HOUND5-214-EP, 2x14W	T16/G5	598 x 298 x 100
057914	HOUND5-314-EP, 3x14W		598 x 598 x 100
057908	HOUND5-414-EP, 4x14W		598 x 598 x 100
057907	HOUND5-224-EP, 4x24W		598 x 298 x 100
057915	HOUND5-324-EP, 3x24W		598 x 598 x 100
057909	HOUND5-424-EP, 4x24W		598 x 598 x 100
057910	HOUND5-228-EP, 2x28W		1198 x 298 x 100
057916	HOUND5-328-EP, 3x28W		1198 x 597 x 100
057912	HOUND5-428-EP, 4x28W		1198 x 598 x 100
057911	HOUND5-254-EP, 2x54W		1198 x 298 x 100
057917	HOUND5-354-EP, 3x54W		1198 x 597 x 100
057913	HOUND5-454-EP, 4x54W		1198 x 598 x 100
- electronic ballast			
057918	HOUND5-336-EP, 3x36W	TC-L/2G11	598 x 598 x 100
057919	HOUND5-355-EP, 3x55W		598 x 598 x 100
-electronic ballast, M625			
057920	HOUND6-218-EP, 2x18W	T26/G13	623 x 312 x 100
057921	HOUND6-318-EP, 3x18W		623 x 623 x 100
057922	HOUND6-418-EP, 4x18W		1247 x 312 x 100
057923	HOUND6-236-EP, 2x36W		1247 x 312 x 100
057924	HOUND6-336-EP, 3x36W		1247 x 623 x 100
057925	HOUND6-436-EP, 4x36W		1247 x 623 x 100
- electronic ballast, M625			
057926	HOUND6-214-EP, 2x14W	T16/G5	623 x 312 x 100
057927	HOUND6-224-EP, 2x24W		623 x 312 x 100
057928	HOUND6-414-EP, 4x14W		623 x 623 x 100
057929	HOUND6-424-EP, 4x24W		623 x 623 x 100
057930	HOUND6-228-EP, 2x28W		1247 x 312 x 100
057931	HOUND6-254-EP, 2x54W		1247 x 312 x 100
057932	HOUND6-428-EP, 4x28W		1247 x 623 x 100
057933	HOUND6-454-EP, 4x54W		1247 x 623 x 100
- electronic ballast, M625			
57938	HOUND6-336-EP, 3x36W, IP65, 2G11, M623	TC-L/2G11	623 x 623x100
57939	HOUND6-355-EP, 3x55W, IP65, 2G11, M623		623 x 623x100
- special equipment			
051154	Set of brackets for metal ceiling HOUND/HOUND 5/6		



HOOVER, HOOVER2

IP 65



Application: premises requiring the higher degree of protection (IP), into clean rooms, such as hospitals, laboratories, food industry. Light fixture designed allows for easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

Fastening: mounting into M600 or M625 panel false ceilings with visible holding racks. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

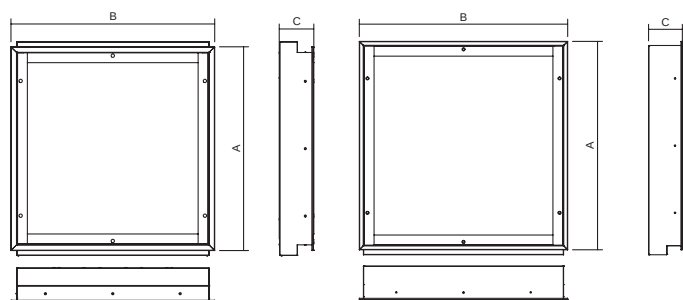
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

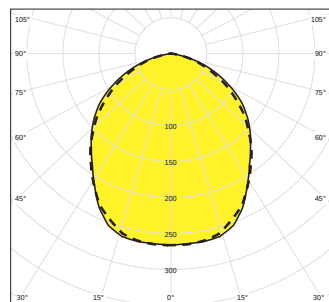
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: HOOVER – module 600, HOOVER2 – module 625



HOOVER, 4x18, IP65



— C0-C180 - - - - C90-C270

			
– electronic ballast, M600			
058278	HOOVER-218-EP, 2x18W	T26/G13	595 x 298 x 100
058280	HOOVER-418-EP, 4x18W		595 x 595 x 100
058282	HOOVER-236-EP, 2x36W		1197 x 298 x 100
058284	HOOVER-436-EP, 4x36W		1197 x 595 x 100
058286	HOOVER-258-EP, 2x58W		1497 x 298 x 100
058288	HOOVER-458-EP, 4x58W		1497 x 595 x 100
– electronic ballast, M600			
056138	HOOVER-214-EP, 4x14W	T16/G5	595 x 298 x 100
056139	HOOVER-224-EP, 4x24W		595 x 298 x 100
056100	HOOVER-414-EP, 4x14W		595 x 595 x 100
056101	HOOVER-424-EP, 4x24W		595 x 595 x 100
056102	HOOVER-228-EP, 2x28W		1197 x 298 x 100
056103	HOOVER-254-EP, 2x54W		1197 x 298 x 100
056104	HOOVER-428-EP, 4x28W	TC-L/2G11	1197 x 595 x 100
056105	HOOVER-454-EP, 4x54W		1197 x 595 x 100
– electronic ballast, M600			
058260	HOOVER-336-EP, 3x36W, 2G11	TC-L/2G11	595 x 595 x 100
058261	HOOVER-355-EP, 3x55W, 2G11		595 x 595 x 100

			
– electronic ballast, M625			
058302	HOOVER2-218-EP, 2x18W	T26/G13	620 x 312 x 100
058304	HOOVER2-418-EP, 4x18W		620 x 620 x 100
058306	HOOVER2-236-EP, 2x36W		1247 x 312 x 100
058308	HOOVER2-436-EP, 4x36W		1247 x 620 x 100
058310	HOOVER2-258-EP, 2x58W		1547 x 312 x 100
058312	HOOVER2-458-EP, 4x58W		1547 x 620 x 100
– electronic ballast, M625			
056140	HOOVER2-214-EP, 4x14W	T16/G5	620 x 312 x 100
056141	HOOVER2-224-EP, 4x24W		620 x 312 x 100
056110	HOOVER2-414-EP, 4x14W		620 x 620 x 100
056111	HOOVER2-424-EP, 4x24W		620 x 620 x 100
056112	HOOVER2-228-EP, 2x28W		1247 x 312 x 100
056113	HOOVER2-254-EP, 2x54W		1247 x 312 x 100
056114	HOOVER2-428-EP, 4x28W	TC-L/2G11	1247 x 620 x 100
056115	HOOVER2-454-EP, 4x54W		1247 x 620 x 100
– electronic ballast, M625			
058262	HOOVER2-336-EP, 3x36W, 2G11	TC-L/2G11	620 x 620 x 100
058263	HOOVER2-355-EP, 3x55W, 2G11		620 x 620 x 100

HOOVER3

IP 65



Application: premises requiring the higher degree of protection (IP), into clean rooms, such as hospitals, laboratories, food industry. Light fixture designed allows for easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

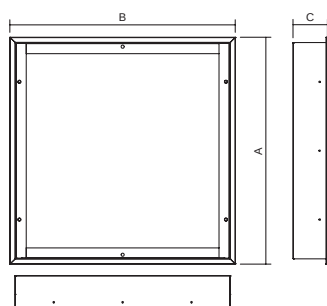
Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass
OP – optical opal plexiglass

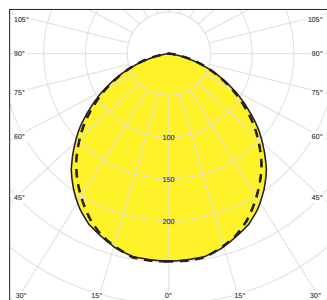
Fastening: mounting into plasterboard by means of special brackets for plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

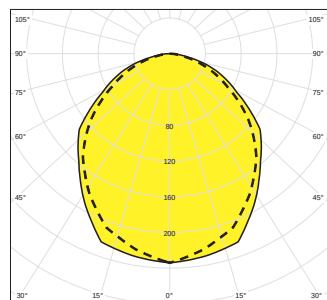
On request: **Em** – non-maintained emergency lighting (1h, 3h)
MULTI – maintained emergency lighting (1h, 3h)
DIM – dimmable electronic ballast (DSI, DALI)
RAL – another colour finish
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



HOOVER3, 4x18W, IP65 (opal plexi glass)

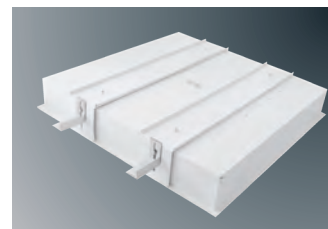


HOOVER3, 4x18, IP65



			AxBxC (mm)	AxB* (mm)
– electronic ballast, plasterboard				
058326	HOOVER3-218-EP, 2 x 18W	T26/G13	660 x 310 x 100	295 x 645
058327	HOOVER3-318-EP, 3 x 18W		660 x 655 x 100	640 x 645
058328	HOOVER3-418-EP, 4 x 18W		660 x 655 x 100	640 x 645
058330	HOOVER3-236-EP, 2 x 36W		1269 x 310 x 100	295 x 1255
058331	HOOVER3-336-EP, 3 x 36W		1269 x 655 x 100	640 x 1255
058332	HOOVER3-436-EP, 4 x 36W		1269 x 655 x 100	640 x 1255
058334	HOOVER3-258-EP, 2 x 58W		1569 x 310 x 100	295 x 1555
058335	HOOVER3-358-EP, 3 x 58W		1569 x 655 x 100	640 x 1555
058336	HOOVER3-458-EP, 4 x 58W		1569 x 655 x 100	640 x 1555
– electronic ballast, plasterboard				
056126	HOOVER3-214-EP, 2 x 14W	T16/G5	660 x 310 x 100	295 x 645
056127	HOOVER3-224-EP, 2 x 24W		660 x 310 x 100	295 x 645
056116	HOOVER3-314-EP, 3 x 14W		660 x 655 x 100	640 x 645
056117	HOOVER3-324-EP, 3 x 24W		660 x 656 x 100	640 x 645
056120	HOOVER3-414-EP, 4 x 14W		660 x 656 x 100	640 x 645
056121	HOOVER3-424-EP, 4 x 24W		660 x 656 x 100	640 x 645
056122	HOOVER3-228-EP, 2 x 28W		1269 x 310 x 100	295 x 1255
056118	HOOVER3-328-EP, 3 x 28W		1269 x 655 x 100	640 x 1255
056124	HOOVER3-428-EP, 4 x 28W		1269 x 655 x 100	640 x 1255
056123	HOOVER3-254-EP, 2 x 54W		1269 x 310 x 100	295 x 1255
056119	HOOVER3-354-EP, 3 x 54W	TC-L/2G11	1269 x 655 x 100	640 x 1255
056125	HOOVER3-454-EP, 4 x 54W		1269 x 655 x 100	640 x 1255
058264	HOOVER3-336-EP, 3 x 36W	TC-L/2G11	660 x 655 x 100	640 x 645
052865	HOOVER3-355-EP, 3 x 55W		660 x 655 x 100	640 x 645
– special equipment				
051144	Set of brackets for plasterboard HOOVER3/HOOND3 3x/4x			
051143	Set of brackets for plasterboard HOOVER3/HOOND3 1x/2x			

* dimensions of mounting hole for HOOVER3 luminaires





HOOVER5, HOOVER6

IP 65



Application: premises requiring the higher degree of protection (IP), into clean rooms, such as hospitals, laboratories, food industry. Light fixture design allows for easy maintenance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PX – optical prismatic plexiglass

OP – optical opal plexiglass

Fastening: mounting into metal ceilings modules 600 (HOOVER5) or 625 (HOOVER6) by means of special brackets for metal ceilings.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

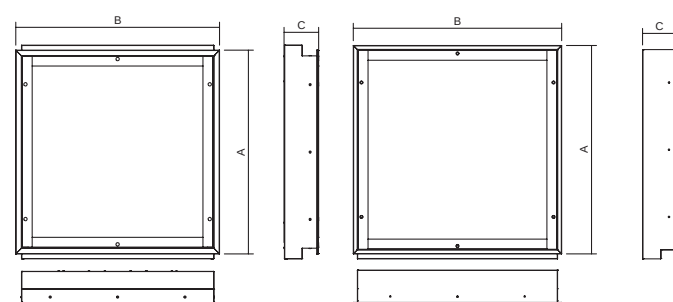
On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

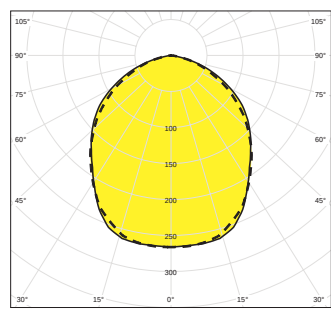
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

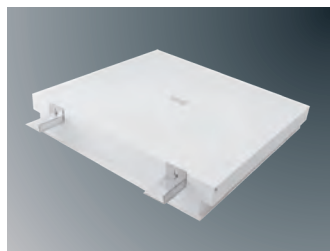
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



HOOVER5, 4x36W, IP65



— C0-C180 - - - - C90-C270



				AbxC (mm)
– electronic ballast				
057950	HOOVER5-218-EP, 2x18W	T26/G13		598 x 298 x 100
057951	HOOVER5-318-EP, 3x18W			598 x 598 x 100
057952	HOOVER5-418-EP, 4x18W			598 x 599 x 100
057953	HOOVER5-236-EP, 2x36W			1198 x 298 x 100
057954	HOOVER5-336-EP, 3x36W			1198 x 598 x 100
057955	HOOVER5-436-EP, 4x36W			1198 x 598 x 100
– electronic ballast				
057956	HOOVER5-214-EP, 2x14W	T16/G5		598 x 298 x 100
057964	HOOVER5-314-EP, 3x14W			598 x 598 x 100
057958	HOOVER5-414-EP, 4x14W			598 x 598 x 100
057957	HOOVER5-224-EP, 2x24W			598 x 298 x 100
057965	HOOVER5-324-EP, 3x24W			598 x 598 x 100
057959	HOOVER5-424-EP, 4x24W			598 x 598 x 100
057960	HOOVER5-228-EP, 2x28W			1198 x 298 x 100
057966	HOOVER5-328-EP, 3x28W			1198 x 598 x 100
057962	HOOVER5-428-EP, 4x28W			1198 x 598 x 100
057961	HOOVER5-254-EP, 2x54W			1198 x 298 x 100
057967	HOOVER5-354-EP, 3x54W			1198 x 598 x 100
057963	HOOVER5-454-EP, 4x54W			1198 x 598 x 100
– electronic ballast				
057968	HOOVER5-336-EP, 3x36W	TC-L/2G11		598 x 598 x 100
057969	HOOVER5-355-EP, 3x55W			598 x 598 x 100
– electronic ballast				
057970	HOOVER6-218-EP, 2x18W	T26/G13		623 x 312 x 100
057971	HOOVER6-318-EP, 3x18W			623 x 623 x 100
057972	HOOVER6-418-EP, 4x18W			623 x 623 x 100
057973	HOOVER6-236-EP, 2x36W			1247 x 312 x 100
057974	HOOVER6-336-EP, 3x36W			1247 x 623 x 100
057975	HOOVER6-436-EP, 4x36W			1247 x 623 x 100
– electronic ballast				
057976	HOOVER6-214-EP, 2x14W	T16/G5		623 x 312 x 100
057984	HOOVER6-314-EP, 3x14W			623 x 623 x 100
057978	HOOVER6-414-EP, 4x14W			623 x 623 x 100
057977	HOOVER6-224-EP, 4x24W			623 x 312 x 100
057985	HOOVER6-324-EP, 3x24W			623 x 623 x 100
057979	HOOVER6-424-EP, 4x24W			623 x 623 x 100
057980	HOOVER6-228-EP, 2x28W			1247 x 312 x 100
057986	HOOVER6-328-EP, 3x28W			1247 x 623 x 100
057982	HOOVER6-428-EP, 4x28W			1247 x 623 x 100
057981	HOOVER6-254-EP, 2x54W			1247 x 312 x 100
057987	HOOVER6-354-EP, 3x54W			1247 x 623 x 100
057983	HOOVER6-454-EP, 4x54W			1247 x 623 x 100
– electronic ballast				
057988	HOOVER6-336-EP, 3x36W	TC-L/2G11		623 x 623 x 100
057989	HOOVER6-355-EP, 3x55W			623 x 623 x 100
– special equipment				
051154	Set of brackets for metal ceiling HOOVER/HOOND 5/6			

VERTIGO65

IP 65



Application: premises requiring the higher degree protection (IP), into clean rooms, such as hospitals, laboratories, food industry. Light fixture design allows for easy maintenance. Light fixture is characterized by a very pleasant light thanks to a folder of indirect emissions.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Reflector, louvre: WR – white painted reflector

MAT – matt reflector

MAT+MR – matt reflector + parabolic louvre from high polished aluminium sheet

Cover: tempered safety glass

Fastening: mounting into M600 or M625 panel false ceilings with visible holding racks and plasterboard. Minimum height of ceiling free cavity is 200 mm.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

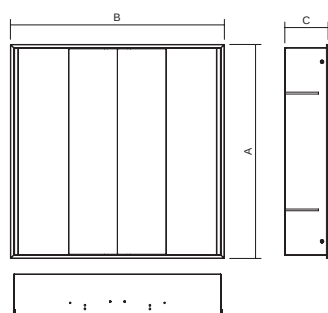
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

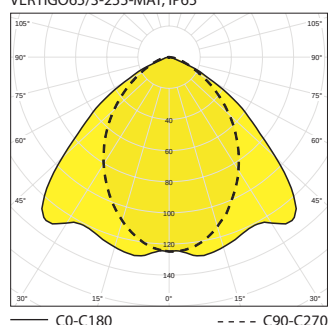
PC COVER – made from PC (polycarbonate)

Marking: VERTIGO65/3 – module 600, VERTIGO652 – module 625, VERTIGO653 – plasterboard

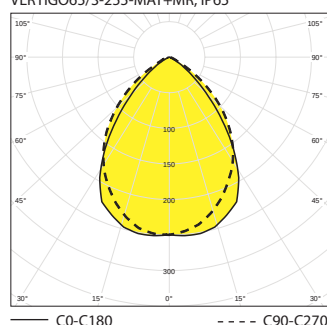
			
– electronic ballast			
059804	VERTIGO65/3-136-WR-EP, 1x36W	TC-L/2G11	596 x 596 x 120
059805	VERTIGO65/3-236-WR-EP, 2x36W		596 x 596 x 120
059806	VERTIGO65/3-136-MAT-EP, 1x36W		596 x 596 x 120
059807	VERTIGO65/3-236-MAT-EP, 2x36W		596 x 596 x 120
059808	VERTIGO65/3-155-WR-EP, 1x55W		596 x 596 x 120
059809	VERTIGO65/3-255-WR-EP, 2x55W		596 x 596 x 120
059810	VERTIGO65/3-155-MAT-EP, 1x55W		596 x 596 x 120
059811	VERTIGO65/3-255-MAT-EP, 2x55W		596 x 596 x 120
059812	VERTIGO65/3-214-MAT+MR-EP	T16/G5	596 x 596 x 120
059813	VERTIGO65/3-224-MAT+MR-EP		596 x 596 x 120
– electronic ballast			
059824	VERTIGO652/3-136-WR-EP, 1x36W	TC-L/2G11	620 x 620 x 120
059825	VERTIGO652/3-236-WR-EP, 2x36W		620 x 620 x 120
059826	VERTIGO652/3-136-MAT-EP, 1x36W		620 x 620 x 120
059827	VERTIGO652/3-236-MAT-EP, 2x36W		620 x 620 x 120
059828	VERTIGO652/3-155-WR-EP, 1x55W		620 x 620 x 120
059829	VERTIGO652/3-255-WR-EP, 2x55W		620 x 620 x 120
059830	VERTIGO652/3-155-MAT-EP, 1x55W		620 x 620 x 120
059831	VERTIGO652/3-255-MAT-EP, 2x55W		620 x 620 x 120
059832	VERTIGO652/3-214-MAT+MR-EP	T16/G5	620 x 620 x 120
059833	VERTIGO652/3-224-MAT+MR-EP		620 x 620 x 120
– special equipment			
051138	Set of brackets BALOT2/3 / VERTIGO / BARBET		



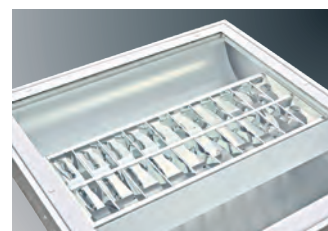
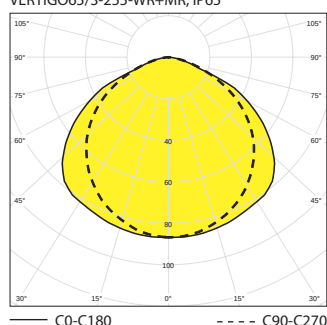
VERTIGO65/3-255-MAT, IP65

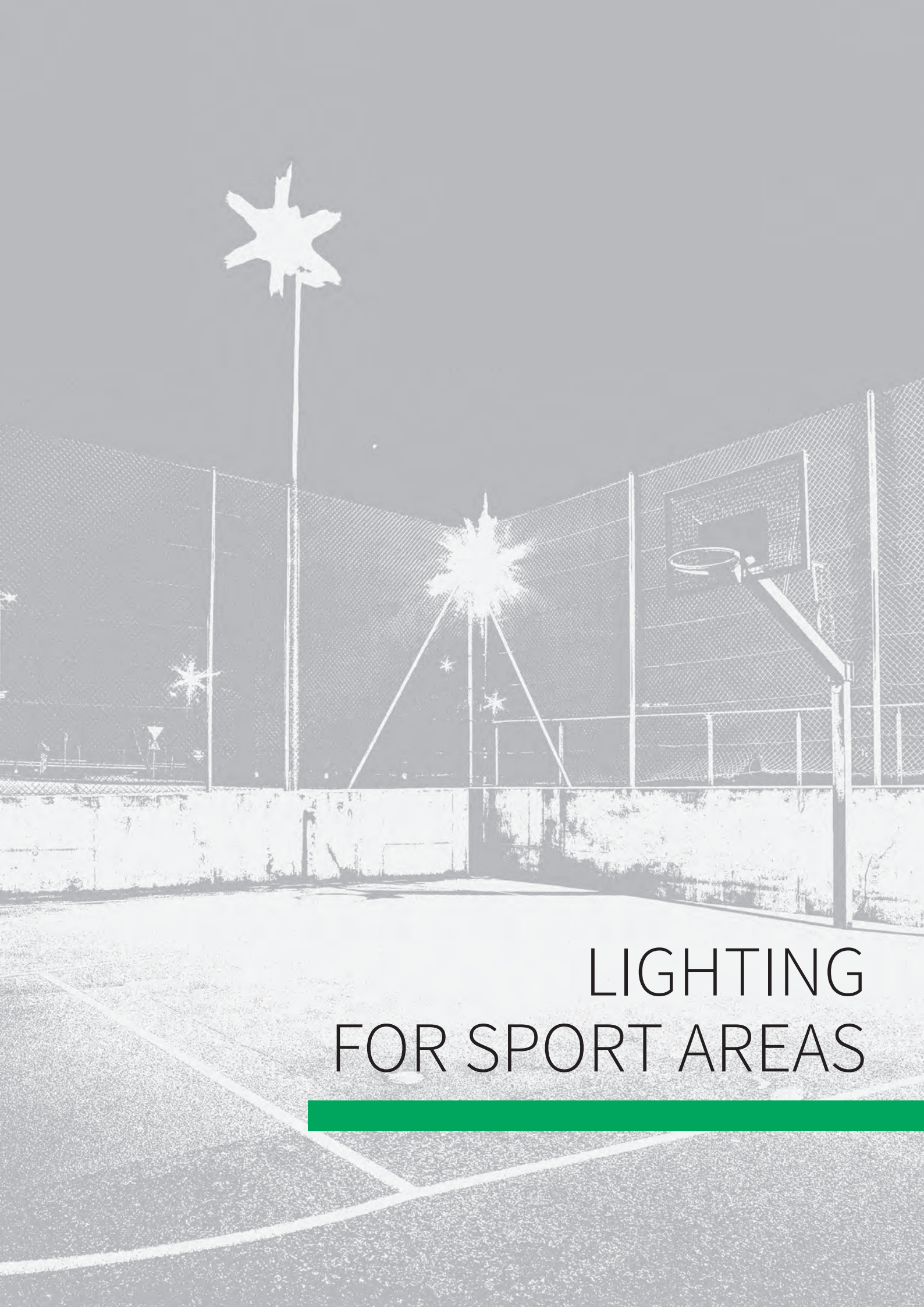


VERTIGO65/3-255-MAT+MR, IP65



VERTIGO65/3-255-WR+MR, IP65





LIGHTING FOR SPORT AREAS

FALCON-SPORT-LED

IP 43



Application: sports halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Cover: PC – polycarbonate cover

Fastening: direct mounting on the ceiling lighted area

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

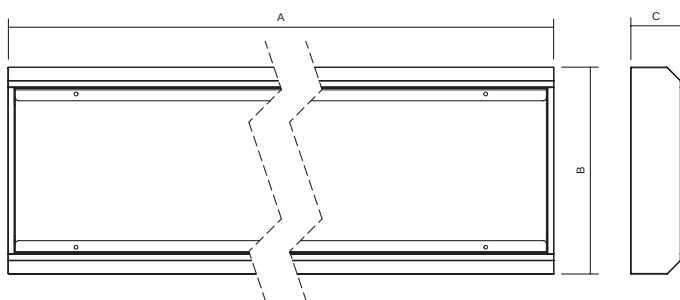
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

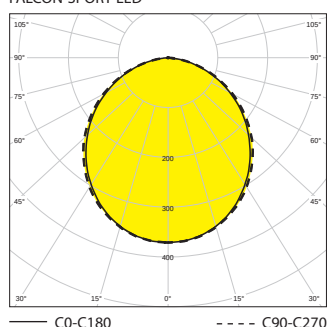
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		Tc/K	(lm)*	(W)**	AsBxC (mm)
051490	FALCON-SPORT-LED-12000-4K, IP43	4000K	7800	112	1496 x 355 x 74
051484	FALCON-SPORT-LED-9750-4K, IP43	4000K	6337	85	1496 x 355 x 74
051488	FALCON-SPORT-LED-8000-4K, IP43	4000K	5200	75	1008 x 355 x 74
051482	FALCON-SPORT-LED-6500-4K, IP43	4000K	4225	58	1008 x 355 x 74

(lm)* - luminous flux, (W)** - input power



FALCON-SPORT-LED





FALCON-SPORT

IP 43



Application: sports halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: BAP – parabolic louvre from high polished aluminium sheet
AR – longitudinal blades from high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet

Cover: PC – polycarbonate cover

Fastening: direct mounting on the ceiling lighted area

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

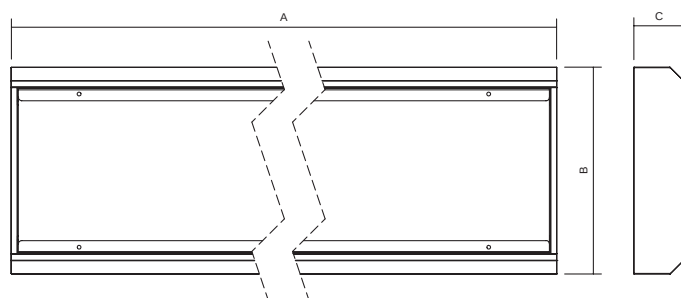
On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

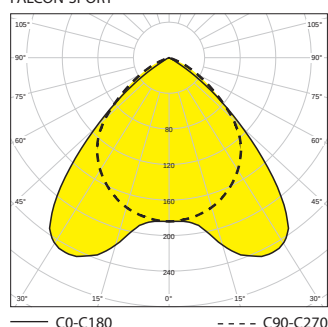
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

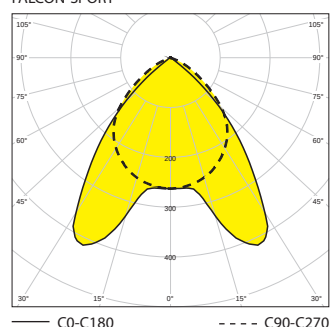
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FALCON-SPORT



FALCON-SPORT



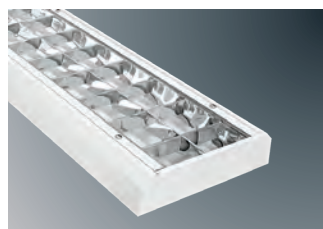
Icon	Icon	Icon	Icon
- electronic ballast, parabolic louvre			
051380	FALCON-SPORT-136-BAP-EP, 1x36W	T26/G13	1262 x 175 x 72
051381	FALCON-SPORT-236-BAP-EP, 2x36W		1262 x 265 x 72
051382	FALCON-SPORT-158-BAP-EP, 1x58W		1562 x 175 x 72
051383	FALCON-SPORT-258-BAP-EP, 2x58W		1562 x 265 x 72

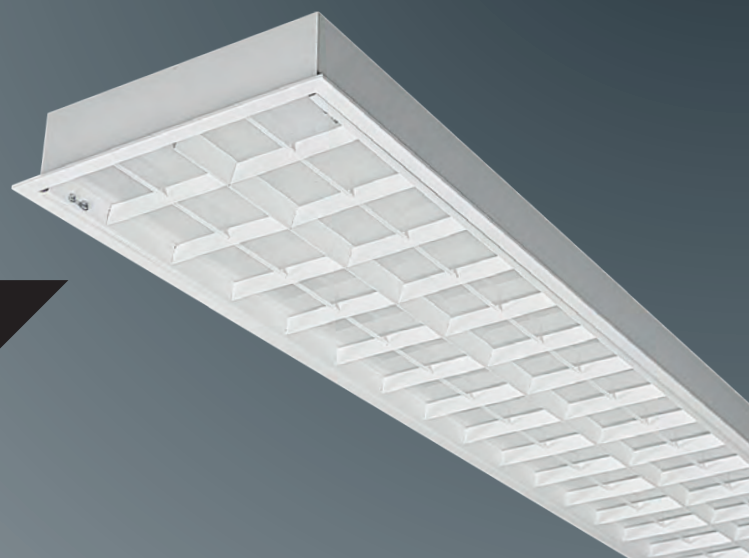
Icon	Icon	Icon	Icon
- electronic ballast, linear louvre			
051390	FALCON-SPORT-136-AR-EP, 1x36W	T16/G5	1262 x 175 x 72
051391	FALCON-SPORT-236-AR-EP, 2x36W		1262 x 265 x 72
051392	FALCON-SPORT-158-AR-EP, 1x58W		1562 x 175 x 72
051393	FALCON-SPORT-258-AR-EP, 2x58W		1562 x 265 x 72

Icon	Icon	Icon	Icon
- electronic ballast, parabolic louvre			
051379	FALCON-SPORT-128-BAP-EP, 1x28W	T16/G5	1262 x 175 x 72
051388	FALCON-SPORT-228-BAP-EP, 2x28W		1262 x 265 x 72
051384	FALCON-SPORT-154-BAP-EP, 1x54W		1262 x 175 x 72
051385	FALCON-SPORT-254-BAP-EP, 2x54W		1262 x 265 x 72
051375	FALCON-SPORT-135-BAP-EP, 2x35W		1562 x 175 x 72
051376	FALCON-SPORT-235-BAP-EP, 2x35W		1562 x 265 x 72
051377	FALCON-SPORT-149-BAP-EP, 2x49W		1562 x 175 x 72
051378	FALCON-SPORT-249-BAP-EP, 2x49W		1562 x 265 x 72
051386	FALCON-SPORT-180-BAP-EP, 1x80W		1562 x 175 x 72
051387	FALCON-SPORT-280-BAP-EP, 2x80W		1562 x 265 x 72

Icon	Icon	Icon	Icon
- electronic ballast, linear louvre			
051373	FALCON-SPORT-128-AR-EP, 1x28W	T16/G5	1262 x 175 x 72
051374	FALCON-SPORT-228-AR-EP, 2x28W		1262 x 265 x 72
051394	FALCON-SPORT-154-AR-EP, 1x54W		1262 x 175 x 72
051395	FALCON-SPORT-254-AR-EP, 2x54W		1262 x 265 x 72
051369	FALCON-SPORT-135-AR-EP, 2x35W		1562 x 175 x 72
051370	FALCON-SPORT-235-AR-EP, 2x35W		1562 x 265 x 72
051371	FALCON-SPORT-149-AR-EP, 2x49W		1562 x 175 x 72
051372	FALCON-SPORT-249-AR-EP, 2x49W		1562 x 265 x 72
051396	FALCON-SPORT-180-AR-EP, 1x80W		1562 x 175 x 72
051397	FALCON-SPORT-280-AR-EP, 2x80W		1562 x 265 x 72

- special equipment			
051136	Tube suspender FALCON 2x (2 pcs) l=600 mm		
051140	Tube suspender FALCON 1x (2 pcs) 60 cm		
120000	Cable suspender 2 m (1 pc) -Y		
051155	Ceiling cap with transparent cable 3x1,5 mm ² (2m)		





BALOT-SPORT-LED

IP 43



Application: sports halls, gyms and area with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: PC OP – polycarbonate cover

Fastening: mounting into plasterboard and module 600 or 625 panel false ceilings with visible holding racks. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

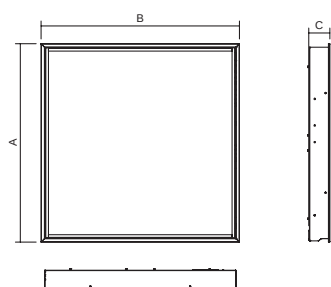
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

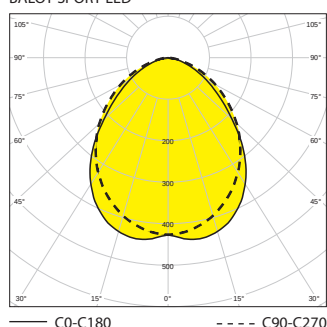
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		Tc/K	(lm)*	(W)**	AsBxC (mm)
051461	BALOT-SPORT-LED-3550-4K	4000	2662	22	1197x195x100
051463	BALOT-SPORT-LED-4850-4K	4000	3637	32	1197x195x100
051465	BALOT-SPORT-LED-7100-4K	4000	5325	44	1197x298x100
051467	BALOT-SPORT-LED-9700-4K	4000	7275	63	1197x298x100
051469	BALOT-SPORT-LED-4400-4K	4000	3300	28	1497x195x100
051471	BALOT-SPORT-LED-6050-4K	4000	4537	40	1497x195x100
051473	BALOT-SPORT-LED-8850-4k	4000	6637	56	1497x298x100
051475	BALOT-SPORT-LED-12100-4K	4000	9075	81	1497x298x100

(lm)* - luminous flux, (W)** - input power



BALOT-SPORT-LED





BALOT-SPORT

IP 43



Application: sports hallas, gyms and area with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: AR – longitudinal blades from high polished aluminium sheet, transverse blades from profiled tarnished aluminium sheet
BAP – parabolic louvre from high polished aluminium sheet

Cover: PC – polycarbonate cover

Fastening: mounting into plasterboard and module 600 or 625 panel false ceilings with visible holding racks. Minimum height of ceiling free cavity is 200 mm.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

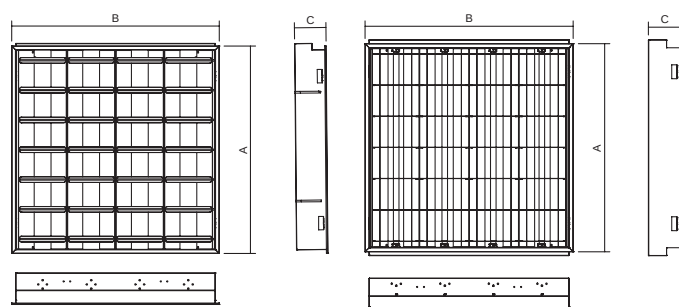
On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

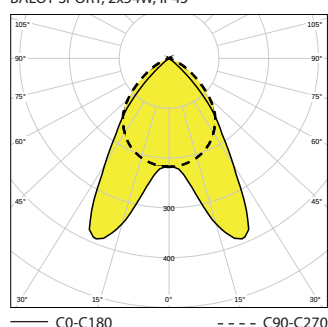
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



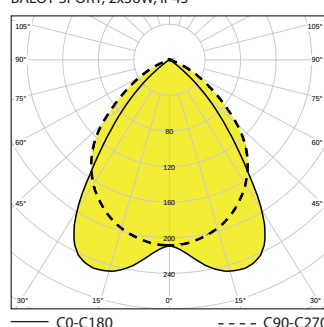
BALOT-SPORT, 2x54W, IP43



— C0-C180

--- C90-C270

BALOT-SPORT, 2x36W, IP43



— C0-C180

--- C90-C270

– electronic ballast, M 600 x 600, parabolic louvre					
051400	BALOT-SPORT-136-BAP-EP, 1x36W	T26/G13		1197x195X100	
051401	BALOT-SPORT-236-BAP-EP, 2x36W			1197x298X100	
051402	BALOT-SPORT-158-BAP-EP, 1x58W			1497x195x100	
051403	BALOT-SPORT-258-BAP-EP, 2x58W			1497x298x100	
051404	BALOT-SPORT-154-BAP-EP, 1x54W	T16/G5		1197x195X100	
051405	BALOT-SPORT-254-BAP-EP, 2x54W			1197x298X100	
051406	BALOT-SPORT-180-BAP-EP, 1x80W			1497x195x100	
051407	BALOT-SPORT-280-BAP-EP, 2x80W			1497x298x100	
– electronic ballast, M 600 x 600, linear louvre					
051410	BALOT-SPORT-136-AR-EP, 1x36W	T26/G13		1197x195X100	
051411	BALOT-SPORT-236-AR-EP, 2x36W			1197x298X100	
051412	BALOT-SPORT-158-AR-EP, 1x58W			1497x195x100	
051413	BALOT-SPORT-258-AR-EP, 2x58W			1497x298x100	
051414	BALOT-SPORT-154-AR-EP, 1x54W	T16/G5		1197x195X100	
051415	BALOT-SPORT-254-AR-EP, 2x54W			1197x298X100	
051416	BALOT-SPORT-180-AR-EP, 1x80W			1497x195x100	
051417	BALOT-SPORT-280-AR-EP, 2x80W			1497x298x100	
– electronic ballast, M 625 x 625, parabolic louvre					
051420	BALOT2-SPORT-136-BAP-EP, 1x36W	T26/G13		1247 x 197 x 100	
051421	BALOT2-SPORT-236-BAP-EP, 2x36W			1247 x 312 x 100	
051422	BALOT2-SPORT-158-BAP-EP, 1x58W			1547 x 197 x 100	
051423	BALOT2-SPORT-258-BAP-EP, 2x58W			1547 x 312 x 100	
051424	BALOT2-SPORT-154-BAP-EP, 1x54W	T16/G5		1247 x 197 x 100	
051425	BALOT2-SPORT-254-BAP-EP, 2x54W			1247 x 312 x 100	
051426	BALOT2-SPORT-180-BAP-EP, 1x80W			1547 x 197 x 100	
051427	BALOT2-SPORT-280-BAP-EP, 2x80W			1547 x 312 x 100	
– electronic ballast, M 625 x 625, linear louvre					
051430	BALOT2-SPORT-136-AR-EP, 1x36W	T26/G13		1247 x 197 x 100	
051431	BALOT2-SPORT-236-AR-EP, 2x36W			1247 x 312 x 100	
051432	BALOT2-SPORT-158-AR-EP, 1x58W			1547 x 197 x 100	
051433	BALOT2-SPORT-258-AR-EP, 2x58W			1547 x 312 x 100	
051434	BALOT2-SPORT-154-AR-EP, 1x54W	T16/G5		1247 x 197 x 100	
051435	BALOT2-SPORT-254-AR-EP, 2x54W			1247 x 312 x 100	
051436	BALOT2-SPORT-180-AR-EP, 1x80W			1547 x 197 x 100	
051437	BALOT2-SPORT-280-AR-EP, 2x80W			1547 x 312 x 100	
– electronic ballast, plasterboard, parabolic louvre					
051440	BALOT3-SPORT-136-BAP-EP, 1x36W	T26/G13		1269 x 196 x 100	1255 x 195
051441	BALOT3-SPORT-236-BAP-EP, 2x36W			1269 x 310 x 100	1255 x 295
051442	BALOT3-SPORT-158-BAP-EP, 1x58W			1569 x 196 x 100	1555 x 195
051443	BALOT3-SPORT-258-BAP-EP, 2x58W			1569 x 196 x 100	1555 x 195
051444	BALOT3-SPORT-154-BAP-EP, 1x54W	T16/G5		1269 x 196 x 100	1255 x 195
051445	BALOT3-SPORT-254-BAP-EP, 2x54W			1269 x 310 x 100	1255 x 295
051446	BALOT3-SPORT-180-BAP-EP, 1x80W			1569 x 196 x 100	1555 x 195
051447	BALOT3-SPORT-280-BAP-EP, 2x80W			1569 x 310 x 100	1555 x 295
–electronic ballast, plasterboard, linear louvre					
051450	BALOT3-SPORT-136-AR-EP, 1x36W	T26/G13		1269 x 196 x 100	1255 x 195
051451	BALOT3-SPORT-236-AR-EP, 2x36W			1269 x 310 x 100	1255 x 295
051452	BALOT3-SPORT-158-AR-EP, 1x58W			1569 x 196 x 100	1555 x 195
051453	BALOT3-SPORT-258-AR-EP, 2x58W			1569 x 310 x 100	1555 x 295
051454	BALOT3-SPORT-154-AR-EP, 1x54W	T16/G5		1269 x 196 x 100	1255 x 195
051455	BALOT3-SPORT-254-AR-EP, 2x54W			1269 x 310 x 100	1255 x 295
051456	BALOT3-SPORT-180-AR-EP, 1x80W			1569 x 196 x 100	1555 x 195
051457	BALOT3-SPORT-280-AR-EP, 2x80W			1569 x 310 x 100	1555 x 295
– special equipment					
051143	set of brackets HOOVER3/HOUN3D 1x/051143 2x				

* dimension of mounting hole

FORK-LED

IP 23



Application: spots halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Louvre: WR – longitudinal and transverse blades from white painted sheet. Opal plexi glass cover is installed into a louvre for glare reduction and prevent the intrusion of foreign particles. Transverse blades are reinforced to increase louvre mechanical resistance. The louvre is secured against falling by shock.

Fastening: direct mounting on the ceiling lighted area

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

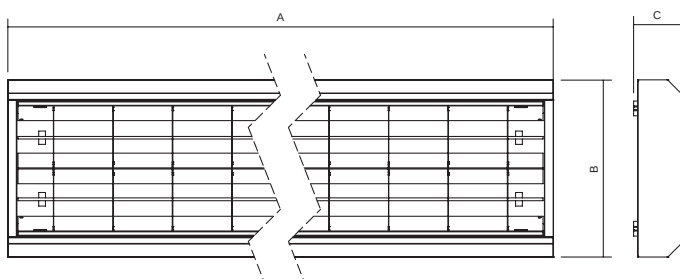
		TdA	(lm)*	(W)**	AsBxC (mm)
059840	FORK-LED-3400-3K	3000	2802	22	600 x 265 x 72
059841	FORK-LED-3550-4K	4000	2925	22	600 x 265 x 72
059842	FORK-LED-4600-3K	3000	3790	32	600 x 265 x 72
059843	FORK-LED-4850-4K	4000	3996	32	600 x 265 x 72

		TdA	(lm)*	(W)**	AsBxC (mm)
059844	FORK-LED-6750-3K	3000	5562	43	1160 x 265 x 72
059845	FORK-LED-7900-4K	4000	6510	43	1160 x 265 x 72
059846	FORK-LED-9200-3K	3000	7580	63	1160 x 265 x 72
059847	FORK-LED-9700-4K	4000	7993	63	1160 x 265 x 72

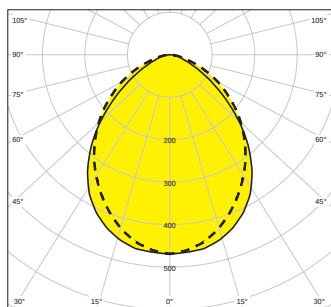
		TdA	(lm)*	(W)**	AsBxC (mm)
059848	FORK-LED-8450-3K	3000	6963	55	1440 x 265 x 72
059849	FORK-LED-8850-4K	4000	7292	55	1440 x 265 x 72
059850	FORK-LED-11500-3K	3000	9476	80	1440 x 265 x 72
059851	FORK-LED-12100-4K	4000	9970	80	1440 x 265 x 72

		TdA	(lm)*	(W)**	AsBxC (mm)
059852	FORK-LED-10200-3K	3000	8404	65	1160 x 360 x 72
059853	FORK-LED-10650-4K	4000	8776	65	1160 x 360 x 72
059854	FORK-LED-13800-3K	3000	11371	95	1160 x 360 x 72
059855	FORK-LED-14500-4K	4000	11947	95	1160 x 360 x 72

(lm)* - luminous flux, (W)** - input power



FORK-LED-4K, IP20





FORK

IP 23



Application: spots halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: WR – longitudinal and transverse blades from white painted sheet. Transverse blades are reinforced to increase mechanical resistance of louvre.

Varians: WR1 – one protective wire 4 mm in diameter above each lamp

WR3 – three protective wires 4 mm in diameter above each lamp

Fastening: direct mounting on the ceiling lighted area.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

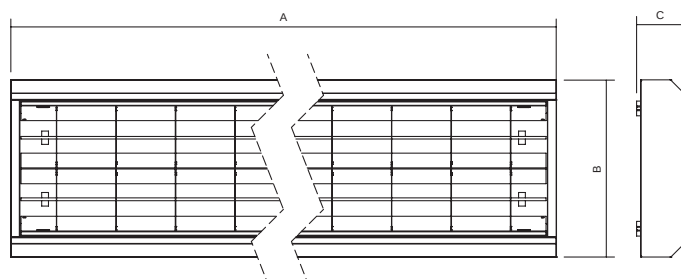
DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finish

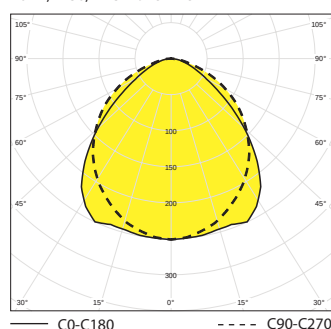
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AsB/C (mm)
– electronic ballast			
058241	FORK-136-WR1-EP, 1x36W	T16/G5	1262 x 175 x 72
058242	FORK-236-WR1-EP, 2x36W		1262 x 265 x 72
058243	FORK-336-WR1-EP, 3x36W		1262 x 335 x 72
058244	FORK-436-WR1-EP, 4x36W		1262 x 445 x 72
058245	FORK-158-WR1-EP, 1x58W		1562 x 175 x 72
058246	FORK-258-WR1-EP, 2x58W		1562 x 265 x 72
058247	FORK-358-WR1-EP, 3x58W		1562 x 355 x 72
058248	FORK-458-WR1-EP, 4x58W		1562 x 445 x 72

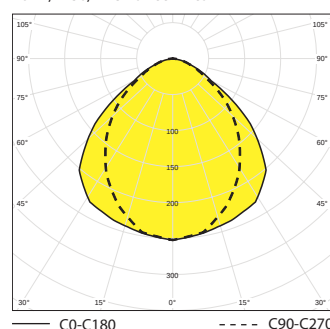
			AsB/C (mm)
– electronic ballast			
056050	FORK-228-WR1-EP, 2x28W	T16/G5	1262 x 265 x 72
056051	FORK-328-WR1-EP, 3x28W		1262 x 335 x 72
056052	FORK-428-WR1-EP, 4x28W		1262 x 445 x 72
056053	FORK-254-WR1-EP, 2x54W		1262 x 265 x 72
056054	FORK-354-WR1-EP, 3x54W		1262 x 335 x 72
056055	FORK-454-WR1-EP, 4x54W		1262 x 445 x 72
056056	FORK-235-WR1-EP, 2x35W		1562 x 265 x 72
056057	FORK-335-WR1-EP, 3x35W		1562 x 355 x 72
056058	FORK-435-WR1-EP, 4x35W		1562 x 445 x 72
056059	FORK-249-WR1-EP, 2x49W		1562 x 265 x 72
056060	FORK-349-WR1-EP, 3x49W		1562 x 355 x 72
056061	FORK-449-WR1-EP, 4x49W		1562 x 445 x 72
056062	FORK-280-WR1-EP, 2x80W		1562 x 265 x 72
056063	FORK-380-WR1-EP, 3x80W		1562 x 355 x 72
056064	FORK-480-WR1-EP, 4x80W		1562 x 445 x 72



FORK, 2x36, IP23 – one wire



FORK, 2x36, IP23 – three wires



GORDON

IP 20



Application: sports halls, gyms and areas with risk of direct physical damage.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metal sheet (RAL 9003)

Louvre: WR – longitudinal and transverse blades from white painted sheet. Transverse blades are reinforced to increase mechanical resistance of louvre.

Varians: WR1 – one protective wire 4 mm in diameter above each lamp

WR3 – three protective wires 4 mm in diameter above each lamp

Fastening: direct mounting on the ceiling lighted area.

Connection: screwless three-pole terminal block for easy installation, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

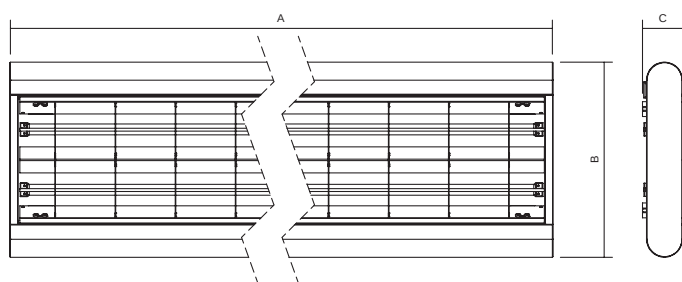
RAL – another colour finish

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

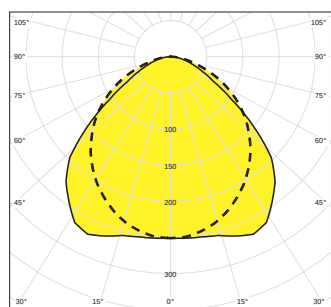
			AsB/C (mm)
- electronic ballast, one wire above each lamp			
057040	GORDON-228-WR1-EP,2x28W	T16/G5	1200 x 290 x 52
057041	GORDON-254-WR1-EP,2x54W		1200 x 290 x 52
057042	GORDON-235-WR1-EP,2x35W		1500 x 290 x 52
057043	GORDON-249-WR1-EP,2x49W		1500 x 290 x 52
057044	GORDON-280-WR1-EP,2x80W		1500 x 290 x 52

			AsB/C (mm)
- electronic ballast - three wires above each lamp			
057050	GORDON-228-WR3-EP,2x28W	T16/G5	1200 x 290 x 52
057051	GORDON-254-WR3-EP,2x54W		1200 x 290 x 52
057052	GORDON-235-WR3-EP,2x35W		1500 x 290 x 52
057053	GORDON-249-WR3-EP,2x49W		1500 x 290 x 52
057054	GORDON-280-WR3-EP,2x80W		1500 x 290 x 52

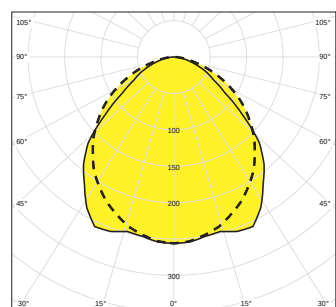
- special equipment			
120000	Cable suspender – Y, l = 2 m, (1 pc)		
051136	Tube suspender FALCON 1x, l = 600 mm, (2 pcs)		



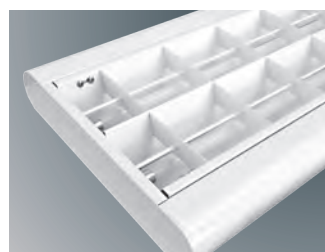
GORDON, 2x36, IP20 – one wire



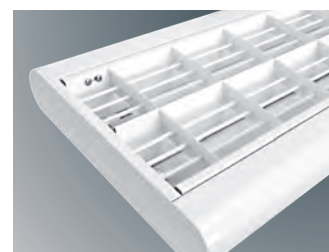
GORDON, 2x36, IP20 – three wires

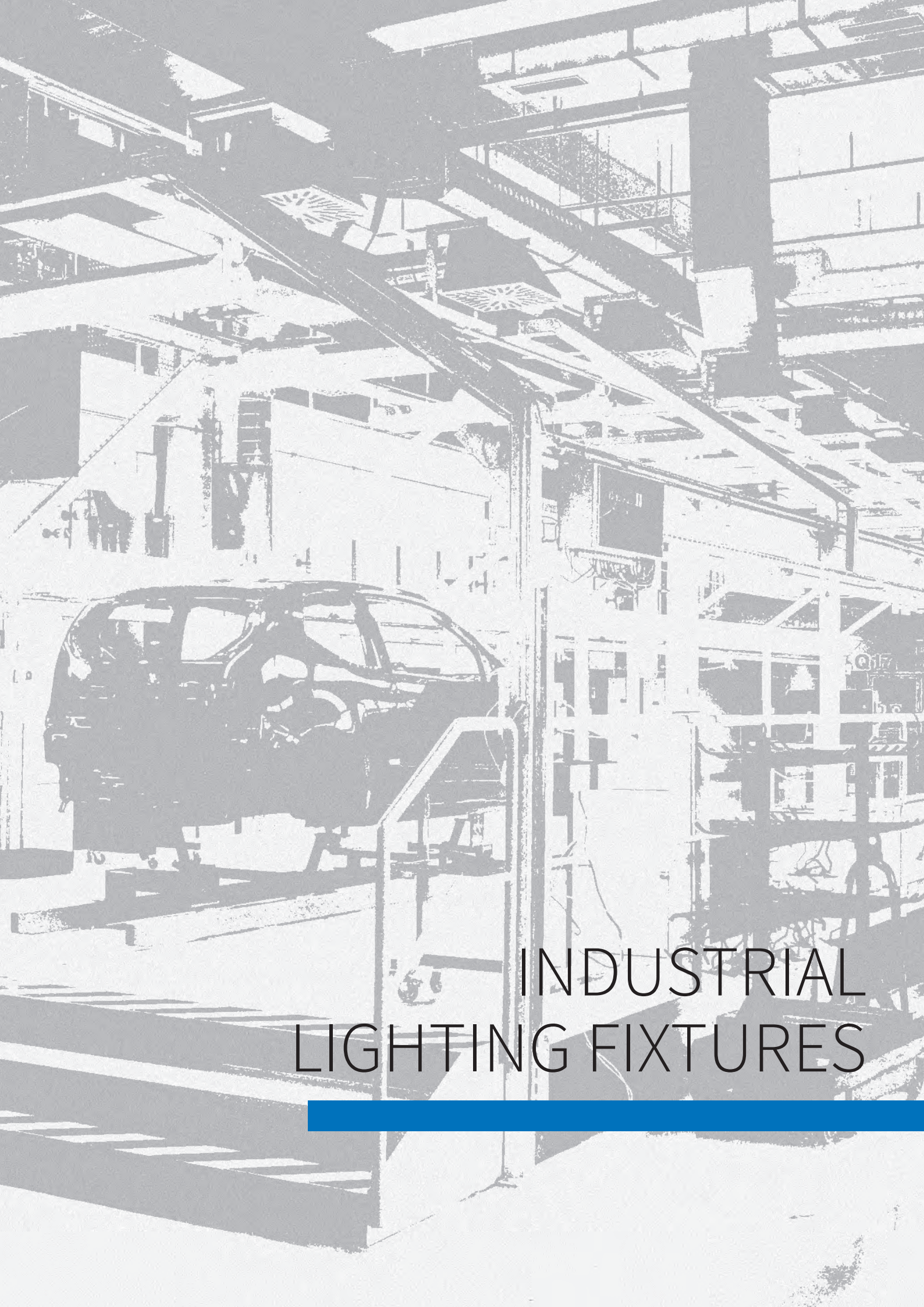


GORDON-WR1



GORDON-WR3





INDUSTRIAL LIGHTING FIXTURES



EUROPA-LED

IP 66



Application: workshops, garages, warehouses and manufacturing places.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Cover: opal plastic material PC (polycarbonate), chemical resistance

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel weire hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires (order additional cable gland)

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

		T _{col}	(lm)*	(W)**	AbdC (mm)
055376	EUROPA-LED-5000-218-4K	4000K	4375	37	670 x 152 x 102
055375	EUROPA-LED-2500-218-4K	4000K	2254	19	670 x 152 x 102
055374	EUROPA-LED-1250-118-4K	4000K	1147	10	670 x 152 x 102

		T _{col}	(lm)*	(W)**	AbdC (mm)
055377	EUROPA-LED-10000-236-4K	4000K	8750	73	1280 x 152 x 102
055372	EUROPA-LED-5100-236-4K	4000K	4434	38	1280 x 152 x 102
055373	EUROPA-LED-2600-136-4K	4000K	2247	18	1280 x 152 x 102

		T _{col}	(lm)*	(W)**	AbdC (mm)
055378	EUROPA-LED-12550-258-4K	4000K	11099	91	1580 x 152 x 102
055370	EUROPA-LED-7500-258-4K	4000K	6675	54	1580 x 152 x 102
055371	EUROPA-LED-3850-158-4K	4000K	3416	27	1580 x 152 x 102

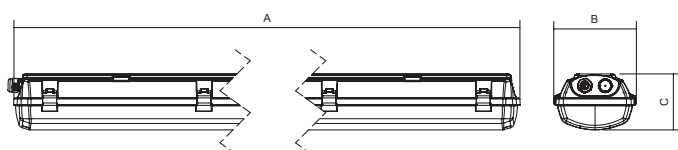
- special equipment

051131 cable suspender-EUROPA-2x (3m)

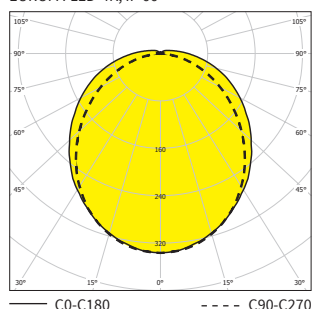
001721 wire suspender EUROPA

008029 cable gland PG 13,5 with nut, RAL 7004

(lm)* - luminous flux, (W)** - input power



EUROPA-LED-4K, IP 66



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE



EUROPA

IP 66



Application: workshops, cellars, garages, warehouses, public and manufacturing places.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Reflector: white painted metal sheet (RAL 9003)

Cover: plastic material PC (polycarbonate), transparent colour, chemical resistance

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

Standard equipment: 1 pc of cable gland, 2 pcs of fastening brackets, double clamp for power cables.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

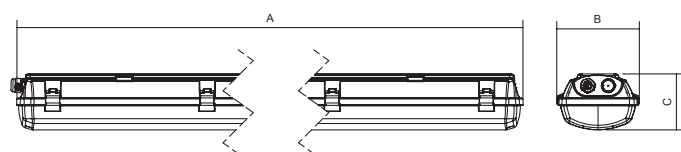
1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

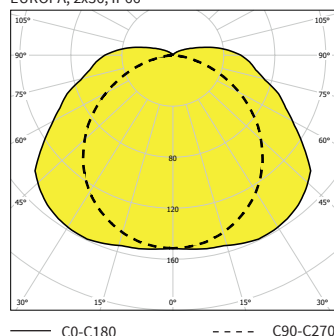
(hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

PAR – parabolic reflector (wide radiant)



EUROPA, 2x36, IP66



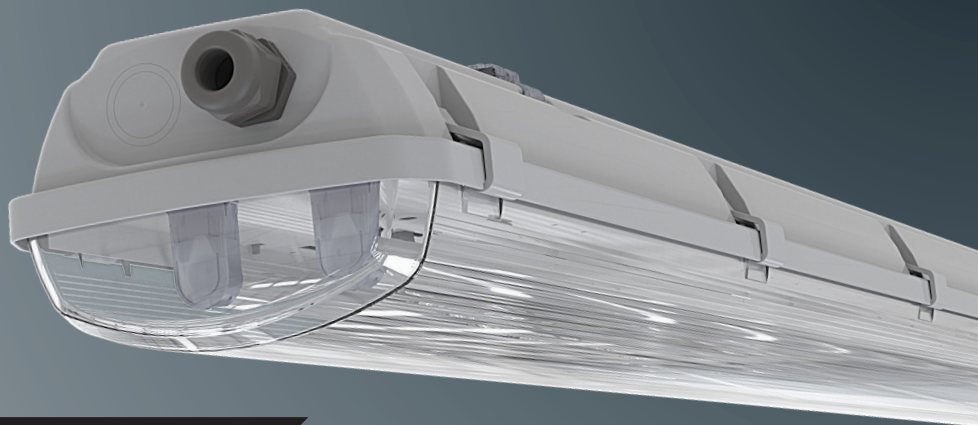
EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE

Code	Model	Dimensions (mm)
055300	EUROPA-PC-118-EP, 1x18W	670 x 152 x 102
055301	EUROPA-PC-218-EP, 2x18W	670 x 152 x 102
055302	EUROPA-PC-136-EP, 1x36W	1280 x 152 x 102
055303	EUROPA-PC-236-EP, 2x36W	1280 x 152 x 102
055304	EUROPA-PC-158-EP, 1x58W	1580 x 152 x 102
055305	EUROPA-PC-258-EP, 2x58W	1580 x 152 x 102

Code	Model	Dimensions (mm)
055320	EUROPA-PC-114-EP, 1x14W	670 x 152 x 102
055321	EUROPA-PC-124-EP, 1x24W	670 x 152 x 102
055322	EUROPA-PC-214-EP, 2x14W	670 x 152 x 102
055323	EUROPA-PC-224-EP, 2x24W	670 x 152 x 102
055324	EUROPA-PC-128-EP, 1x28W	1280 x 152 x 102
055325	EUROPA-PC-154-EP, 1x54W	1280 x 152 x 102
055326	EUROPA-PC-228-EP, 2x28W	1280 x 152 x 102
055327	EUROPA-PC-254-EP, 2x54W	1280 x 152 x 102
055328	EUROPA-PC-135-EP, 1x35W	1580 x 152 x 102
055329	EUROPA-PC-149-EP, 1x49W	1580 x 152 x 102
055330	EUROPA-PC-180-EP, 1x80W	1580 x 152 x 102
055331	EUROPA-PC-235-EP, 2x35W	1580 x 152 x 102
055332	EUROPA-PC-249-EP, 2x49W	1580 x 152 x 102
055333	EUROPA-PC-280-EP, 2x80W	1580 x 152 x 102

Code	Model
051131	Wire suspender 2x (2m)
001721	Steel wire hanger Europa
008029	Cable gland PG 13,5 with nut, RAL 7004
051180	through-wiring connection EUROPA 18W-1F
051181	through-wiring connection EUROPA 36W-1F
051182	through-wiring connection EUROPA 58W-1F
051183	through-wiring connection EUROPA 18W-3F
051184	through-wiring connection EUROPA 36W-3F
051185	through-wiring connection EUROPA 58W-3F





EUROPA-II

IP 66



Application: insulation class II, workshops, cellars, garages, warehouses, public and manufacturing places.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Cover: plastic material PC (polycarbonate), transparent colour, chemical resistance

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel weire hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

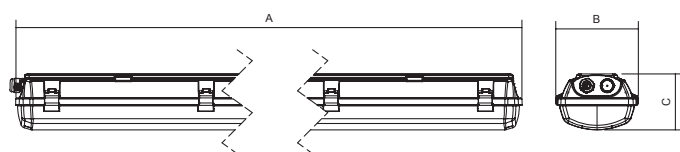
DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

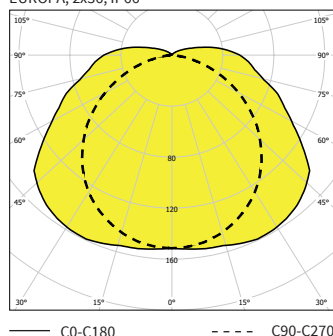
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

PAR – parabolic reflector (wide radiant)



EUROPA, 2x36, IP66



			Artic (mm)
– electronic ballast T26			
0055380	EUROPA-II-PC-118-EP, 1x18W	T26/G13	670 x 152 x 102
0055381	EUROPA-II-PC-218-EP, 2x18W		670 x 152 x 102
0055382	EUROPA-II-PC-136-EP, 1x36W		1280 x 152 x 102
0055383	EUROPA-II-PC-236-EP, 2x36W		1280 x 152 x 102
0055384	EUROPA-II-PC-158-EP, 1x58W		1580 x 152 x 102
0055385	EUROPA-II-PC-258-EP, 2x58W		1580 x 152 x 102

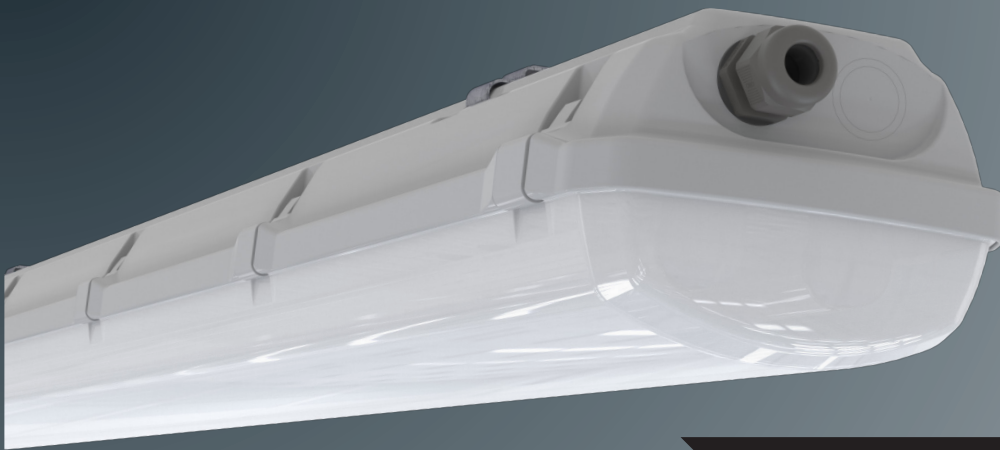
			Artic (mm)
– electronic ballast T16			
0055386	EUROPA-II-PC-114-EP, 1x14W	T16/G13	670 x 152 x 102
0055387	EUROPA-II-PC-124-EP, 1x24W		670 x 152 x 102
0055388	EUROPA-II-PC-214-EP, 2x14W		670 x 152 x 102
0055389	EUROPA-II-PC-224-EP, 2x24W		670 x 152 x 102
0055390	EUROPA-II-PC-128-EP, 1x28W		1280 x 152 x 102
0055391	EUROPA-II-PC-154-EP, 1x54W		1280 x 152 x 102
0055392	EUROPA-II-PC-228-EP, 2x28W		1280 x 152 x 102
0055393	EUROPA-II-PC-254-EP, 2x54W		1280 x 152 x 102
0055394	EUROPA-II-PC-135-EP, 1x35W		1580 x 152 x 102
0055395	EUROPA-II-PC-149-EP, 1x49W		1580 x 152 x 102
0055396	EUROPA-II-PC-180-EP, 1x80W		1580 x 152 x 102
0055397	EUROPA-II-PC-235-EP, 2x35W		1580 x 152 x 102
0055398	EUROPA-II-PC-249-EP, 2x49W		1580 x 152 x 102
0055399	EUROPA-II-PC-280-EP, 2x80W		1580 x 152 x 102

– special equipment

0511131	cable suspender-EUROPA-2x (3m)
001721	wire suspender EUROPA
008029	cable gland PG 13,5 with nut, RAL 7004
051186	through-wiring connection EUROPA-II 18W-1F
051187	through-wiring connection EUROPA-II 36W-1F
051188	through-wiring connection EUROPA-II 58W-1F
051189	through-wiring connection EUROPA-II 18W-3F
051190	through-wiring connection EUROPA-II 36W-3F
051191	through-wiring connection EUROPA-II 58W-3F



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE



EXTRA-LED

IP 66



Application: workshops, garages and manufacturing places. Housing allows should be included also glass fiber. It's substantially increasing mechanical and chemical resistance.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Cover: opal plastic material PC (polycarbonate), chemical resistance

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires (order additional cable gland)

Lifetime: L80B50/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

Art.	Model	Tc/A	(lm)*	(W)**	AsB (mm)
055180	EXTRA-LED-7500-258-4K	4000K	6670	50	1580 x 155 x 105
055184	EXTRA-LED-7150-258-3K	3000K	6364	50	1580 x 155 x 105
055181	EXTRA-LED-3800-158-4K	4000K	3416	25	1580 x 155 x 105
055385	EXTRA-LED-3600-158-3K	3000K	3236	25	1580 x 155 x 105

Art.	Model	Tc/A	(lm)*	(W)**	AsB (mm)
055182	EXTRA-LED-5200-236-4K	4000K	4540	35	1280 x 155 x 105
055386	EXTRA-LED-4950-236-3K	3000K	4450	35	1280 x 155 x 105
055183	EXTRA-LED-2600-136-4K	4000K	2337	18	1280 x 155 x 105
055387	EXTRA-LED-2500-136-3K	3000K	2248	18	1280 x 155 x 105

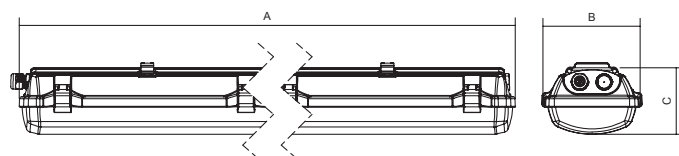
– special equipment

051131 cable suspender-EXTRA-2x (3m)

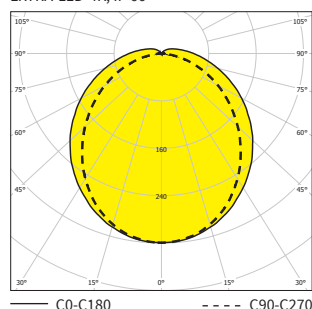
001696 wire suspender EXTRA

008029 cable gland PG 13,5 with nut; RAL 7004

(lm)* - luminous flux, (W)** - input power



EXTRA-LED-4K, IP 66



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE

EXTRA

IP 66



Application: workshops, cellars, garages, warehouses, public and manufacturing places.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Cover: plastic material PC (polycarbonate), transparent colour, chemical resistance

Reflector: white painted metal sheet (RAL 9003)

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

Standard equipment: 1 pc of cable gland, 2 pcs of fastening brackets, double clamp for power cables.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

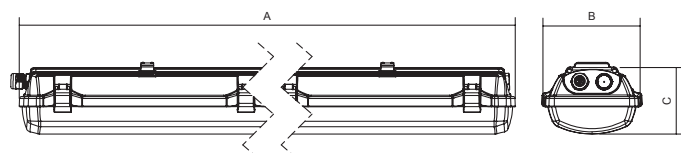
DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

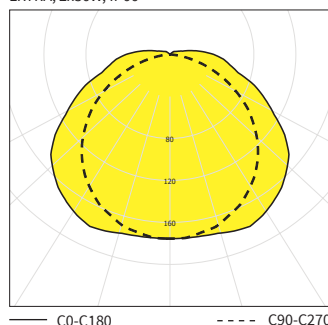
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

PAR – parabolic reflector (wide radiant)



EXTRA, 2x36W, IP66



			Artic (mm)
– electronic ballast			
055000	EXTRA-PC-118-EP, 1x18W	T26/G13	670 x 155 x 105
055003	EXTRA-PC-218-EP, 2x18W		670 x 155 x 105
055006	EXTRA-PC-136-EP, 1x36W		1280 x 155 x 105
055009	EXTRA-PC-236-EP, 2x36W		1280 x 155 x 105
055012	EXTRA-PC-158-EP, 1x58W		1580 x 155 x 105
055015	EXTRA-PC-258-EP, 2x58W		1580 x 155 x 105

			Artic (mm)
– electronic ballast			
055020	EXTRA-PC-114-EP, 1x14W	T16/G5	670 x 155 x 105
055021	EXTRA-PC-124-EP, 1x24W		670 x 155 x 105
055022	EXTRA-PC-214-EP, 2x14W		670 x 155 x 105
055023	EXTRA-PC-224-EP, 2x24W		670 x 155 x 105
055024	EXTRA-PC-128-EP, 1x28W		1280 x 155 x 105
055025	EXTRA-PC-154-EP, 1x54W		1280 x 155 x 105
055026	EXTRA-PC-228-EP, 2x28W		1280 x 155 x 105
055027	EXTRA-PC-254-EP, 2x54W		1280 x 155 x 105
055028	EXTRA-PC-135-EP, 1x35W		1580 x 155 x 105
055029	EXTRA-PC-149-EP, 1x49W		1580 x 155 x 105
055030	EXTRA-PC-180-EP, 1x80W		1580 x 155 x 105
055031	EXTRA-PC-235-EP, 2x35W		1580 x 155 x 105
055032	EXTRA-PC-249-EP, 2x49W		1580 x 155 x 105
055033	EXTRA-PC-280-EP, 2x80W		1580 x 155 x 105

– special equipment			
051131	Self-locking cable suspender 3m (1 pc)		
001696	Steel wire hanger		
008029	Cable gland PG 13,5 with nut, RAL 7004		
093216	AL - additional parabolic reflector EXTRA, 2x18W (wide radiant)		
093217	AL - additional parabolic reflector EXTRA, 2x36W (wide radiant)		
093218	AL - additional parabolic reflector EXTRA, 2x58W (wide radiant)		
093228	AL - additional parabolic reflector EXTRA, 2x14/24W (wide radiant)		
093229	AL - additional parabolic reflector EXTRA, 2x28/54W (wide radiant)		
093230	AL - additional parabolic reflector EXTRA, 2x35/49/80W (wide radiant)		



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE



EXTRA-II

IP 66



Application: insulation class II, workshops, cellars, garages, warehouses, public and manufacturing places.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Cover: plastic material PC (polycarbonate), transparent colour, chemical resistance

Reflector: white painted metal sheet (RAL 9003)

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires.

Standard equipment: 1 pc of cable gland, 2 pcs of fastening brackets, double clamp for power cables.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

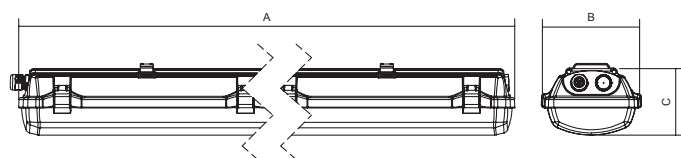
DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

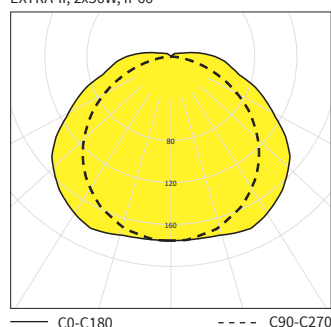
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

PAR – parabolic reflector (wide radiant)



EXTRA-II, 2x36W, IP66



— CO-C180 - - - - C90-C270

Code	Model	Power	Dimensions (mm)
055100	EXTRA-II-PC-118-EP, 1x18W		670 x 155 x 105
055103	EXTRA-II-PC-218-EP, 2x18W		670 x 155 x 105
055106	EXTRA-II-PC-136-EP, 1x36W	T26/G13	1280 x 155 x 105
055109	EXTRA-II-PC-236-EP, 2x36W		1280 x 155 x 105
055112	EXTRA-II-PC-158-EP, 1x58W		1580 x 155 x 105
055115	EXTRA-II-PC-258-EP, 2x58W		1580 x 155 x 105

Code	Model	Power	Dimensions (mm)
055120	EXTRA-II-PC-114-EP, 1x14W		670 x 155 x 105
055121	EXTRA-II-PC-124-EP, 1x24W		670 x 155 x 105
055122	EXTRA-II-PC-214-EP, 2x14W		670 x 155 x 105
055123	EXTRA-II-PC-224-EP, 2x24W		670 x 155 x 105
055124	EXTRA-II-PC-128-EP, 1x28W		1280 x 155 x 105
055125	EXTRA-II-PC-154-EP, 1x54W		1280 x 155 x 105
055126	EXTRA-II-PC-228-EP, 2x28W	T16/G5	1280 x 155 x 105
055127	EXTRA-II-PC-254-EP, 2x54W		1280 x 155 x 105
055128	EXTRA-II-PC-135-EP, 1x35W		1580 x 155 x 105
055129	EXTRA-II-PC-149-EP, 1x49W		1580 x 155 x 105
055130	EXTRA-II-PC-180-EP, 1x80W		1580 x 155 x 105
055131	EXTRA-II-PC-235-EP, 2x35W		1580 x 155 x 105
055132	EXTRA-II-PC-249-EP, 2x49W		1580 x 155 x 105
055133	EXTRA-II-PC-280-EP, 2x80W		1580 x 155 x 105

Code	Model
051131	Self-locking cable suspender 3m (1 pc)
001696	Steel wire hanger
008029	Cable gland PG 13,5 with nut, RAL 7004
093219	AL - additional parabolic reflector EXTRA, 2x18W (wide radiant)
093220	AL - additional parabolic reflector EXTRA, 2x36W (wide radiant)
093221	AL - additional parabolic reflector EXTRA, 2x58W (wide radiant)
093231	AL - additional parabolic reflector EXTRA, 2x14/24W (wide radiant)
093232	AL - additional parabolic reflector EXTRA, 2x28/54W (wide radiant)
093233	AL - additional parabolic reflector EXTRA, 2x35/49/80W (wide radiant)



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE

VIPET-LED

IP 66



Application: agricultural areas, workshops, cellars, garages and production halls.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Cover: opal plastic material PC (polycarbonate), chemical resistance

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires (order additional cable gland)

Lifetime: L80B10/50 000 h/35 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

RN – outdoor use of light fixture in uncovered areas

GESIS – possibility to equip light fixtures with connectors

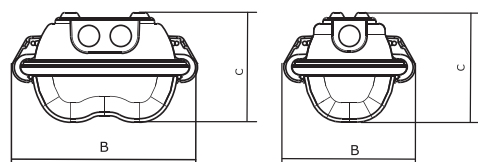
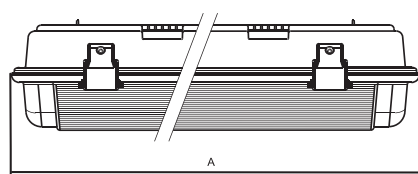
1		Tc/a	(lm)*	(W)**	AmbC (mm)
052964	VIPET-LED-3950-136-3K	3000K	4040	29	1290 x 132 x 110
052955	VIPET-LED-4100-136-4K	4000K	4232	29	1290 x 132 x 110
052960	VIPET-LED-4600-136-3K	3000K	4667	35	1290 x 132 x 110
052950	VIPET-LED-4800-136-4K	4000K	4889	35	1290 x 132 x 110

1		Tc/a	(lm)*	(W)**	AmbC (mm)
052965	VIPET-LED-4900-158-3K	3000K	5053	36	1590 x 132 x 110
052956	VIPET-LED-5200-158-4K	4000K	5290	36	1590 x 132 x 110
052961	VIPET-LED-5800-158-3K	3000K	5836	44	1590 x 132 x 110
052951	VIPET-LED-6000-158-4K	4000K	6111	44	1590 x 132 x 110

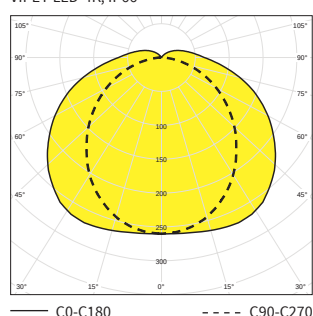
1		Tc/a	(lm)*	(W)**	AmbC (mm)
052966	VIPET-LED-7900-236-3K	3000K	8080	58	1290 x 186 x 110
052957	VIPET-LED-8300-236-4K	4000K	8464	58	1290 x 186 x 110
052962	VIPET-LED-9150-236-3K	3000K	9334	71	1290 x 186 x 110
052952	VIPET-LED-9600-236-4K	4000K	9778	71	1290 x 186 x 110

1		Tc/a	(lm)*	(W)**	AmbC (mm)
052967	VIPET-LED-9850-258-3K	3000K	10100	73	1590 x 186 x 110
052958	VIPET-LED-10350-258-4K	4000K	10580	73	1590 x 186 x 110
052963	VIPET-LED-11400-258-3K	3000K	11667	88	1590 x 186 x 110
052953	VIPET-LED-11950-258-4K	4000K	12221	88	1590 x 186 x 110

(lm)* - luminous flux, (W)** - input power



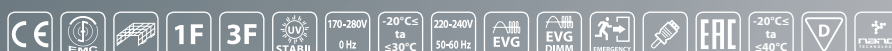
VIPET-LED-4K, IP66





VIPET-I

IP 66



Application: agricultural areas, workshops, cellars, garages and production halls

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: plastic material PS (polystyrene), **ABS** (acrylonitrile-butadiene-styrene) or **PC** (polycarbonate), RAL 7035, chemical resistance

Cover: plastic material PS (polystyrene), **SAN** (styrene-acrylonitrile) or **PC** (polycarbonate), transparent colour, chemical resistance

Reflector: white painted metal sheet (RAL 9003)

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm² Light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc of cable gland, 1 pc of sealing plug, 2 pcs of fastening spring, double clamp for power cables

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

RN – outdoor use of light fixture in uncovered areas

GESIS – possibility to equip light fixtures with connectors

AR – aluminium linear reflector (deep radiant)

PAR – parabolic reflector (wide radiant)

Used materials

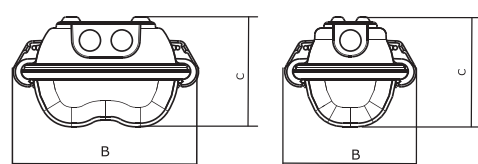
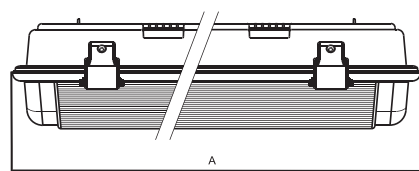
Type	Body	Light active cover	Ballast	Reflector
VIPET – I – PS	PS *	PS	Inductive	White
VIPET – I – PMMA	ABS	SAN	Inductive	White
VIPET – I – PC	PC	PC	Inductive	White
VIPET – I – PS – EP	PS *	PS	Electronic ballast (EP)	White
VIPET – I – PMMA – EP	ABS	SAN	Electronic ballast (EP)	White
VIPET – I – PC – EP	PC	PC	Electronic ballast (EP)	White

Type 2x58W is produced only in variants: PC body - PC cover and PC body - SAN cover

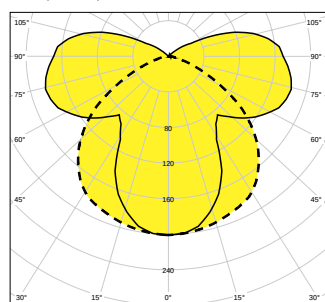
* Type 1x58W body is made from ABS.



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. VIPET luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend VIPET-I-RN luminaires.

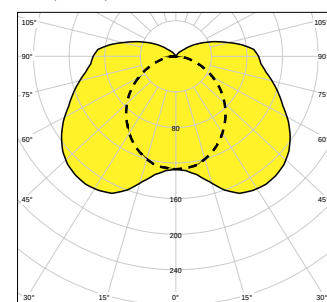


VIPET, 1x36W, IP 66



— C0-C180 - - - - C90-C270

VIPET, 2x36W, IP 66



— C0-C180 - - - - C90-C270

				AuBxC (mm)
– electronic ballast				
052220	VIPET-I-PS-218-EP, 2x18W	T26/G13		685 x 186 x 110
052221	VIPET-I-PMMA-218-EP, 2x18W			685 x 186 x 110
052222	VIPET-I-PC-218-EP, 2x18W			685 x 186 x 110
052420	VIPET-I-PS-118-EP, 1x18W			685 x 132 x 110
052421	VIPET-I-PMMA-118-EP, 1x18W			685 x 132 x 110
052422	VIPET-I-PC-118-EP, 1x18W			685 x 132 x 110
052054	VIPET-I-PS-236-EP, 2x36W			1290 x 186 x 110
052063	VIPET-I-PMMA-236-EP, 2x36W			1290 x 186 x 110
052056	VIPET-I-PC-236-EP, 2x36W			1290 x 186 x 110
052120	VIPET-I-PS-136-EP, 1x36W			1290 x 132 x 110
052121	VIPET-I-PMMA-136-EP, 1x36W			1290 x 132 x 110
052122	VIPET-I-PC-136-EP, 1x36W			1290 x 132 x 110
052321	VIPET-I-PMMA-258-EP, 2x58W			1590 x 186 x 110
052322	VIPET-I-PC-258-EP, 2x58W			1590 x 186 x 110
052460	VIPET-I-PS-158-EP, 1x58W			1590 x 132 x 110
052461	VIPET-I-PMMA-158-EP, 1x58W			1590 x 132 x 110
052462	VIPET-I-PC-158-EP, 1x58W			1590 x 132 x 110

				AuBxC (mm)
– dimmable electronic ballast				
052225	VIPET-I-PS-218-EP-DIM, 2x18W	T26/G13		685 x 186 x 110
052226	VIPET-I-PMMA-218-EP-DIM, 2x18W			685 x 186 x 110
052227	VIPET-I-PC-218-EP-DIM, 2x18W			685 x 186 x 110
052065	VIPET-I-PS-236-EP-DIM, 2x36W			685 x 132 x 110
052066	VIPET-I-PMMA-236-EP-DIM, 2x36W			685 x 132 x 110
052067	VIPET-I-PC-236-EP-DIM, 2x36W			685 x 132 x 110
052125	VIPET-I-PS-136-EP-DIM, 1x36W			1290 x 186 x 110
052126	VIPET-I-PMMA-136-EP-DIM, 1x36W			1290 x 186 x 110
052127	VIPET-I-PC-136-EP-DIM, 1x36W			1290 x 186 x 110
052326	VIPET-I-PMMA-258-EP-DIM, 2x58W			1590 x 132 x 110
052327	VIPET-I-PC-258-EP-DIM, 2x58W			1590 x 132 x 110
052465	VIPET-I-PS-158-EP-DIM, 1x58W			1590 x 132 x 110
052466	VIPET-I-PMMA-158-EP-DIM, 1x58W			1590 x 186 x 110
052467	VIPET-I-PC-158-EP-DIM, 1x58W			1590 x 186 x 110

				AuBxC (mm)
– electronic ballast, t, 40°C				
052603	VIPET-I-PC-218-EP-T40, 2x18W	T26/G13		685 x 186 x 110
052600	VIPET-I-PC-118-EP-T40, 1x18W			685 x 132 x 110
052604	VIPET-I-PC-236-EP-T40, 2x36W			1290 x 186 x 110
052601	VIPET-I-PC-136-EP-T40, 1x36W			1290 x 132 x 110
052605	VIPET-I-PC-258-EP-T40, 2x58W			1590 x 186 x 110

				AuBxC (mm)
– electronic ballast				
052700	VIPET-I-PS-214-EP, 2x14W	T16/G5		685 x 186 x 110
052701	VIPET-I-PMMA-214-EP, 2x14W			685 x 186 x 110
052702	VIPET-I-PC-214-EP, 2x14W			685 x 186 x 110
052703	VIPET-I-PS-224-EP, 2x24W			685 x 186 x 110
052704	VIPET-I-PMMA-224-EP, 2x24W			685 x 186 x 110
052705	VIPET-I-PC-224-EP, 2x24W			685 x 186 x 110
052722	VIPET-I-PC-114-EP, 1x14W			685 x 132 x 110
052723	VIPET-I-PS-124-EP, 1x24W			685 x 132 x 110
052724	VIPET-I-PMMA-124-EP, 1x24W			685 x 132 x 110
052725	VIPET-I-PC-124-EP, 1x24W			685 x 132 x 110
052706	VIPET-I-PS-228-EP, 2x28W			1290 x 186 x 110
052707	VIPET-I-PMMA-228-EP, 2x28W			1290 x 186 x 110
052708	VIPET-I-PC-228-EP, 2x28W			1290 x 186 x 110
052709	VIPET-I-PS-254-EP, 2x54W			1290 x 186 x 110
052710	VIPET-I-PMMA-254-EP, 2x54W			1290 x 186 x 110
052711	VIPET-I-PC-254-EP, 2x54W			1290 x 186 x 110
052726	VIPET-I-PS-128-EP, 1x28W			1290 x 132 x 110
052727	VIPET-I-PMMA-128-EP, 1x28W			1290 x 132 x 110
052728	VIPET-I-PC-128-EP, 1x28W			1290 x 132 x 110
052729	VIPET-I-PS-154-EP, 1x54W			1290 x 132 x 110
052730	VIPET-I-PMMA-154-EP, 1x54W			1290 x 132 x 110
052731	VIPET-I-PC-154-EP, 1x54W			1290 x 132 x 110
052712	VIPET-I-PMMA-235-EP, 2x35W			1590 x 186 x 110
052713	VIPET-I-PC-235-EP, 2x35W			1590 x 186 x 110
052732	VIPET-I-PMMA-135-EP, 1x35W			1590 x 132 x 110
052733	VIPET-I-PC-135-EP, 1x35W			1590 x 132 x 110
052734	VIPET-I-PMMA-149-EP, 1x49W			1590 x 132 x 110
052735	VIPET-I-PC-149-EP, 1x49W			1590 x 132 x 110
052714	VIPET-I-PMMA-249-EP, 2x49W			1590 x 132 x 110
052715	VIPET-I-PC-249-EP, 2x49W			1590 x 132 x 110
052736	VIPET-I-PMMA-180-EP, 1x80W			1590 x 132 x 110
052737	VIPET-I-PC-180-EP, 1x80W			1590 x 132 x 110
052716	VIPET-I-PMMA-280-EP, 2x80W			1590 x 132 x 110
052717	VIPET-I-PC-280-EP, 2x80W			1590 x 132 x 110



– special equipment

051106	Plastic suspension bracket with accessories
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)
003571	Stainless steel clip POINTER, VIPET
001719	Stainless steel fastening spring VIPET – 1x (1 pc)
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)
001768	Aluminium parabolic reflector VIPET, 2x36W
001769	Aluminium parabolic reflector VIPET, 2x58W
001505	Protective cover VIPET 2x36W - through
001506	Protective cover VIPET 2x36W - ending
001509	Protective cover VIPET 2x58W - throug
001510	Protective cover VIPET 2x58W - ending

Light fitting can be equipped with emergency module, also with autotest



VIPET-II

IP 66



Application: insulation class II, agricultural areas, workshops, cellars, garages and production halls

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: plastic material PC (polycarbonate), RAL 7035, chemical resistance

Cover: plastic material PC (polycarbonate), transparent colour, chemical resistance

Reflector: white painted metal sheet (RAL 9003)

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm² Light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc of cable gland, 1 pc of sealing plug, 2 pcs of fastening spring, double clamp for power cables

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

RN – outdoor use of light fixture in uncovered areas

GESIS – possibility to equip light fixtures with connectors

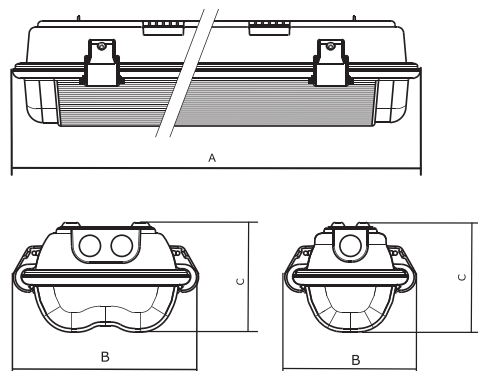
AR – aluminium linear reflector (deep radiant)

PAR – parabolic reflector (wide radiant)

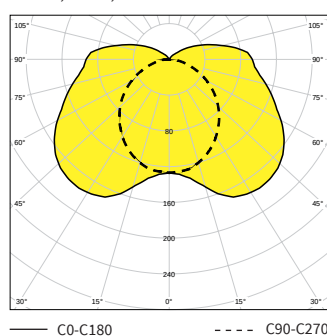
			AbtC (mm)
– electronic ballast			
052529	VIPET-II-PC-218-EP, 2x18W	T26/G13	685 x 186 x 110
052547	VIPET-II-PC-118-EP, 1x18W		685 x 132 x 110
052509	VIPET-II-PC-236-EP, 2x36W		1290 x 186 x 110
052519	VIPET-II-PC-136-EP, 1x36W		1290 x 132 x 110
052537	VIPET-II-PC-258-EP, 2x58W		1590 x 186 x 110
052557	VIPET-II-PC-158-EP, 1x58W		1590 x 132 x 110

– electronic ballast			
052690	VIPET-II-PC-128/154-EP, 1x28/54W	T16/G5	1290 x 132 x 110
052692	VIPET-II-PC-228/254-EP, 2x28/54W		1290 x 186 x 110
052691	VIPET-II-PC-135/149/180-EP, 1x35/49/80W		1590 x 132 x 110
052693	VIPET-II-PC-235/248/280-EP, 2x35/49/80W		1590 x 186 x 110

– electronic ballast – t _a 40 °C			
052611	VIPET-II-PC-218-EP-T40, 2x18W	T26/G13	685 x 186 x 110
052610	VIPET-II-PC-118-EP-T40, 1x18W		685 x 132 x 110
052613	VIPET-II-PC-236-EP-T40, 2x36W		1290 x 186 x 110
052612	VIPET-II-PC-136-EP-T40, 1x36W		1290 x 132 x 110
052615	VIPET-II-PC-258-EP-T40, 2x58W		1590 x 186 x 110
052614	VIPET-II-PC-158-EP-T40, 1x58W		1590 x 132 x 110



VIPET-II, 2x36W, IP 66



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. VIPET luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend VIPET-I-RN luminaires.



POINTER-LED

IP 66



Application: agricultural areas, workshops, cellars, garages and production halls.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 170-280 V DC

Body: PC (polycarbonate), RAL 7035 or ABS (acrylonitrile-butadiene-styrene).

Cover: PC (polycarbonate), opal cover, chemical resistance

Fastening: direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc of sealing cable gland, 2 pcs of fastening spring, double clamp for power cables

Lifetime: L80B10/50 000 h/30 °C

On request: DIM – dimmable electronic ballast (DSI, DALI)

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

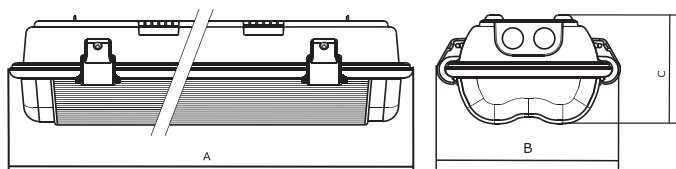
RN – outdoor use of light fixture in uncovered areas

GESIS – possibility to equip light fixtures with connectors

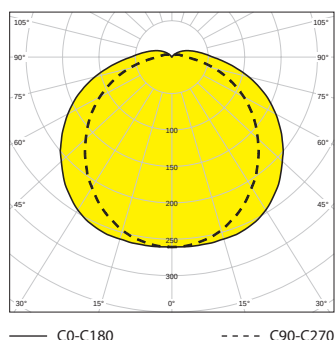
		Tc/θ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast, insulation class I					
052980	Pointer-I-LED-1250-3K	3000	1177	9	338 x 186 x 105
052981	Pointer-I-LED-1350-4K	4000	1233	9	338 x 186 x 105
052982	Pointer-I-LED-1650-3K	3000	1457	12	338 x 186 x 105
052983	Pointer-I-LED-1750-4K	4000	1526	12	338 x 186 x 105
052984	Pointer-I-LED-1700-3K	3000	1732	13	338 x 186 x 105
052985	Pointer-I-LED-1850-4K	4000	1814	13	338 x 186 x 105
052986	Pointer-I-LED-2250-3K	3000	1947	19	338 x 186 x 105
052987	Pointer-I-LED-2330-4K	4000	2040	19	338 x 186 x 105

		Tc/θ	(lm)*	(W)**	AxBxC (mm)
– electronic ballast, insulation class II					
052990	Pointer-II-LED-1250-3K	3000	1177	9	338 x 186 x 105
052991	Pointer-II-LED-1350-4K	4000	1233	9	338 x 186 x 105
052992	Pointer-II-LED-1650-3K	3000	1457	12	338 x 186 x 105
052993	Pointer-II-LED-1750-4K	4000	1526	12	338 x 186 x 105
052994	Pointer-II-LED-1700-3K	3000	1732	13	338 x 186 x 105
052995	Pointer-II-LED-1850-4K	4000	1814	13	338 x 186 x 105
052996	Pointer-II-LED-2250-3K	3000	1947	19	338 x 186 x 105
052997	Pointer-II-LED-2330-4K	4000	2040	19	338 x 186 x 105

(lm)* – luminous flux, (W)** – input power



POINTER-LED-4K, IP66





POINTER-I

IP 66



Application: lighting corridors, workshops, cellars and garages.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material **ABS** (acrylonitrile-butadiene-styrene) or **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic material **SAN** (styrene-acrylonitrile) or **PC** (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 2 pcs fastening springs, double clamp for power cables

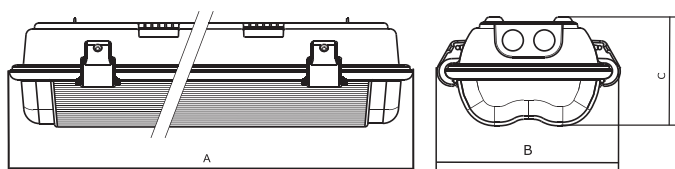
On request: DIM – dimmable electronic ballast (DSI, DALI)

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

RN – light fixture suitable for outdoor uncovered areas

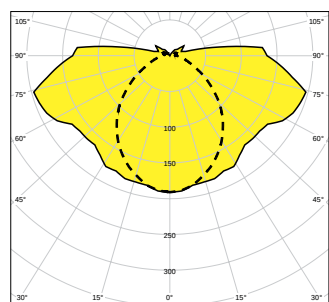
GESIS – possibility to equip light fixtures with connectors

			
- electronic ballast			
052004	POINTER-I-PMMA-211-EP, 2x11W, 2G7	TC-SEL/2G7	338x173x105
052006	POINTER-I-PC-211-EP, 2x11W, 2G7		338x173x105
052033	POINTER-I-PMMA-111-EP, 1x11W, 2G7		338x173x105
052035	POINTER-I-PC-111-EP, 1x11W, 2G7		338x173x105
			
- electronic ballast, 24V DC			
052047	POINTER-I-PMMA-209, 2x9W, 24V DC, 2G7	TC-SEL/2G7	338x173x105
052048	POINTER-I-PC-209, 2x9W, 24V DC, 2G7		338x173x105
052045	POINTER-I-PMMA-109, 1x9W, 24V DC, 2G7		338x173x105
052046	POINTER-I-PC-109, 1x9W, 24V DC, 2G7		338x173x105
- special equipment			
051106	Plastic suspension bracket with accessories		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		



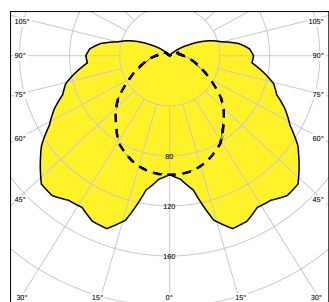
For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. POINTER luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend POINTER-I-RN luminaires.

POINTER-I, 2x11W, IP66



— C0-C180 - - - - C90-C270

POINTER-I-1x11W, IP66



— C0-C180 - - - - C90-C270





POINTER-II

IP 66



Application: insulation class II, corridors, workshops, cellars and garages.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material SAN (styrene-acrylonitrile) or PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or with suspension brackets

Connection: Screwless two-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 2 pcs fastening spring, double clamp for power cables

On request: DIM – dimmable electronic ballast (DSI, DALI)

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

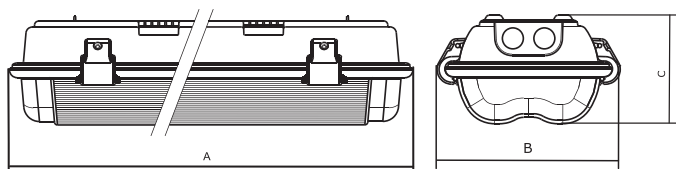
RN – light fixture suitable for outdoor uncovered areas

GESIS – possibility to equip light fixtures with connectors

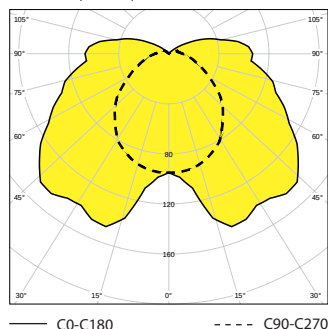
			AxBxC (mm)
– electronic ballast			
052502	POINTER-II-PC-211, 2x11W, G23, IP66	TC-S	338x173x105
052503	POINTER-II-PC-211-EP, 2x11W, 2G7, IP66	TC-SEL	338x173x105
– special equipment			
051106	Plastic suspension bracket with accessories		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO, AQUA, MASTIF, PITBUL or BOXER. POINTER luminaires can be used in covered outdoor areas. For outdoor use in uncovered areas we recommend POINTER-I-RN luminaires.



POINTER-II, 2x11W, IP66





3V36a

IP 64



Application: production halls, warehouses and pigpens.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material GRP (polyester filled with fiberglass), grey colour RAL7035

Cover: Plastic material SAN (styrene-acrylonitrile, transparent colour)

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, suspension with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, plastic clamps for power cables

On request: Em – non-maintained emergency lighting (1h, 3h)

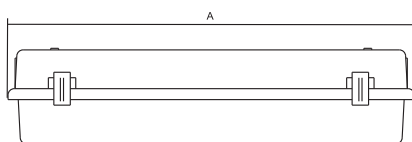
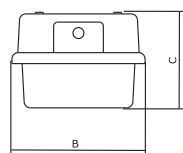
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

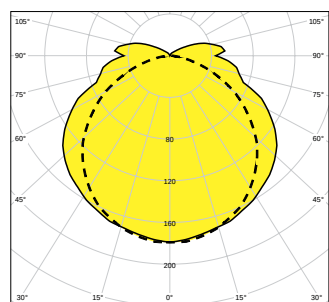
1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

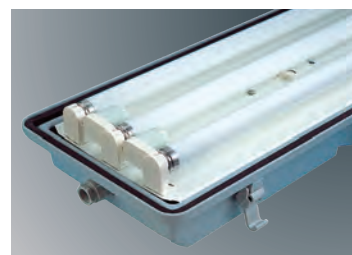
			AxBxCd (mm)
– electronic ballast			
050062	3V36a-336-EP, 3x36W, IP64	T26/G13	1280x240x120
056160	3V36a-328-EP, 3x28W, IP64	T16/G5	1280x240x120
056161	3V36a-354-EP, 3x54W, IP64		1280x240x120
– special equipment			
051106	Plastic suspension bracket with accessories		
051107	Accessories for 3-phase through-wiring connection 3V36a – 5x1,5mm ²		
001447	Protective cage 3V36a		
003570	Stainless steel clip 3V36a		



3V36a, 3x36W, IP64



— C0-C180 - - - C90-C270



V-SOKOL

IP 65



Application: production halls, warehouses and pigpens.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material GPR (polystyr filled with fibreglass), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area or suspension with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, plastic clamps for power cables, stainless steel clips

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

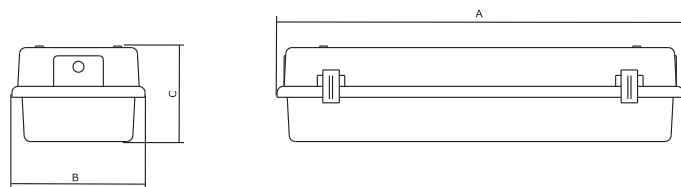
1/3 F – one or three phase through-wiring connection

DIM – dimmable electronic ballast (DSI, DALI)

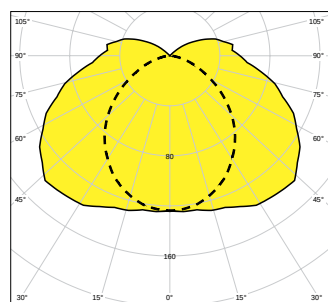
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

						 AxBxC (mm)
- electronic ballast						
050027	2V18-SOKOL-218-EP, 2x18W, IP65					675x170x108
050034	2V36-SOKOL-236-EP, 2x36W, IP65			T26/G13		1275x170x108
050035	2V58-SOKOL-258-EP, 2x58W, IP65					1575x170x108
						 AxBxC (mm)
- electronic ballast						
056150	2V28-SOKOL-228-EP, 2x28W, IP65					1275x170x108
056151	2V54-SOKOL-254-EP, 2x54W, IP65					1275x170x108
056152	2V35-SOKOL-235-EP, 2x35W, IP65			T16/G5		1575x170x108
056153	2V49-SOKOL-249-EP, 2x49W, IP65					1575x170x108
056154	2V80-SOKOL-280-EP, 2x80W, IP65					1575x170x108
- special equipment						
051106	Plastic suspension bracket with accessories					
008029	Cable gland PG 13,5 with nut, RAL7004					
008501	M20 sealing plug, grey, incl. gasket and nut					
051101	Accessories for 3-phase through-wiring connection 2V36					
051103	Accessories for 3-phase through-wiring connection 2V58					
001749LAK	Protective cage 2x36W					
001750LAK	Protective cage 2x58W					

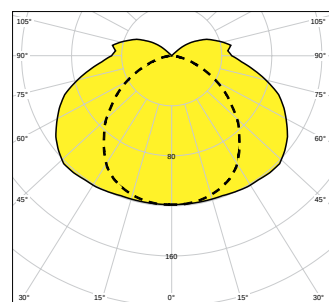


2V36-SOKOL, 2x36W, IP65



— C0-C180 - - - - C90-C270

2V58-SOKOL, 2x58W, IP65



— C0-C180 - - - - C90-C270





FARGO

IP 65



Application: insulation class II, agricultural areas, workshops, cellars, garages, kitchens and public spaces.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material GRP (polyester filled with fibre glass), white colour

Reflector: possibility of mounting two types of reflector:

WR – white painted steel sheet, RAL9003 (on request)

AR – high polished aluminium sheet (on request)

Fastening: Direct fastening on ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing kit for fastening on the ceiling, 1 pc sealing cable gland

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3 h)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

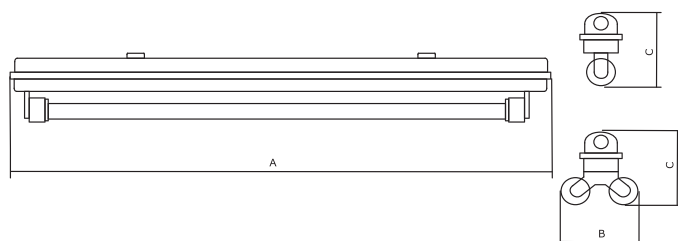
(hydrophobic, oleophobic or antibacterial protection)

PC tube – protective polycarbonate tube for T26 lamps

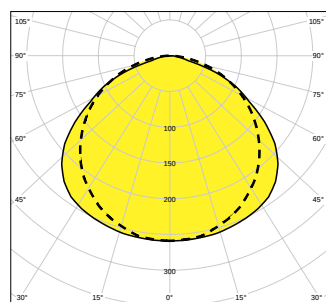
			AbxC (mm)
– electronic ballast			
054160	FARGO-136-EP, 1x36W, IP65	T26/G13	1271x65x115
054161	FARGO-236-EP, 2x36W, IP65		1271x117x115
054162	FARGO-158-EP, 1x58W, IP65		1571x65x115
054163	FARGO-258-EP, 2x58W, IP65		1571x117x115

			AbxC (mm)
– electronic ballast			
054140	FARGO-128-EP, 1x28W, IP65	T16/G5	1271x65x115
054141	FARGO-228-EP, 2x28W, IP65		1271x117x115
054142	FARGO-154-EP, 1x54W, IP65		1271x65x115
054143	FARGO-254-EP, 2x54W, IP65		1271x117x115
054144	FARGO-135-EP, 1x35W, IP65		1571x65x115
054145	FARGO-235-EP, 2x35W, IP65		1571x117x115
054146	FARGO-149-EP, 1x49W, IP65		1571x65x115
054147	FARGO-249-EP, 2x49W, IP65		1571x117x115
054148	FARGO-180-EP, 1x80W, IP65		1571x65x115
054149	FARGO-280-EP, 2x80W, IP65		1571x117x115

– special equipment			
001620	White painted steel sheet reflector FARGO 136/236		
001621	White painted steel sheet reflector FARGO 158/258		
001623	Highly polished aluminium reflector FARGO 136/236		
001624	Highly polished aluminium reflector FARGO 158/258		
003300	Protective PC tube FARGO 36W		
003301	Protective PC tube FARGO 58W		
003095	Covering nut		

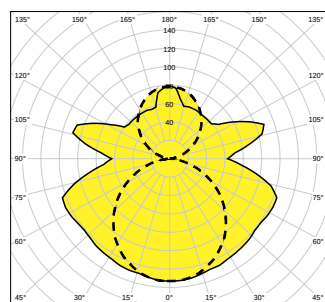


FARGO, 2x58W, IP65 – white painted reflector



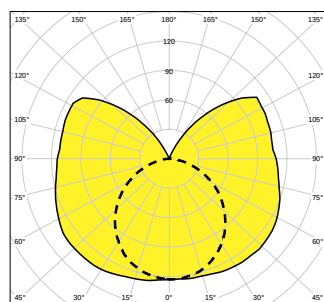
— C0-C180 - - - - C90-C270

FARGO, 2x36W, IP65



— C0-C180 - - - - C90-C270

FARGO, 1x36W, IP65



— C0-C180 - - - - C90-C270

White painted steel sheet reflector



Highly polished aluminium reflector





EXTREME

IP 65



Application: areas with higher ambient temperature, areas with increased risk of fire due to the presence of dust and fibers, e.g. outbuildings.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Aluminium alloy with eloxal coating finish of surface, plastic sides from polycarbonate at the ends of body, chemical resistance

Cover: Tempered safety glass

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall by means of two adjustable brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland).

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs adjustable bracket

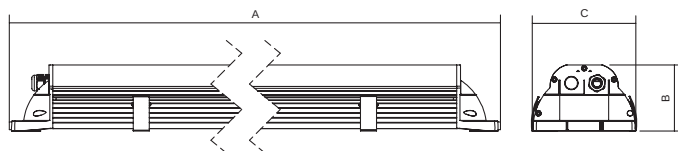
On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

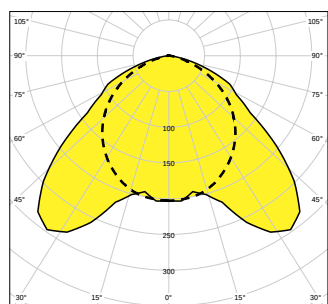
1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

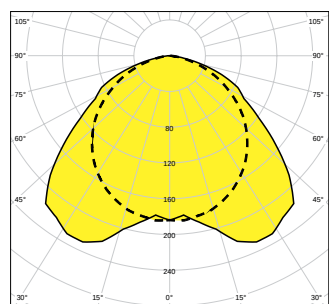
GESIS – possibility to equip light fixtures with connectors



EXTREME, 1x58W, IP 65



EXTREME, 2x36W, IP 65



			Artic (mm)
– electronic ballast			
054400	EXTREME-114-EP, 1x14W	T16/G5	720 x 105 x 165
054401	EXTREME-214-EP, 2x14W		720 x 105 x 165
054402	EXTREME-124-EP, 1x24W		720 x 105 x 165
054403	EXTREME-224-EP, 2x24W		720 x 105 x 165
054404	EXTREME-121-EP, 1x21W		980 x 105 x 165
054405	EXTREME-221-EP, 2x21W		980 x 105 x 165
054406	EXTREME-139-EP, 1x39W		980 x 105 x 165
054407	EXTREME-239-EP, 2x39W		980 x 105 x 165
054408	EXTREME-128-EP, 1x28W		1320 x 105 x 165
054409	EXTREME-228-EP, 2x28W		1320 x 105 x 165
054410	EXTREME-154-EP, 1x54W		1320 x 105 x 165
054411	EXTREME-254-EP, 2x54W		1320 x 105 x 165
054412	EXTREME-135-EP, 1x35W		1620 x 105 x 165
054413	EXTREME-235-EP, 2x35W		1620 x 105 x 165
054414	EXTREME-149-EP, 1x49W		1620 x 105 x 165
054415	EXTREME-249-EP, 2x49W		1620 x 105 x 165
054416	EXTREME-180-EP, 1x80W		1620 x 105 x 165
054417	EXTREME-280-EP, 2x80W		1620 x 105 x 165

			Artic (mm)
– electronic ballast			
054424	EXTREME-118-EP, 1x18 W	T26/G13	720 x 105 x 165
054425	EXTREME-218-EP, 2x18 W		720 x 105 x 165
054426	EXTREME-136-EP, 1x36 W		1320 x 105 x 165
054427	EXTREME-236-EP, 2x36 W		1320 x 105 x 165
054428	EXTREME-158-EP, 1x58 W		1620 x 105 x 165
054429	EXTREME-258-EP, 2x58 W		1620 x 105 x 165

– special equipment	
008029	Cable gland PG 13,5 with nut, RAL7004
008501	M20 sealing plug, grey, incl. gasket and nut





AQUA-70-LED

IP 68



Application: car wash, chemical industry, water tanks and swimming pools.

Ballast: EP – electronic ballast 220 – 240 V / 50 Hz-60Hz AC, 176-280 V DC

Body: plastic tube with outer diameter of 70 mm and wall thickness 4 mm made from PC (polycarbonate), transparent colour, sealing plugs at the ends of tube.

Fastening: fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

Fastening: screw connector terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B10/ 50 000 h/45 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

		TcK	(lm)*	(W)**	AxBxC (mm)
083981	AQUA-70-LED-1700-4K	4000K	1426	11	1040 x 310 x 120
083983	AQUA-70-LED-3400-4K	4000K	2852	22	1650 x 310 x 120
083976	AQUA-70-LED-5550-4K	4000K	4374	33	1950 x 310 x 120
083975	AQUA-70-LED-5550-4K	4000K	4374	33	2200 x 310 x 120
083977	AQUA-70-LED-7400-4K	4000K	5698	44	2450 x 310 x 120

		TcK	(lm)*	(W)**	AxBxC (mm)
084001	AQUA-70-LED-1250-4K	4000K	963	9	1040 x 310 x 120
084003	AQUA-70-LED-2550-4K	4000K	1925	18	1650 x 310 x 120
083978	AQUA-70-LED-3750-4K	4000K	2888	27	1950 x 310 x 120
083979	AQUA-70-LED-3750-4K	4000K	2888	27	2200 x 310 x 120
083985	AQUA-70-LED-5050-4K	4000K	3850	36	2450 x 310 x 120

- special equipment

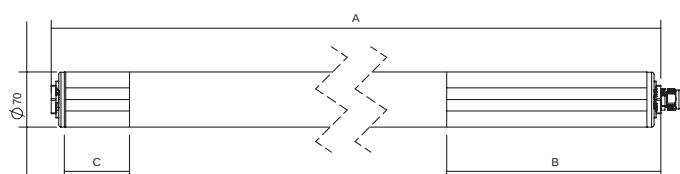
053627 Mounting tube bracket AQUA, stainless steel

053628 Mounting bracket AQUA-70, stainless steel (1pc)

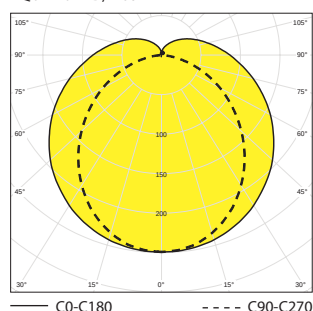
053629 Mounting PC bracket AQUA-70, dark grey (1pc)

053630 Mounting PC bracket AQUA-70, bright grey (1pc)

(lm)* - luminous flux, (W)** - input power



AQUA-70-LED, IP68



AQUA-70

IP 68



Application: car wash, chemical industry, water tanks, timber industry, swimming pools and all outdoor areas. Due to construction and thick-wall body light fixture is very mechanically resistant.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes.

Reflector: Highly polished aluminium sheet

Fastening: With mounting brackets (not part of light fittings) fastening on ceiling or wall lighted area, suspension by means of self-locking suspenders or with suspension brackets

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

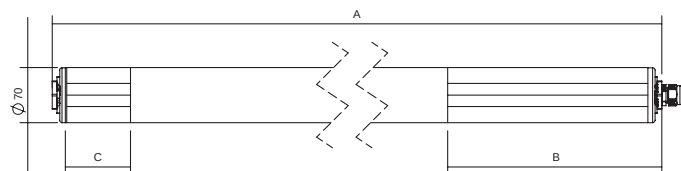
DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

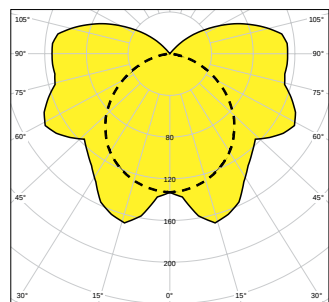
NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

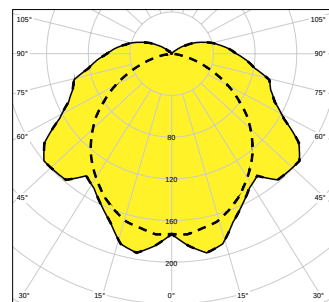
GESIS – possibility to equip light fixtures with connectors



AQUA-70, 1x36W, IP68



AQUA-70, 2x54W, IP68



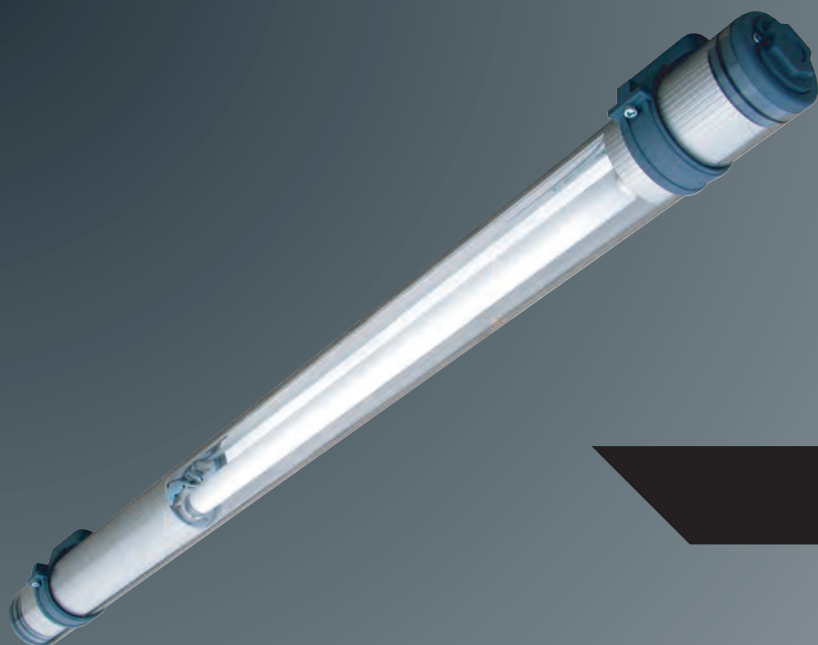
			Artic (mm)
- electronic ballast			
083628	AQUA-I-111-EP, 1x11W	TC-SEL/2G11	584 x 221 x 80
083617	AQUA-I-118-EP, 1x18W		1083 x 332 x 95
083618	AQUA-I-136-EP, 1x36W	T26/G13	1683 x 322 x 95
083619	AQUA-I-158-EP, 1x58W		1966 x 310 x 95

			Artic (mm)
- electronic ballast			
083600	AQUA-I-106-EP, 1x6W		446 x 80 x 80
083601	AQUA-I-108-EP, 1x8W		522 x 80 x 80
083602	AQUA-I-113-EP, 1x13W		751 x 80 x 80
083603	AQUA-I-114-EP, 1x14W		783 x 80 x 80
083607	AQUA-I-124-EP, 1x24W		783 x 80 x 80
083770	AQUA-I-214-EP, 2x14W		1148 x 425 x 100
083771	AQUA-I-224-EP, 2x24W		1148 x 425 x 100
083604	AQUA-I-121-EP, 1x21W		1083 x 80 x 80
083608	AQUA-I-139-EP, 1x39W		1083 x 80 x 80
083772	AQUA-I-221-EP, 2x21W		1439 x 425 x 95
083773	AQUA-I-239-EP, 2x39W	T16/G5	1439 x 425 x 95
083605	AQUA-I-128-EP, 1x28W		1383 x 80 x 80
083609	AQUA-I-154-EP, 1x54W		1383 x 80 x 80
083774	AQUA-I-228-EP, 2x28W		1739 x 425 x 95
083775	AQUA-I-254-EP, 2x54W		1739 x 425 x 95
083606	AQUA-I-135-EP, 1x35W		1683 x 80 x 80
083611	AQUA-I-149-EP, 1x49W		1683 x 80 x 80
083610	AQUA-I-180-EP, 1x80W		1683 x 80 x 80
083776	AQUA-I-235-EP, 2x35W		2039 x 425 x 95
083778	AQUA-I-249-EP, 2x49W		2104 x 488 x 95
083777	AQUA-I-280-EP, 2x80W		2104 x 488 x 95

- special equipment	
051106	Plastic suspension bracket with accessories
051127	Self-locking cable suspender (2 pcs)
053630	Mounting PC bracket AQUA-70, bright grey (1pc)
053629	Mounting PC bracket AQUA-70, dark grey (1pc)
053627	Mounting tube bracket AQUA, stainless steel

- 053629, 053630, 053627





AQUA-70-II

IP 68



Application: insulation class II, car wash, chemical industry, water tanks, timber industry, swimming pools and all outdoor areas. Due to construction and thick-wall body light fixture is very mechanically resistant.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes.

Reflector: Highly polished aluminium sheet

Fastening: With mounting brackets (not part of light fittings) fastening on ceiling or wall lighted area, suspension by means of self-locking suspenders or with suspension brackets

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

On request: Em – non-maintained emergency lighting (1 h, 3 h)

MULTI – maintained emergency lighting (1 h, 3 h)

DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

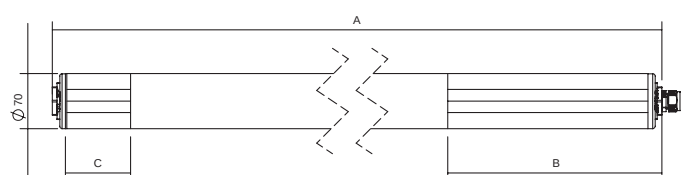
				AuxC (mm)
– electronic ballast				
083750	AQUA-70-II-106-EP, 1x6W			446 x 80 x 80
083751	AQUA-70-II-108-EP, 1x8W			522 x 80 x 80
083753	AQUA-70-II-113-EP, 1x13W			751 x 80 x 80
083754	AQUA-70-II-114-EP, 1x14W			783 x 80 x 80
083755	AQUA-70-II-124-EP, 1x24W			783 x 80 x 80
083780	AQUA-70-II-214-EP, 2x14W			1139 x 45 x 80
083781	AQUA-70-II-224-EP, 2x24W			1139 x 45 x 80
083756	AQUA-70-II-121-EP, 1x21W			1083 x 80 x 80
083757	AQUA-70-II-139-EP, 1x39W			1083 x 80 x 80
083782	AQUA-70-II-221-EP, 2x21W	T16/G5		1439 x 45 x 80
083783	AQUA-70-II-239-EP, 2x39W			1439 x 45 x 80
083758	AQUA-70-II-128-EP, 1x28W			1383 x 80 x 80
083759	AQUA-70-II-154-EP, 1x54W			1383 x 80 x 80
083784	AQUA-70-II-228-EP, 2x28W			1740 x 45 x 80
083785	AQUA-70-II-254-EP, 2x54W			1740 x 45 x 80
083760	AQUA-70-II-135-EP, 1x35W			1687 x 80 x 80
083786	AQUA-70-II-235, 2x35W			2039 x 45 x 80
083787	AQUA-70-II-280, 2x80W			2104 x 80 x 513

				AuxC (mm)
– electronic ballast				
083765	AQUA-70-II-118-EP, 1x18W			1083 x 65 x 357
083766	AQUA-70-II-136-EP, 1x36W	T26/G13		1683 x 65 x 357
083767	AQUA-70-II-158-EP, 1x58W			1966 x 65 x 330

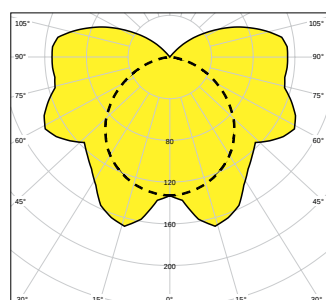
– special equipment				
051106	Plastic suspension bracket with accessories			
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket			
053630	Plastic mounting bracket – bright grey (1 pc)			
053629	Plastic mounting bracket – dark grey (1 pc)			
053627	Mounting tube bracket AQUA, stainless steel			

Modification on request:

- 1) Combined version - multisource
- 2) With separate ballast part



AQUA-70-II, 1x36W, IP68



- 053629, 053630, 053628



AQUA-40-LED

IP 65



Application: lighting corridors, workshops, cellars, bridge and garages.

Ballast: power supply with 12 V/DC

Integrated power supply 230 V/ 50 Hz AC

Body: plastic tube with outer diameter of 40 mm and wall thickness 1,5 mm made from **PC** (polycarbonate), transparent colour, sealing plugs at the ends of tube.

Reflector: white painted metal sheet (RAL 9003)

Fastening: direct fastening on ceiling or wall, with plastic clips ECLIP 40

Connection: screwless two-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc of cable gland M16, 1 pc of sealing plug M16

Lifetime: L80B10/ 50 000 h/30 °C

On request: 3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

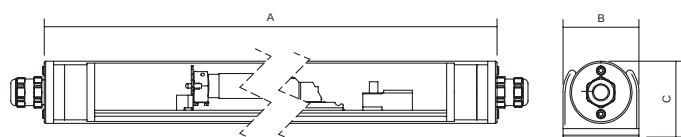
GESIS – possibility to equip light fixtures with connectors

		TcK	(lm)*	(W)**	AxBxC (mm)
083972	AQUA-40-LED-1100-4K	4000K	708	8	1070 x 40
083973	AQUA-40-LED-1850-4K	4000K	1204	12	1570 x 40
083974	AQUA-40-LED-1750-4K	4000K	1127	11	2070 x 40

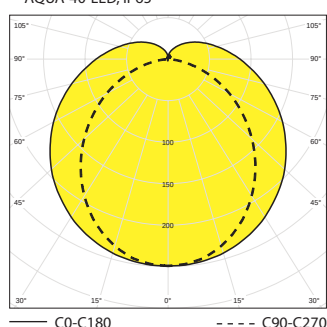
- special equipment

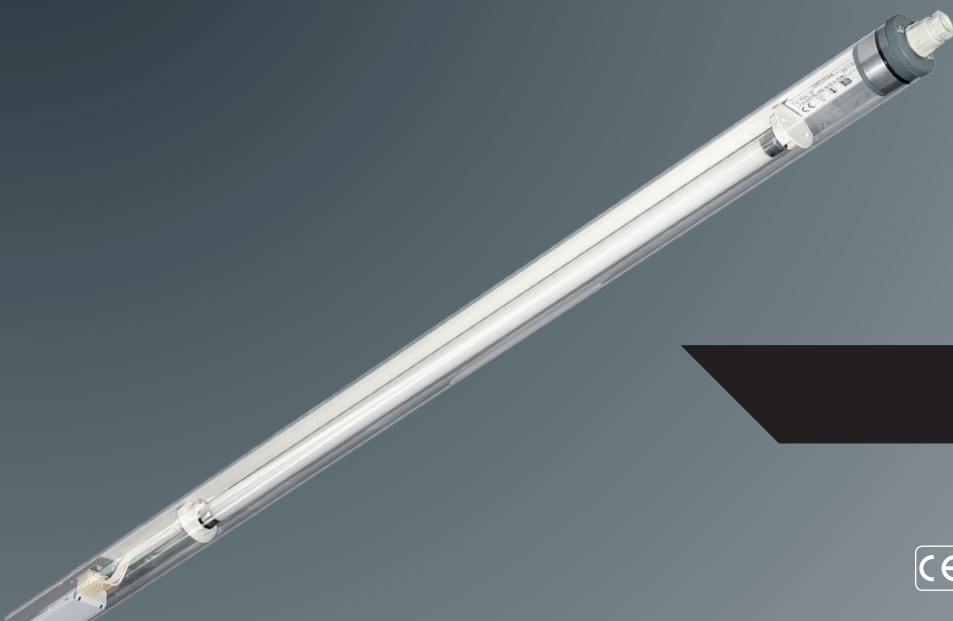
003597 Plastic clip ECLIP 40

(lm)* - luminous flux, (W)** - input power



AQUA-40-LED, IP65





AQUA-40

IP 65



Application: corridors, workshops, cellars, bridges and garages.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic tube with outer diameter of 40 mm and wall thickness of 1,5 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes.

Reflector: White painted meal sheet RAL9003

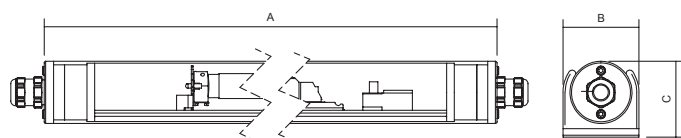
Fastening: Direct fastening on ceiling or with two plastic clips ELICP 40

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

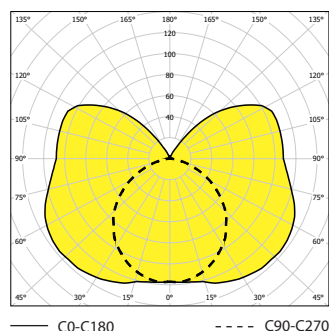
On request: 1 F – one phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

				AviC (mm)
– electronic ballast				
053640	AQUA-40-106-EP, 1x6W			588 x 52 x 56
053641	AQUA-40-108-EP, 1x8W			665 x 52 x 56
053642	AQUA-40-113-EP, 1x13W			895 x 52 x 56
053643	AQUA-40-114-EP, 1x14W			1135 x 52 x 56
053644	AQUA-40-124-EP, 1x24W	T16/G5		1135 x 52 x 56
053645	AQUA-40-121-EP, 1x21W			1435 x 52 x 56
053646	AQUA-40-139-EP, 1x39W			1435 x 52 x 56
053647	AQUA-40-128-EP, 1x28W			1735 x 52 x 56
053648	AQUA-40-154-EP, 1x54W			1735 x 52 x 56
– special equipment				
003597	Plastic clip ECLIP 40			



AQUA-40, 1x24W, IP65



003597

HUSKY-LED

IP 66



Application: very demanding industrial areas with high dustiness and vibrations

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC

Body: stainless steel (options on request as per demanded are)

Cover: safety glass with HST test

Reflector: painted metal sheet

Optics: W – extra-radiant,
S – wide-radiant,
CL – without secondary optical part,
H – deep-radiant

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: GESIS – possibility to equip light fixtures with connectors

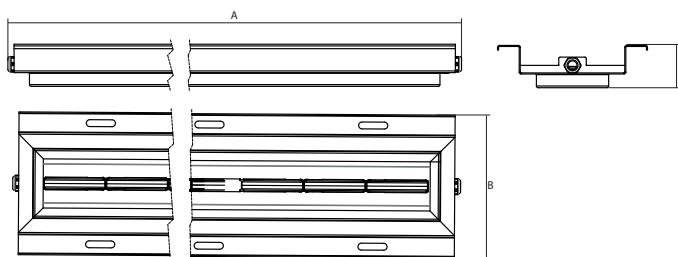
1/3 F – one or three phase through-wiring connection

3000 K, 5000 K, 6000 K – colour temperature

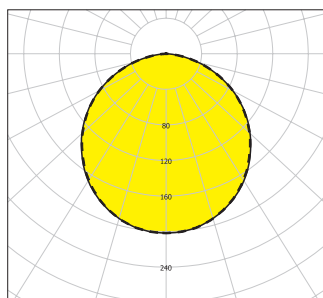
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T ₀	(lm)*	(W)**	A ₀ (mm)
055750	HUSKY-LED-7400-W	4000	6447	51	1500 x 220 x 62
055754	HUSKY-LED-11350-W	4000	9866	74	1500 x 220 x 62
055758	HUSKY-LED-14000-W	4000	12154	95	1500 x 220 x 62
055751	HUSKY-LED-7400-S	4000	6373	51	1500 x 220 x 62
055755	HUSKY-LED-11350-S	4000	9752	74	1500 x 220 x 62
055759	HUSKY-LED-14000-S	4000	12014	95	1500 x 220 x 62
055752	HUSKY-LED-7400-CL	4000	6891	51	1500 x 220 x 62
055756	HUSKY-LED-11350-CL	4000	10546	74	1500 x 220 x 62
055760	HUSKY-LED-14000-CL	4000	12992	95	1500 x 220 x 62
055753	HUSKY-LED-7400-H	4000	6299	51	1500 x 220 x 62
055757	HUSKY-LED-11350-H	4000	9639	74	1500 x 220 x 62
055761	HUSKY-LED-14000-H	4000	11875	95	1500 x 220 x 62

(lm)* - luminous flux, (W)** - input power

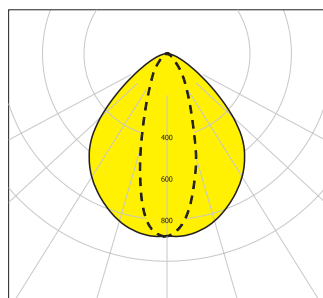


HUSKY-LED-CL



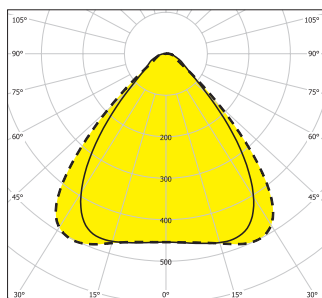
— C0-C180 - - - - C90-C270

HUSKY-LED-H



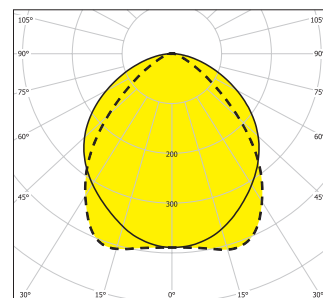
— C0-C180 - - - - C90-C270

HUSKY-LED-S



— C0-C180 - - - - C90-C270

HUSKY-LED-W



— C0-C180 - - - - C90-C270



DUNKER65-LED-L

IP 65



Application: areas with requirements for higher level of protection degree (IP), e.e. stock and production halls. This solution enables the replacement of light sources without using tools. Regarding to the luminous characteristic and excellent efficiency. Light fixture are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: hardened safety thermally toughened HST glass

Fastening: mounting via suspension brackets

Connection: via GESIS connector

Lifetime: L80B10/45 000 h/40 °C

Standard equipment: 4 pcs of suspension brackets M5, GESIS connector

On request: DIM – dimmable electronic ballast (DSI, DALI)

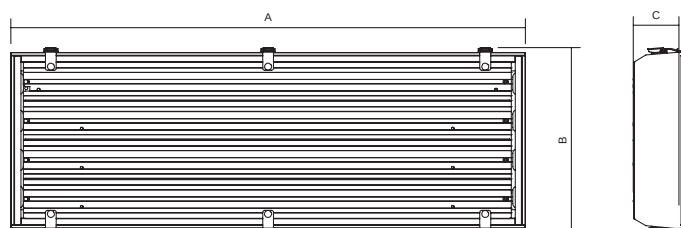
RAL – another colour finishing

3000 K, 5000 K, 6000 K – colour temperature

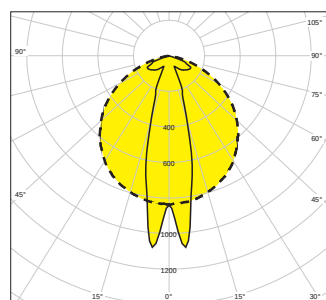
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T ₀	(lm)*	(W)**	AvBxC (mm)
056850	DUNKER65-LED-L-33600-4K	4000	28850	227	1185x455x980
056851	DUNKER65-LED-L-25200-4K	4000	21635	181	1185x455x980
056852	DUNKER65-LED-L-16800-4K	4000	14425	121	625x455x420

(lm)* - luminous flux, (W)** - input power



DUNKER65-LED-L



— C0-C180

- - - C90-C270

DUNKER65-LED

IP 65



Application: areas with requirements for higher level of protection degree (IP), e.e. stock and production halls. This solution enables the replacement of light sources without using tools. Regarding to the luminous characteristic and excellent efficiency. Light fixture are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: hardened safety thermally toughened HST glass

Fastening: mounting via suspension brackets

Connection: via GESIS connector

Lifetime: L80B10/50 000 h/35 °C

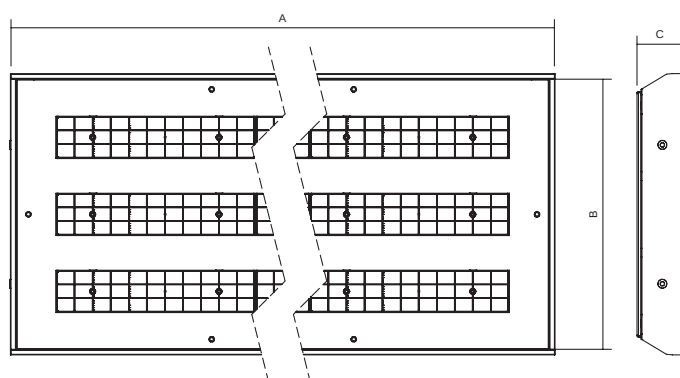
Standard equipment: 4 pcs of suspension brackets M5, GESIS connector

On request: DIM – dimmable electronic ballast (DSI, DALI)

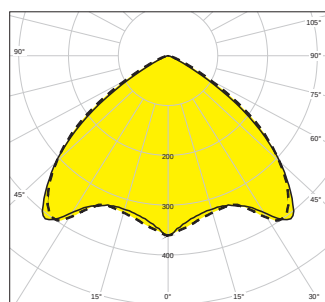
RAL – another colour finishing

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

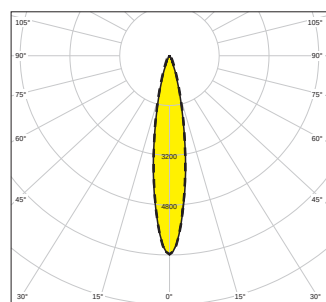


DUNKER65-LED-EW



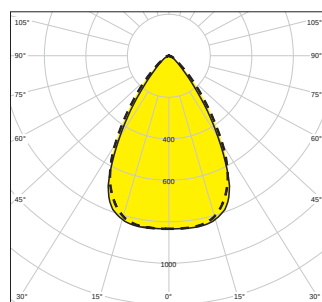
— C0-C180 - - - C90-C270

DUNKER65-LED-NB



— C0-C180 - - - C90-C270

DUNKER65-LED-W



— C0-C180 - - - C90-C270

		Tc/A	(lm)*	(W)**	AxBxC (mm)
- electronic ballast					
- deep radiant					
056800	DUNKER65-LED-H5-8100-4K	4 000	7735	62	1566 x 292 x 70
056841	DUNKER65-LED-H8-13000-4K	4 000	12414	99	1278 x 292 x 70
056801	DUNKER65-LED-H10-16200-4K	4 000	15470	123	1566 x 292 x 70
056802	DUNKER65-LED-H12-19400-4K	4 000	18525	148	1278 x 405 x 70
056803	DUNKER65-LED-H15-24250-4K	4 000	23157	185	1566 x 405 x 70
056804	DUNKER65-LED-H20-32350-4K	4 000	30911	147	1566 x 518 x 70
- wide radiant 60°					
056780	DUNKER65-LED-W5-8750-4K	4 000	7735	62	1566 x 292 x 70
056781	DUNKER65-LED-W8-14050-4K	4 000	12414	99	1278 x 292 x 70
056782	DUNKER65-LED-W10-17500-4K	4 000	15470	123	1566 x 292 x 70
056783	DUNKER65-LED-W12-20950-4K	4 000	18525	148	1278 x 405 x 70
056784	DUNKER65-LED-W15-26200-4K	4 000	23157	185	1566 x 405 x 70
056785	DUNKER65-LED-W20-34950-4K	4 000	30911	147	1566 x 518 x 70
- wide radiant 90°					
056786	DUNKER65-LED-EW5-8750-4K	4 000	7735	62	1566 x 292 x 70
056787	DUNKER65-LED-EW8-14050-4K	4 000	12414	99	1278 x 292 x 70
056788	DUNKER65-LED-EW10-17500-4K	4 000	15470	123	1566 x 292 x 70
056789	DUNKER65-LED-EW12-20950-4K	4 000	18525	148	1278 x 405 x 70
056790	DUNKER65-LED-EW15-26200-4K	4 000	23157	185	1566 x 405 x 70
056791	DUNKER65-LED-EW20-34950-4K	4 000	30911	147	1566 x 518 x 70
- deep radiant					
056792	DUNKER65-LED-NB4-7000-4K	4 000	6188	49	1278 x 292 x 70
056793	DUNKER65-LED-NB5-8750-4K	4 000	7735	62	1566 x 179 x 70
056794	DUNKER65-LED-NB8-14050-4K	4 000	12414	99	1278 x 292 x 70
056795	DUNKER65-LED-NB10-17500-4K	4 000	15470	123	1566 x 292 x 70
056796	DUNKER65-LED-NB12-20950-4K	4 000	18525	148	1278 x 405 x 70

(lm)* - luminous flux, (W)** - input power



DUNKER65

IP 65



Application: areas with requirements for higher level of protection degree (IP), i.e. stock and production halls. The cover is fastened to the body using clips and hinges. This solution enables the replacement of light sources without using tools. Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with medium luminous emittance characteristic (medium radiant)

Cover: Hardened safety thermally toughened HST glass

Fastening: Suspension with brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 4 pcs suspension brackets M5

On request: Em – non-maintained emergency lighting (1h, 3h)

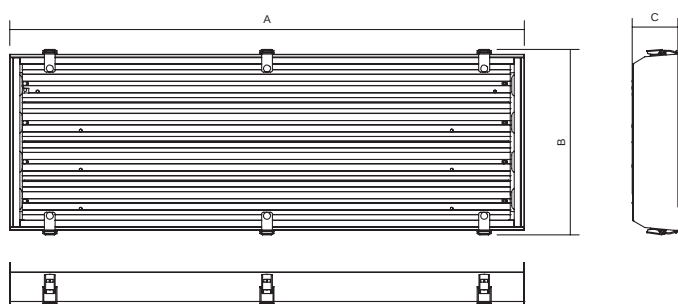
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (1-10 V, DSI, DALI)

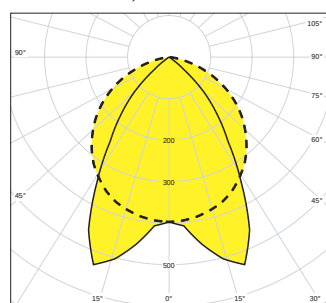
RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

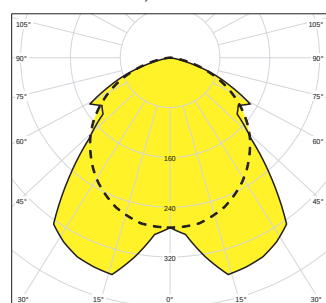


DUNKER65-4x54W, IP65



— C0-C180 - - - C90-C270

DUNKER65-S 4x80W, IP65



— C0-C180 - - - C90-C270

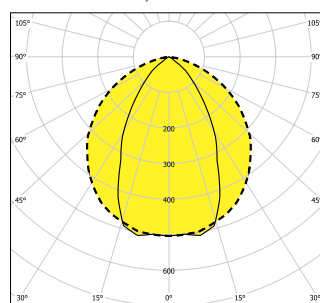
			AxBxC (mm)
- electronic ballast			
056520	DUNKER65-228-EP, 2x28W	T16/G5	1185 x 265 x 110
056521	DUNKER65-254-EP, 2x54W		1185 x 265 x 110
056522	DUNKER65-235-EP, 2x35W		1485 x 265 x 110
056523	DUNKER65-249-EP, 2x49W		1485 x 265 x 110
056524	DUNKER65-280-EP, 2x80W		1485 x 265 x 110
056525	DUNKER65-428-EP, 4x28W		1185 x 460 x 110
056526	DUNKER65-454-EP, 4x54W		1185 x 460 x 110
056527	DUNKER65-435-EP, 4x35W		1485 x 460 x 110
056528	DUNKER65-449-EP, 4x49W		1485 x 460 x 110
05652	DUNKER65-480-EP, 4x80W		1485 x 460 x 110

			AxBxC (mm)
- electronic ballast			
056500	DUNKER65-H-228-EP, 2x28W	T16/G5	1185 x 250 x 110
056501	DUNKER65-H-254-EP, 2x54W		1185 x 250 x 110
056502	DUNKER65-H-235-EP, 2x35W		1485 x 250 x 110
056503	DUNKER65-H-249-EP, 2x49W		1485 x 250 x 110
056504	DUNKER65-H-280-EP, 2x80W		1485 x 250 x 110
056505	DUNKER65-H-428-EP, 4x28W		1185 x 430 x 110
056506	DUNKER65-H-454-EP, 4x54W		1185 x 430 x 110
056507	DUNKER65-H-435-EP, 4x35W		1485 x 430 x 110
056508	DUNKER65-H-449-EP, 4x49W		1485 x 430 x 110
05650	DUNKER65-H-480-EP, 4x80W		1485 x 430 x 110

			AxBxC (mm)
- electronic ballast			
056540	DUNKER65-S-228-EP, 2x28W	T16/G5	1200 x 330 x 110
056541	DUNKER65-S-254-EP, 2x54W		1200 x 330 x 110
056542	DUNKER65-S-235-EP, 2x35W		1500 x 330 x 110
056543	DUNKER65-S-249-EP, 2x49W		1500 x 330 x 110
056544	DUNKER65-S-280-EP, 2x80W		1500 x 330 x 110
056545	DUNKER65-S-428-EP, 4x28W		1225 x 590 x 110
056546	DUNKER65-S-454-EP, 4x54W		1225 x 590 x 110
056547	DUNKER65-S-435-EP, 4x35W		1525 x 590 x 110
056548	DUNKER65-S-449-EP, 4x49W		1525 x 590 x 110
056549	DUNKER65-S-480-EP, 4x80W		1525 x 590 x 110

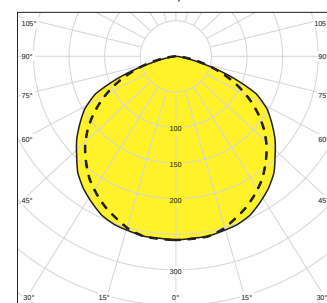
- special equipment			
004749	Snap-hook 6030 (zinc)		

DUNKER65-H 4x54W, IP65



— C0-C180 - - - C90-C270

DUNKER65-S-WR 4x80W, IP65



— C0-C180 - - - C90-C270

DUNKER65-AS

IP 65



Application: areas with requirements for higher level of protection degree (IP), i.e. stock and production halls. The cover is fastened to the body using clips and hinges. This solution enables the replacement of light sources without using tools. Regarding to the luminous characteristic and excellent efficiency, the light fixtures are suitable for high ceiling environments.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with asymmetrical luminous emittance characteristic.

Cover: Hardened safety thermally toughened HST glass

Fastening: Suspension with brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 4 pcs suspension brackets M5

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

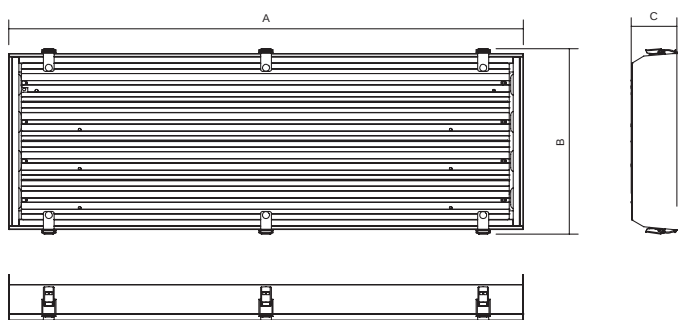
DIM – dimmable electronic ballast (1-10 V, DSI, DALI)

RAL – another colour finishing

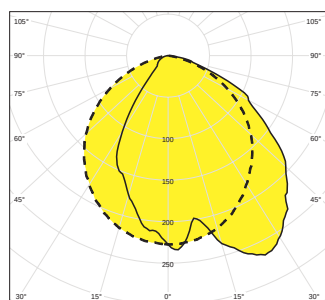
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

Protective cage



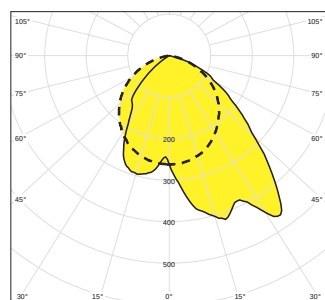
DUNKER65-AS, 4x58W, IP65



— C0-C180

--- C90-C270

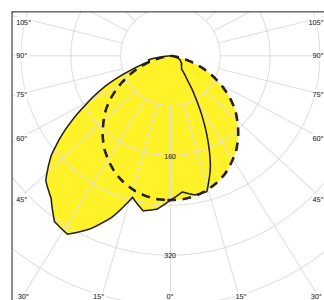
DUNKER65-AS, 4x80W, IP65



— C0-C180

--- C90-C270

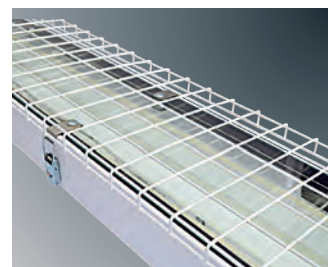
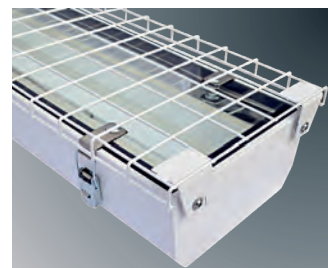
DUNKER65-AS, 2x58W, IP65



— C0-C180

--- C90-C270

			
– electronic ballast			
056704	DUNKER65-AS-228-EP, 2x28W	T16/G5	1185 x 295 x 110
056705	DUNKER65-AS-254-EP, 2x54W		1185 x 295 x 110
056706	DUNKER65-AS-235-EP, 2x35W		1485 x 295 x 110
056707	DUNKER65-AS-249-EP, 2x49W		1485 x 295 x 110
056708	DUNKER65-AS-280-EP, 2x80W		1485 x 295 x 110
056709	DUNKER65-AS-428-EP, 4x28W		1185 x 510 x 110
056710	DUNKER65-AS-454-EP, 4x54W		1185 x 510 x 110
056711	DUNKER65-AS-435-EP, 4x35W		1485 x 510 x 110
056712	DUNKER65-AS-449-EP, 4x49W		1485 x 510 x 110
056713	DUNKER65-AS-480-EP, 4x80W		1485 x 510 x 110
056701	DUNKER65-AS-236-EP, 2x36W	T26/G13	1240 x 255 x 110
056700	DUNKER65-AS-258-EP, 2x58W		1540 x 255 x 110
056702	DUNKER65-AS-436-EP, 4x36W		1540 x 435 x 110
056703	DUNKER65-AS-458-EP, 4x58W		1540 x 435 x 110
– special equipment			
004749 LAK	Snap-hook 6030 (zinc)		
001552 LAK	Protective cage DUNKER AS 2x28/54		
001553 LAK	Protective cage DUNKER AS 2x35/49/80		
001554 LAK	Protective cage DUNKER AS 2x58		
001555 LAK	Protective cage DUNKER AS 2x36		
001556 LAK	Protective cage DUNKER AS 4x28/54		
001557 LAK	Protective cage DUNKER AS 4x35/49/80		
001558 LAK	Protective cage DUNKER AS 4x58		
001559 LAK	Protective cage DUNKER AS 4x36		





DUNKER20

IP 20



Application: Regarding to the luminous characteristic and excellent efficiency, the light fixture is suitable for mounting in high areas and spaces where it is not required higher coverage, such as warehouses and cleanrooms.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with medium luminous emittance characteristic.

Fastening: Suspension with brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 4 pcs suspension brackets M5

On request: **Em** – non-maintained emergency lighting (1h, 3h)

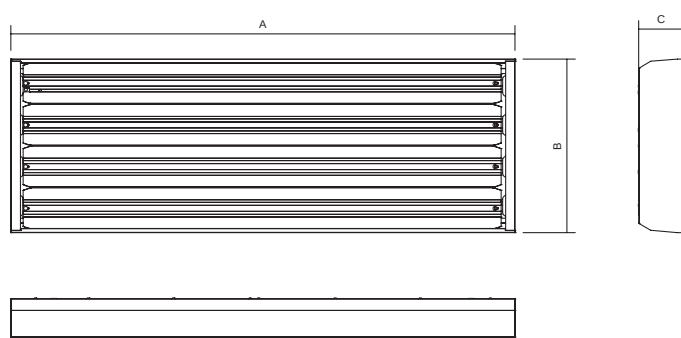
MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (1-10 V, DSI, DALI)

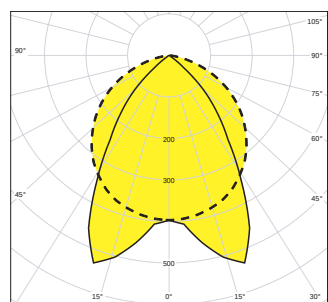
RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

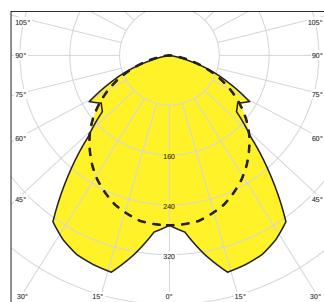


DUNKER20-4x54W, IP20



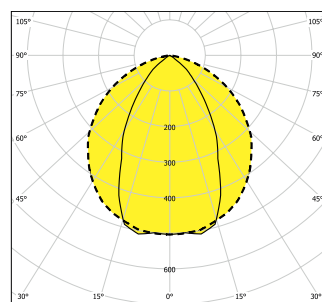
— C0-C180 - - - - C90-C270

DUNKER20-S 4x80W, IP20



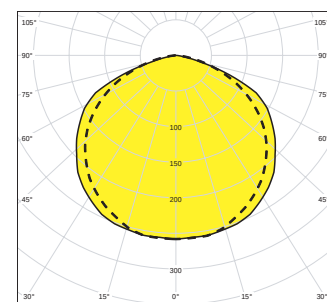
— C0-C180 - - - - C90-C270

DUNKER20-H 4x54W, IP20



— C0-C180 - - - - C90-C270

DUNKER20-S-WR 4x80W, IP20



— C0-C180 - - - - C90-C270

			AuB (mm)
- electronic ballast			
056620	DUNKER20-228-EP, 2x28W	T16/G5	1185 x 215 x 110
056621	DUNKER20-254-EP, 2x54W		1185 x 215 x 110
056622	DUNKER20-235-EP, 2x35W		1485 x 215 x 110
056623	DUNKER20-249-EP, 2x49W		1485 x 215 x 110
056624	DUNKER20-280-EP, 2x80W		1485 x 215 x 110
056625	DUNKER20-428-EP, 4x28W		1185 x 410 x 110
056626	DUNKER20-454-EP, 4x54W		1185 x 410 x 110
056627	DUNKER20-435-EP, 4x35W		1485 x 410 x 110
056628	DUNKER20-449-EP, 4x49W		1485 x 410 x 110
056629	DUNKER20-480-EP, 4x80W		1485 x 410 x 110

			AuB (mm)
- electronic ballast			
056600	DUNKER20-H-228-EP, 2x28W	T16/G5	1185 x 195 x 110
056601	DUNKER20-H-254-EP, 2x54W		1185 x 195 x 110
056602	DUNKER20-H-235-EP, 2x35W		1485 x 195 x 110
056603	DUNKER20-H-249-EP, 2x49W		1485 x 195 x 110
056604	DUNKER20-H-280-EP, 2x80W		1485 x 195 x 110
056605	DUNKER20-H-428-EP, 4x28W		1185 x 375 x 110
056606	DUNKER20-H-454-EP, 4x54W		1185 x 375 x 110
056607	DUNKER20-H-435-EP, 4x35W		1485 x 375 x 110
056608	DUNKER20-H-449-EP, 4x49W		1485 x 375 x 110
056609	DUNKER20-H-480-EP, 4x80W		1485 x 375 x 110

			AuB (mm)
- electronic ballast			
056640	DUNKER20-S-228-EP, 2x28W	T16/G5	1185 x 275 x 110
056641	DUNKER20-S-254-EP, 2x54W		1185 x 275 x 110
056642	DUNKER20-S-235-EP, 2x35W		1485 x 275 x 110
056643	DUNKER20-S-249-EP, 2x49W		1485 x 275 x 110
056644	DUNKER20-S-280-EP, 2x80W		1485 x 275 x 110
056645	DUNKER20-S-428-EP, 4x28W		1185 x 535 x 110
056646	DUNKER20-S-454-EP, 4x54W		1185 x 535 x 110
056647	DUNKER20-S-435-EP, 4x35W		1485 x 535 x 110
056648	DUNKER20-S-449-EP, 4x49W		1485 x 535 x 110
056649	DUNKER20-S-480-EP, 4x80W		1485 x 535 x 110

- special equipment			
004749	Snap-hook 6030 (zinc)		

DUNKER20-AS

IP 20



Application: Regarding to the luminous characteristic and excellent efficiency, the light fixture is suitable for mounting in high areas and spaces where it is not required higher coverage, such as warehouses and cleanrooms. Asymmetrical light distribution helps to uniform lighting in combination with DUNKER light fixture.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet (RAL 9003)

Reflector: Parabolic aluminium reflector from highly polished aluminium sheet MIRO SILVER® with asymmetrical luminous emittance characteristic.

Fastening: Suspension with brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable glands and 4 pcs suspension brackets M5

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

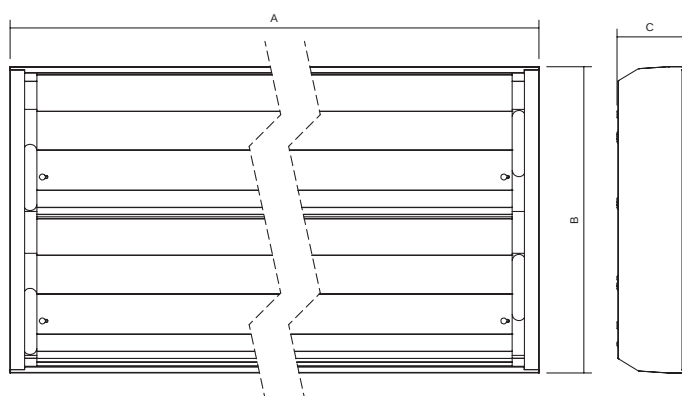
DIM – dimmable electronic ballast (1-10 V, DSI, DALI)

RAL – another colour finishing

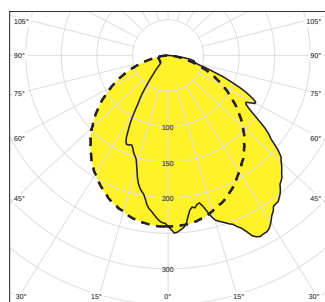
NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

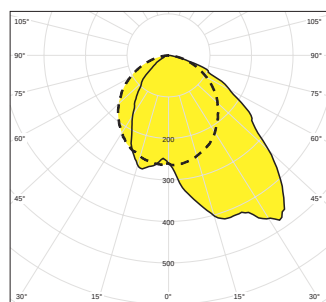


DUNKER20-AS, 4x58W, IP20



— C0-C180 - - - - C90-C270

DUNKER20-AS, 4x80W, IP65



— C0-C180 - - - - C90-C270

					
– electronic ballast					
056724	DUNKER20-AS-228-EP, 2x28W	T16/G5		1185 x 295 x 110	
056725	DUNKER20-AS-254-EP, 2x54W			1185 x 295 x 110	
056726	DUNKER20-AS-235-EP, 2x35W			1485 x 295 x 110	
056727	DUNKER20-AS-249-EP, 2x49W			1485 x 295 x 110	
056728	DUNKER20-AS-280-EP, 2x80W			1485 x 295 x 110	
056729	DUNKER20-AS-428-EP, 4x28W			1185 x 510 x 110	
056730	DUNKER20-AS-454-EP, 4x54W			1185 x 510 x 110	
056731	DUNKER20-AS-435-EP, 4x35W			1485 x 510 x 110	
056732	DUNKER20-AS-449-EP, 4x49W			1485 x 510 x 110	
056733	DUNKER20-AS-480-EP, 4x80W			1485 x 510 x 110	
056720	DUNKER20-AS-236-EP, 2x36W	T26/G13		1240 x 255 x 110	
056721	DUNKER20-AS-258-EP, 2x58W			1540 x 255 x 110	
056722	DUNKER20-AS-436-EP, 4x36W			1240 x 435 x 110	
056723	DUNKER20-AS-458-EP, 4x58W			1540 x 435 x 110	
– special equipment					
004749 LAK	Snap-hook 6030 (zinc)				
001552 LAK	Protective cage DUNKER AS 2x28/54				
001553 LAK	Protective cage DUNKER AS 2x35/49/80				
001554 LAK	Protective cage DUNKER AS 2x58				
001555 LAK	Protective cage DUNKER AS 2x36				
001556 LAK	Protective cage DUNKER AS 4x28/54				
001557 LAK	Protective cage DUNKER AS 4x35/49/80				
001558 LAK	Protective cage DUNKER AS 4x58				
001559 LAK	Protective cage DUNKER AS 4x36				



LARO43-LED

IP 43



Application: direct lighting shops, production areas and warehouses

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC

Body: white painted metal sheet (RAL 9003)

Optics: S – PMMA optics with wide luminous emittance characteristic – wide radiant

ES – PMMA optics with luminous emittance characteristic – extra radiant

H – PMMA optics with narrow luminous emittance characteristic – deep radiant

AS – PMMA optics with asymmetric luminous emittance characteristic

Fastening: direct fastening on ceiling by means of ceiling fastening brackets, suspension with self-locking suspnders or with suspension brackets

Connection: connector system, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires. Trunking rail is equipped with 3-phase continous wires with 2,5 mm² diameter as standard.

Lifetime: L80B10/ 50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

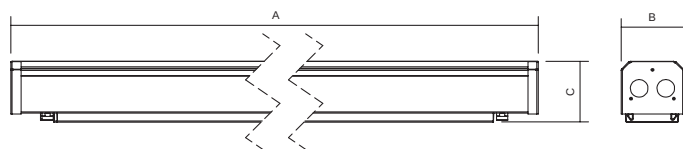
(hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

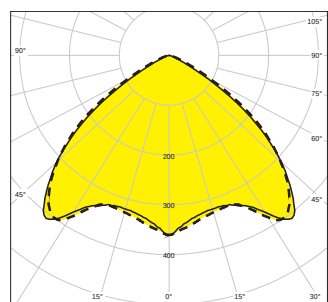
		T _{ca}	(lm)*	(W)**	A ₀ (mm)
– electronic ballast LARO43					
055780	LARO43-LED-S-8000-4K	4000	8170	63	1535 x 70 x 65
055781	LARO43-LED-S-4000-4K	4000	4085	29	1535 x 70 x 65
055782	LARO43-LED-ES-8000-4K	4000	8170	63	1535 x 70 x 65
055783	LARO43-LED-ES-4000-4K	4000	4085	29	1535 x 70 x 65
055784	LARO43-LED-HNB-8000-4K	4000	8170	63	1535 x 70 x 65
055785	LARO43-LED-HNB-4000-4K	4000	4085	29	1535 x 70 x 65
055786	LARO43-LED-AS-8000-4K	4000	8170	63	1535 x 70 x 65
055787	LARO43-LED-AS-4000-4K	4000	4085	29	1535 x 70 x 65

		A (mm)
– LARO 43, trunking rail		
055790	LARO43/III/LED-NL-4605-7x2,5	4605
055791	LARO43/II/LED-NL-3070-7x2,5	3070
055792	LARO43/I/LED-NL-1535-7x2,5	1535

(lm)* - luminous flux, (W)** - input power

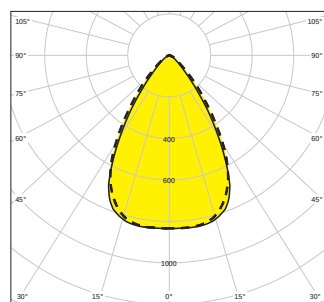


LARO43-LED-ES



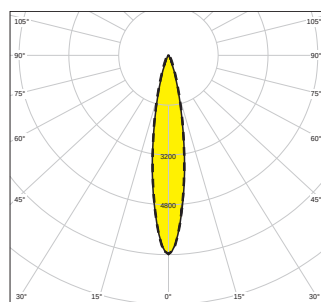
— C0-C180 - - - - C90-C270

LARO43-LED-S



— C0-C180 - - - - C90-C270

LARO43-LED-HNB



— C0-C180 - - - - C90-C270

LARO20-LED

IP 20



Application: direct lighting shops, production areas and warehouses

LARO20-LED – variable modular continuous line system

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC

Body: white painted metal sheet (RAL 9003)

Optics: S – PMMA optics with wide luminous emittance characteristic – wide radiant

H – PMMA optics with narrow luminous emittance characteristic – deep radiant

R – PMMA optics suitable for lighting racking aisles

Fastening: direct fastening on ceiling by means of ceiling fastening brackets, suspension with self-locking suspnders or with suspension brackets

Connection: connector system, max. diameter of wires 2,5 mm². Light fixture is ready to connect two wires. Trunking rail is equipped with 3-phase continuous wires with 2,5 mm² diameter as standard.

Standard equipment: each trunking rail is equiped with connector cat. Line of trunkingrails must be finished by special equipment cat. Nr. 055811 on both sides.

Lifetime: L80B10/ 50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

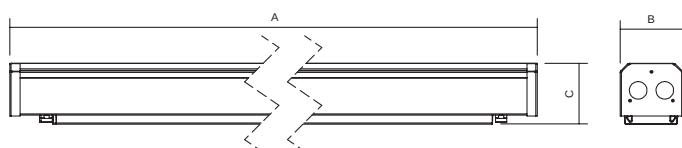
GESIS – possibility to equip light fixtures with connectors

		T ₀	(lm)*	(W)**	AxBxC (mm)
- electronic ballast, LARO20					
055821	LARO20-LED-H-8000-4K	4000	8170	63	1535 x 70 x 76
055820	LARO20-LED-H-4000-4K	4000	4085	29	1535 x 70 x 76
055871	LARO20-LED-S-8000-4K	4000	8170	63	1535 x 70 x 76
055870	LARO20-LED-S-4000-4K	4000	4085	29	1535 x 70 x 76

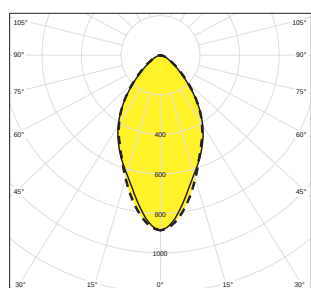
		A (mm)
- LARO 20, trunking rail		
055797	LARO/III/LED-NL-4605-7x2,5	4605
055798	LARO/II/LED-NL-3070-7x2,5	3070
055799	LARO/I/LED-NL-1535-7x2,5	1535

- special equipment	
094458	fastening spring LARO
001721	Wire suspender LARO
004749	Snap-hook 6030 (zinc)
004754	welded chain DIN 5685 C4/4,0
004801	Tightener DIN 1480 M5 suspension bracket
055807	LARO cable suspender
008503	Sealing cable gland
055814	1F Through-wiring connection LARO20-C-LED
055815	3F Through-wiring connection LARO20-C-LED
055811	Cap LARO, bracket
055813	LARO20-LED sealing plug

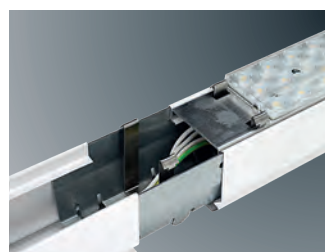
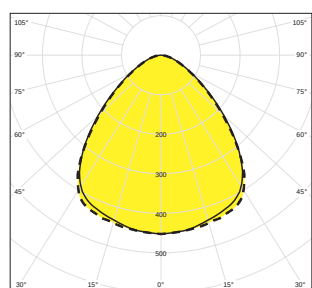
(lm)* - luminous flux, (W)** - input power



LARO20-H-4K, IP20



LARO20-S-4K, IP20





LARO20

IP 20



Application: direct lighting of shops, production and storage halls. This system ensures very quick installation.

LARO20 – variable modular rail system

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: white painted metall sheet RAL 9003

Reflector: Aluminium reflector from high polished aluminium sheet MIRO SILVER® or from white painted metal sheet. We offer the types of reflectors:
HNB – narrow luminous emittance characteristic (deep radiant)
S – wide luminous emittance characteristic (wide distribution)
S-WR – wide luminous emittance characteristic (white wide distribution)

Fastening: Direct fastening on ceiling lighted area by means of ceiling fastening brackets, suspension with wire hangers on fastening brackets or with self-locking wire suspenders or chain on fastening brackets.

Connection: Interface connector system, ropojovací konektorový system, max. diameter of wires 2,5 mm², light fixture is ready to connect two wires. Supporting rail is equipped with 3-phase through wiring with 2,5 mm² diameter.

Standard equipment: Each supporting rail is equipped with connector. Row of supporting rails must be completed on both sides with special equipment – item no. 055810.

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

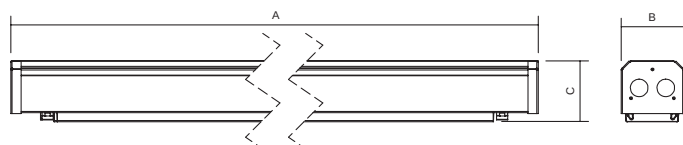
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

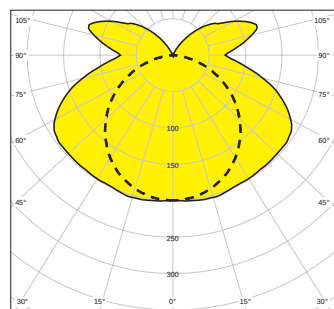
			AxBxC (mm)
- electronic ballast			
055830	LARO20-280, 2x80W	T16/G5	1535 x 70 x 100
055831	LARO20-180, 1x80W		1535 x 70 x 100
055832	LARO20-249, 2x49W		1535 x 70 x 100
055833	LARO20-149, 1x49W		1535 x 70 x 100
055834	LARO20-235, 2x35W		1535 x 70 x 100
055835	LARO20-135, 1x35W		1535 x 70 x 100

			A (mm)
- trunking rail			
055794	LARO/III/80-NL-4605-7x2,5 lišta		4605
055795	LARO/II/80-NL-3070-7x2,5 lišta		3070
055796	LARO/I/80-NL-1535-7x2,5 lišta		1535

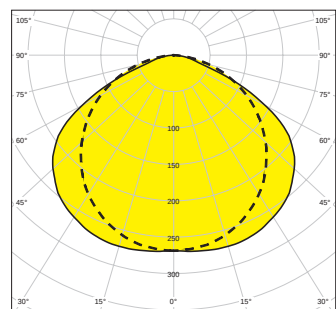
- special equipment	
094458	fastening spring LARO
001721	Wire suspender LARO
004749	Snap-hook 6030 (zinc)
004754	welded chain DIN 5685 C4/4,0
004801	Tightener DIN 1480 M5 suspension bracket
055807	LARO cable suspender (3m)
008503	Sealing cable gland
055814	1F Through-wiring connection LARO20-C
055815	3F Through-wiring connection LARO20-C
094908	Reflector LARO-S 35/49/80W
094909	Reflector LARO-S-WR 35/49/80W
094910	Reflector LARO-HNB 35/49/80W
055810	LARO connector
055812	LARO20 sealing plug



LARO20-280, IP20



LARO20-S-280-WR, IP20



— C0-C180

- - - C90-C270

— C0-C180

- - - C90-C270

SALUKA-LED

IP 66



Application: workshops, cellars, garages, kitchens and production halls.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: tempered safety glass

OP – matt tempered safety glass

Reflector: white painted metal sheet (RAL 9003)

Fastening: direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of suspension brackets with steel or chain.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B10/ 50 000 h/35 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

3000 K, 5000 K, 6000 K – colour temperature

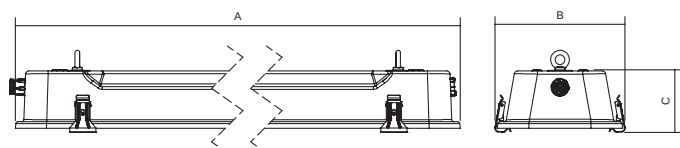
1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

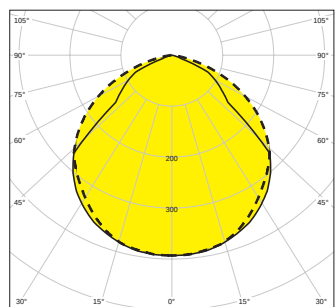
(hydrophobic, oleophobic or antibacterial protection)

NEREZ – body from stainless steel metal sheet

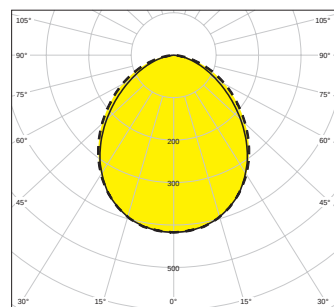
GESIS – possibility to equip light fixtures with connectors



SALUKA-LED-4K, IP66



SALUKA-LED-OP-4K, IP66



— C0-C180

---- C90-C270

— C0-C180

---- C90-C270

		Tc/A	(lm)*	(W)**	ArBxC (mm)
- tempered safety clear glass					
054274	SALUKA-LED-3950-218-3K	3000	3556	29	705 x 192 x 90
054275	SALUKA-LED-4100-218-4K	4000	3691	29	705 x 192 x 90
054270	SALUKA-LED-4600-218-3K	3000	4142	35	705 x 192 x 90
054271	SALUKA-LED-4800-218-4K	4000	4322	35	705 x 192 x 90

		Tc/A	(lm)*	(W)**	ArBxC (mm)
- tempered safety clear glass					
054276	SALUKA-LED-7900-236-3K	3000	7113	58	1305 x 192 x 90
054277	SALUKA-LED-8300-236-4K	4000	7473	58	1305 x 192 x 90
054272	SALUKA-LED-9150-236-3K	3000	8238	71	1305 x 192 x 90
054273	SALUKA-LED-9600-236-4K	4000	8643	71	1305 x 192 x 90

		Tc/A	(lm)*	(W)**	ArBxC (mm)
- tempered safety clear glass					
054280	SALUKA-LED-9850-258-3K	3000	8868	73	1605 x 192 x 90
054281	SALUKA-LED-10350-258-4K	4000	9319	73	1605 x 192 x 90
054278	SALUKA-LED-11400-258-3K	3000	10264	88	1605 x 192 x 90
054279	SALUKA-LED-11950-258-4K	4000	10759	88	1605 x 192 x 90

		Tc/A	(lm)*	(W)**	ArBxC (mm)
- tempered safety opal glass					
054744	SALUKA-LED-OP-3950-218-3K	3000	3556	29	705 x 192 x 90
054745	SALUKA-LED-OP-4100-218-4K	4000	3691	29	705 x 192 x 90
054740	SALUKA-LED-OP-4600-218-3K	3000	4142	35	705 x 192 x 90
054741	SALUKA-LED-OP-4800-218-4K	4000	4322	35	705 x 192 x 90

		Tc/A	(lm)*	(W)**	ArBxC (mm)
- tempered safety opal glass					
054746	SALUKA-LED-OP-7900-236-3K	3000	7113	58	1305 x 192 x 90
054747	SALUKA-LED-OP-8300-236-4K	4000	7473	58	1305 x 192 x 90
054742	SALUKA-LED-OP-9150-236-3K	3000	8238	71	1305 x 192 x 90
054743	SALUKA-LED-OP-9600-236-4K	4000	8643	71	1305 x 192 x 90

		Tc/A	(lm)*	(W)**	ArBxC (mm)
- tempered safety opal glass					
054750	SALUKA-LED-OP-9850-258-3K	3000	8868	73	1605 x 192 x 90
054751	SALUKA-LED-OP-10350-258-4K	4000	9319	73	1605 x 192 x 90
054748	SALUKA-LED-OP-11400-258-3K	3000	10264	88	1605 x 192 x 90
054749	SALUKA-LED-OP-11950-258-4K	4000	10759	88	1605 x 192 x 90

(lm)* - luminous flux, (W)** - input power



SALUKA

IP 66



Application: agricultural areas, workshops, cellars, garages, kitchens and production halls.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of steel suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs suspension bracket and 2 pcs rubber gasket

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

NEREZ – body from stainless steel metal sheet

PC COVER – cover from PC (polycarbonate), IP64 only

AR – aluminium reflector (deep radiant)

PAR – parabolic reflector

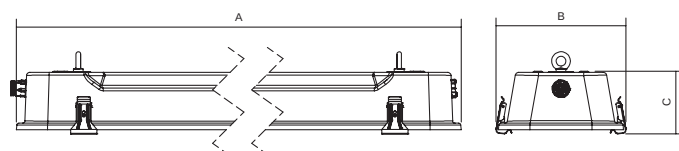
			AbxC (mm)
- electronic ballast			
054306	SALUKA-118-EP, 1x18W	T26/G13	705 x 192 x 90
054307	SALUKA-218-EP, 2x18W		705 x 192 x 90
054308	SALUKA-136-EP, 1x36W		1305 x 192 x 90
054309	SALUKA-236-EP, 2x36W		1305 x 192 x 90
054298	SALUKA-336-EP, 3x36W		1305 x 192 x 90
054310	SALUKA-158-EP, 1x58W		1605 x 192 x 90
054311	SALUKA-258-EP, 2x58W		1605 x 192 x 90
054299	SALUKA-358-EP, 3x58W		1605 x 192 x 90

- electronic ballast			
056170	SALUKA-228-EP, 2x28W	T16/G5	1305 x 192 x 90
056171	SALUKA-254-EP, 2x54W		1305 x 192 x 90
056172	SALUKA-235-EP, 2x35W		1605 x 192 x 90
056173	SALUKA-249-EP, 2x49W		1605 x 192 x 90
056174	SALUKA-280-EP, 2x80W		1605 x 192 x 90

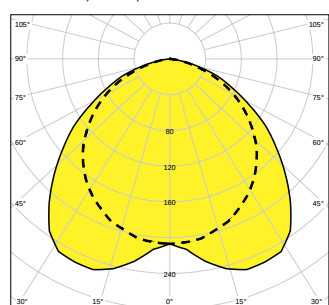
- electronic ballast $t_b=60^\circ\text{C}$			
054756	SALUKA-T60-136-EP INDUSTRY, 1x36W	T16/G5	1305 x 192 x 90
054757	SALUKA-T60-236-EP INDUSTRY, 2x36W		1305 x 192 x 90
054758	SALUKA-T60-158-EP INDUSTRY, 1x58W		1605 x 192 x 90
054759	SALUKA-T60-258-EP INDUSTRY, 2x58W		1605 x 192 x 90

			AbxC (mm)
- maintained emergency lighting, electronic ballast, 1h			
054345	MULTISALUKA-218-EP, 2x18W, 1h	T26/G13	705 x 192 x 90
054349	MULTISALUKA-136-EP, 1x36W, 1h		1305 x 192 x 90
054343	MULTISALUKA-236-EP, 2x36W, 1h		1305 x 192 x 90
054347	MULTISALUKA-158-EP, 1x58W, 1h		1605 x 192 x 90
054341	MULTISALUKA-258-EP, 2x58W, 1h		1605 x 192 x 90

- special equipment			
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
001995	Reflector AR – 2x36W deep radiant		
001996	Reflector AR – 2x58W deep radiant		
051139	Set of ceiling stainless steel bracket SALUKA (2 pcs)		
051145	Pole bracket (50 mm diameter)		

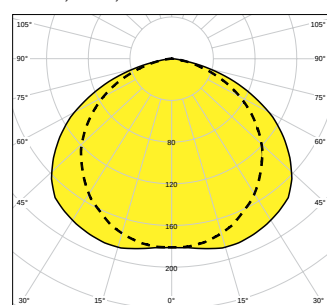


SALUKA-AR, 2x36W, IP66



— C0-C180 — — — C90-C270

SALUKA, 2x36W, IP66



— C0-C180 — — — C90-C270



PITBUL-LED

IP 65



Application: workshops, warehouses, assembly halls and areas with presence of aggressive substances (i.e. oils, fats).

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC

Body: white painted metal sheet (RAL 9003)

Cover: tempered safety glass
OP – matt tempered safety glass

Reflector: white painted metal sheet (RAL 9003)

Fastening: fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the side of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B10/ 50 000 h/35 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

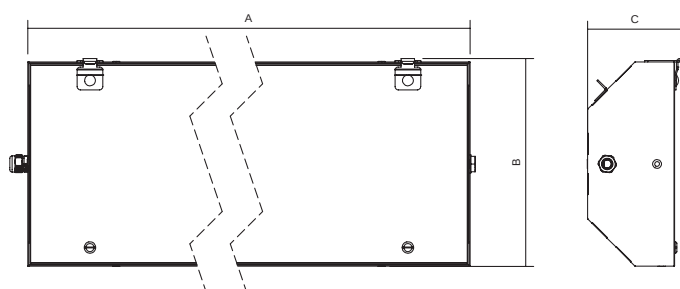
3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

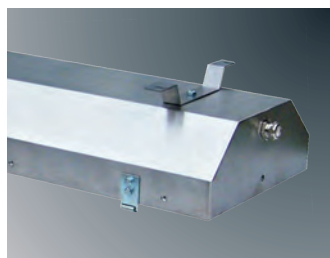
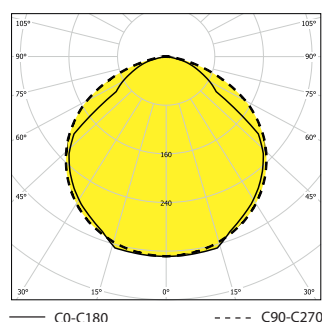
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

NEREZ – body from stainless steel metal sheet

GESIS – possibility to equip light fixtures with connectors



PITBUL-LED, IP65



		T ₀ /K	(lm)*	(W)**	AxB/C (mm)
- transparent glass					
053702	PITBUL-LED-5600-3K	3000	3951	38	701 x 362 x 130
053703	PITBUL-LED-5800-4K	4000	4139	38	701 x 362 x 130
053710	PITBUL-LED-6400-3K	3000	4657	46	701 x 362 x 130
053711	PITBUL-LED-6600-4K	4000	4778	46	701 x 362 x 130
053180	PITBUL-LED-7050-3K	3000	5268	50	701 x 362 x 130
053181	PITBUL-LED-7400-4K	4000	5519	50	701 x 362 x 130
053182	PITBUL-LED-8300-3K	3000	6210	61	701 x 362 x 130
053183	PITBUL-LED-8700-4K	4000	6505	61	701 x 362 x 130

		T ₀ /K	(lm)*	(W)**	AxB/C (mm)
- transparent glass					
053184	PITBUL-LED-12500-3K	3000	9115	91	1312 x 362 x 130
053185	PITBUL-LED-13100-4K	4000	9758	91	1312 x 362 x 130
053186	PITBUL-LED-14350-3K	3000	10678	108	1312 x 362 x 130
053187	PITBUL-LED-15050-4K	4000	11188	108	1312 x 362 x 130
053188	PITBUL-LED-16650-3K	3000	12420	122	1312 x 362 x 130
053189	PITBUL-LED-17450-4K	4000	13010	122	1312 x 362 x 130

		T ₀ /K	(lm)*	(W)**	AxB/C (mm)
- opal glass					
053682	PITBUL-LED-OP-5600-3K	3000	3765	38	701 x 362 x 130
053683	PITBUL-LED-OP-5800-4K	4000	3944	38	701 x 362 x 130
053690	PITBUL-LED-OP-6400-3K	3000	4439	46	701 x 362 x 130
053691	PITBUL-LED-OP-6600-4K	4000	4650	46	701 x 362 x 130
053190	PITBUL-LED-OP-7050-3K	3000	5021	50	701 x 362 x 130
053191	PITBUL-LED-OP-7400-4K	4000	5259	50	701 x 362 x 130
053192	PITBUL-LED-OP-8300-3K	3000	5918	61	701 x 362 x 130
053193	PITBUL-LED-OP-8700-4K	4000	6200	61	701 x 362 x 130

		T ₀ /K	(lm)*	(W)**	AxB/C (mm)
- opal glass					
053194	PITBUL-LED-OP-12500-3K	3000	8875	91	1312 x 362 x 130
053195	PITBUL-LED-OP-13100-4K	4000	9301	91	1312 x 362 x 130
053196	PITBUL-LED-OP-14350-3K	3000	10188	108	1312 x 362 x 130
053197	PITBUL-LED-OP-15050-4K	4000	10685	108	1312 x 362 x 130
053198	PITBUL-LED-OP-16650-3K	3000	11821	122	1312 x 362 x 130
053199	PITBUL-LED-OP-17450-4K	4000	12389	122	1312 x 362 x 130

- special equipment

053940	Set of bracket grips with accessory (2 pcs)
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)
054935	Set of stainless steel ceiling brackets (2 pcs)
004642	Suspension bracket M8 (1 pc)
051146	Pole bracket for Ø50 mm

(lm)* - luminous flux, (W)** - input power



PITBUL-I

IP 65



Application: hard spaces, such as hard industry, further workshops, warehouses, assembly halls and areas with presence of aggressive substances (e.g. oils, fats).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

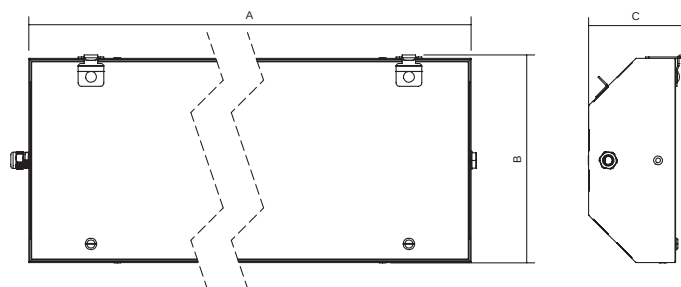
NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

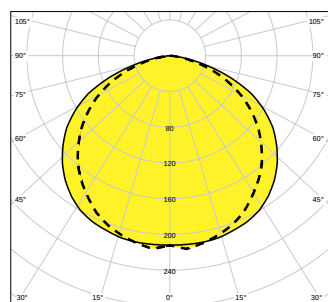
NEREZ – body from stainless steel metal sheet

AR – light fixture equipped with aluminium reflector

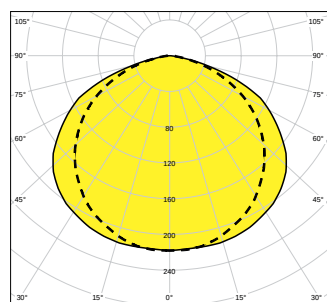


PITBUL-I, 4x58W, IP65

PITBUL-I, 2x36W, IP65



— C0-C180 - - - - C90-C270



— C0-C180 - - - - C90-C270

1				AxBxC (mm)
– electronic ballast				
053915	PITBUL-I-118-EP, 1x18W	T26/G13		701 x 302 x 130
053916	PITBUL-I-218-EP, 2x18W			701 x 302 x 130
053917	PITBUL-I-318-EP, 3x18W			701 x 302 x 130
053918	PITBUL-I-418-EP, 4x18W			701 x 362 x 130
053919	PITBUL-I-136-EP, 1x36W			1312 x 302 x 130
053920	PITBUL-I-236-EP, 2x36W			1312 x 302 x 130
053921	PITBUL-I-336-EP, 3x36W			1312 x 302 x 130
053922	PITBUL-I-436-EP, 4x36W			1312 x 362 x 130
053923	PITBUL-I-158-EP, 1x58W			1611 x 302 x 130
053924	PITBUL-I-258-EP, 2x58W			1611 x 302 x 130
053925	PITBUL-I-358-EP, 3x58W			1611 x 302 x 130
053926	PITBUL-I-458-EP, 4x58W			1611 x 362 x 130

1				AxBxC (mm)
– electronic ballast				
056200	PITBUL-I-228-EP, 2x28W	T16/G5		1312 x 302 x 130
056201	PITBUL-I-328-EP, 3x28W			1312 x 302 x 130
056202	PITBUL-I-428-EP, 4x28W			1312 x 362 x 130
056203	PITBUL-I-254-EP, 2x54W			1312 x 302 x 130
056204	PITBUL-I-354-EP, 3x54W			1312 x 302 x 130
056205	PITBUL-I-454-EP, 4x54W			1312 x 362 x 130
056206	PITBUL-I-235-EP, 2x35W			1611 x 302 x 130
056207	PITBUL-I-335-EP, 3x35W			1611 x 302 x 130
056208	PITBUL-I-435-EP, 4x35W			1611 x 362 x 130
056209	PITBUL-I-249-EP, 2x49W			1611 x 302 x 130
056210	PITBUL-I-349-EP, 3x49W			1611 x 302 x 130
056211	PITBUL-I-449-EP, 4x49W			1611 x 362 x 130
056212	PITBUL-I-280-EP, 2x80W			1611 x 302 x 130
056213	PITBUL-I-380-EP, 3x80W			1611 x 302 x 130
056214	PITBUL-I-480-EP, 4x80W			1611 x 362 x 130

– special equipment				
053940	Set of bracket grips with accessory (2 pcs)			
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)			
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)			
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)			
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)			
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)			
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)			
054935	Set of stainless steel ceiling brackets (2 pcs)			
004642	Suspension bracket M8 (1 pc)			
051146	Pole bracket for Ø50 mm			



RIDGE20

IP 20



Application: as per luminous characteristic and excellent efficiency are suitable for mounting in high areas

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC

Body: white painted metal sheet (RAL 9003)

Optics: S – PMMA optics with wide luminous emittance characteristic – wide radiant

H – PMMA optics with narrow luminous emittance characteristic – deep radiant

R – PMMA optics suitable for lighting racking aisles

Fastening: suspension via cable suspension mechanism

Connection: Three-pole or five-pole WAGO connector

Lifetime: L80B10/ 50 000 h/35 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

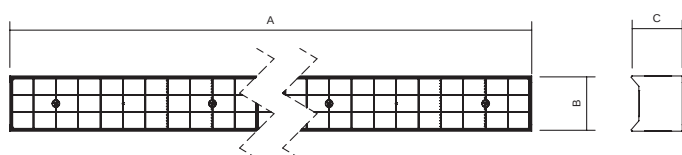
GESIS – possibility to equip light fixtures with connectors

		T _{0.5}	(lm)*	(W)**	AxBxC (mm)
- electronic ballast					
050160	RIDGE20-H-4900-4K	4000	4678	37	861 x 64,5 x 60
050161	RIDGE20-H-6550-4K	4000	6237	49	1147 x 64,5 x 60
050162	RIDGE20-H-8200-4K	4000	7796	62	1433 x 64,5 x 60
050163	RIDGE20-H-9800-4K	4000	9356	74	1719 x 64,5 x 60
050164	RIDGE20-S-4900-4K	4000	4678	37	861 x 64,5 x 60
050165	RIDGE20-S-6550-4K	4000	6237	49	1147 x 64,5 x 60
050166	RIDGE20-S-8200-4K	4000	7796	62	1433 x 64,5 x 60
050167	RIDGE20-S-9800-4K	4000	9356	74	1719 x 64,5 x 60
050168	RIDGE20-R-4900-4K	4000	4678	37	861 x 64,5 x 60
050169	RIDGE20-R-6550-4K	4000	6237	49	1147 x 64,5 x 60
050170	RIDGE20-R-8200-4K	4000	7796	62	1433 x 64,5 x 60
050171	RIDGE20-R-9800-4K	4000	9356	74	1719 x 64,5 x 60

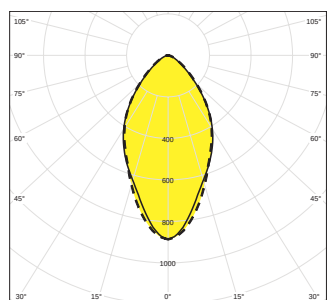
- special equipment

119999 Cable suspender – I (1 pc)

(lm)* - luminous flux, (W)** - input power



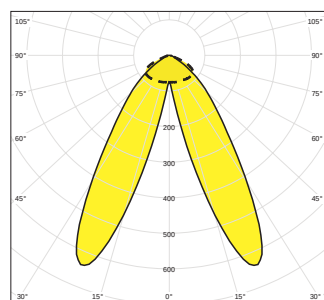
RIDGE20-H-4K, IP20



— C0-C180

---- C90-C270

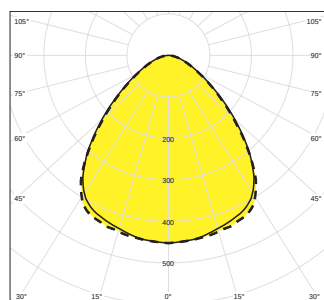
RIDGE20-R-4K, IP20



— C0-C180

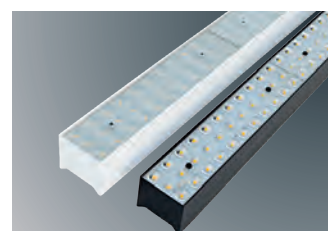
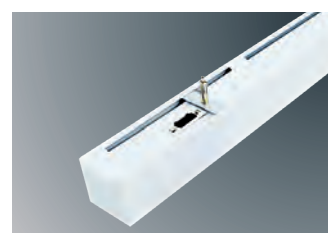
---- C90-C270

RIDGE20-S-4K, IP20



— C0-C180

---- C90-C270



RIDGE43

IP 43



Application: as per luminous characteristic and excellent efficiency are suitable for mounting in high areas with requirement for higher protection degree (IP).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC

Body: white painted metal sheet (RAL 9003)

Optics: S – PMMA optics with wide luminous emittance characteristic – wide radiant

H – PMMA optics with narrow luminous emittance characteristic – deep radiant

R – PMMA optics suitable for lighting racking aisles

Fastening: suspension via suspension brackets

Connection: Three-pole or five-pole WAGO connector

Lifetime: L80B10/ 50 000 h/35 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

3000 K, 5000 K, 6000 K – colour temperature

1/3 F – one or three phase wiring connection

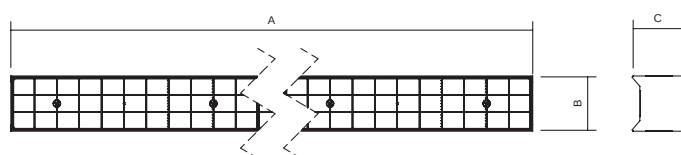
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T ₀	(lm)*	(W)**	Ax(B)xH (mm)
– electronic ballast					
050176	RIDGE43-H-4900-4K	4000	4678	37	861 x 64,5 x 60
050177	RIDGE43-H-6550-4K	4000	6237	49	1147 x 64,5 x 60
050178	RIDGE43-H-8200-4K	4000	7796	62	1433 x 64,5 x 60
050179	RIDGE43-H-9800-4K	4000	9356	74	1719 x 64,5 x 60
050180	RIDGE43-S-4900-4K	4000	4678	37	861 x 64,5 x 60
050181	RIDGE43-S-6550-4K	4000	6237	49	1147 x 64,5 x 60
050182	RIDGE43-S-8200-4K	4000	7796	62	1433 x 64,5 x 60
050183	RIDGE43-S-9800-4K	4000	9356	74	1719 x 64,5 x 60
050184	RIDGE43-R-4900-4K	4000	4678	37	861 x 64,5 x 60
050185	RIDGE43-R-6550-4K	4000	6237	49	1147 x 64,5 x 60
050186	RIDGE43-R-8200-4K	4000	7796	62	1433 x 64,5 x 60
050187	RIDGE43-R-9800-4K	4000	9356	74	1719 x 64,5 x 60

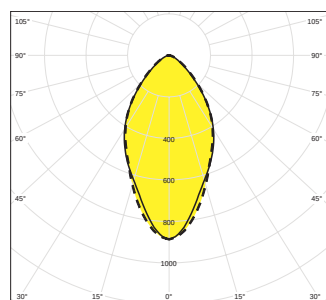
– special equipment

003578 Suspension bracket M5x10

(lm)* - luminous flux, (W)** - input power

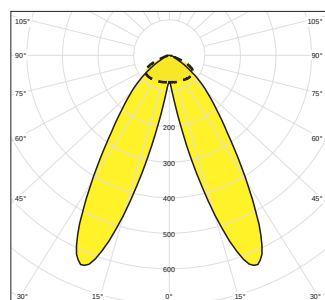


RIDGE43-H-4K, IP43



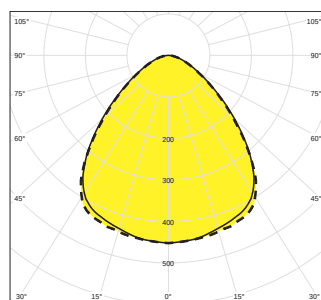
— C0-C180 - - - - C90-C270

RIDGE43-R-4K, IP43

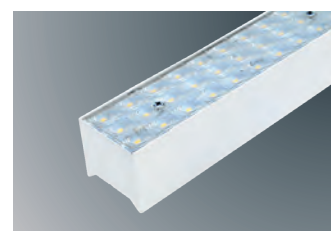
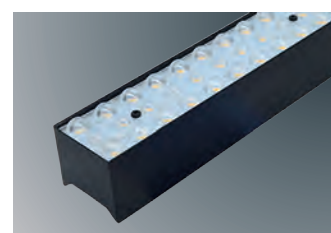


— C0-C180 - - - - C90-C270

RIDGE43-S-4K, IP43



— C0-C180 - - - - C90-C270



FILA-I

IP 65



Application: recessed installation for lighting workshops, assembly lines and areas with presence of aggressive substances (e.g. oils, fats).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC/DC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening to the false ceiling on the wall (care must be taken on a sufficiently rigid carrier substrate)

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

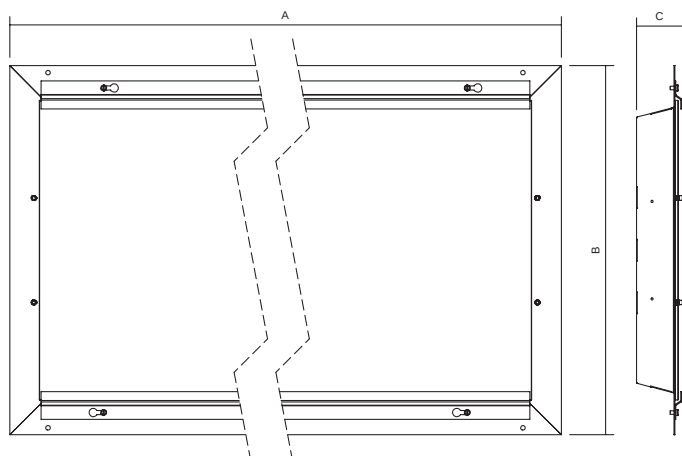
RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

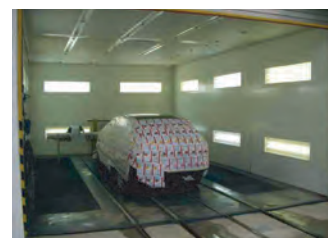
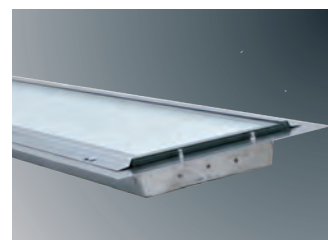
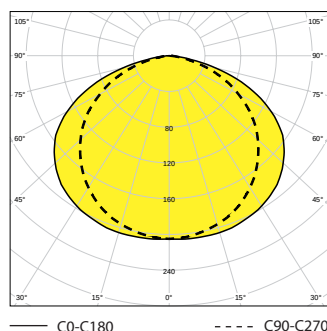
NEREZ – body from stainless steel sheet



			AuB/C (mm)	AuB* (mm)
– electronic ballast				
053971	FILA-I-236-EP, 2x36 W	T26/G13	1370 x 380 x 65	1250 x 332
053967	FILA-I-336-EP, 3x36 W		1370 x 530 x 65	1250 x 482
053966	FILA-I-436-EP, 4x36 W		1370 x 530 x 65	1250 x 482
053970	FILA-I-258-EP, 2x58 W		1670 x 380 x 65	1550 x 332
053965	FILA-I-358-EP, 3x58 W		1670 x 530 x 65	1550 x 482
053964	FILA-I-458-EP, 4x58 W		1670 x 530 x 65	1550 x 482
– electronic ballast				
056080	FILA-I-328-EP, 3x28 W	T16/G5	1370 x 530 x 65	1250 x 482
056081	FILA-I-428-EP, 4x28 W		1370 x 530 x 65	1250 x 482
056082	FILA-I-354-EP, 3x54 W		1370 x 530 x 65	1250 x 482
056083	FILA-I-454-EP, 4x54 W		1370 x 530 x 65	1250 x 482
056084	FILA-I-335-EP, 3x35 W		1670 x 530 x 65	1550 x 482
056085	FILA-I-435-EP, 4x35 W		1670 x 530 x 65	1550 x 482
056086	FILA-I-349-EP, 3x49 W		1670 x 530 x 65	1550 x 482
056087	FILA-I-449-EP, 4x49 W		1670 x 530 x 65	1550 x 482
056088	FILA-I-380-EP, 3x80 W		1670 x 530 x 65	1550 x 482
056089	FILA-I-480-EP, 4x80 W		1670 x 530 x 65	1550 x 482
– special equipment				
008029	Cable gland PG 13,5 with nut, RAL7004			
008501	M20 sealing plug, grey, incl. gasket and nut			

* dimension of mounting hole

FILA-I, 4x58W, IP65





MASTIF

IP 54



Application: hard spaces (heavy industry), assembly halls, paint shops, welding shops and control centers in car industry.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: Highly polished aluminium sheet

Fastening: Using rotary arms fastened to the wall or ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs rotary arm

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

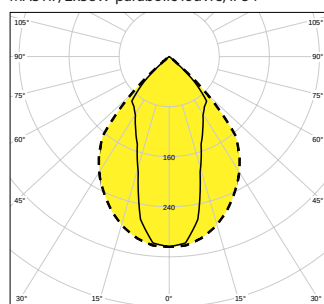
1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

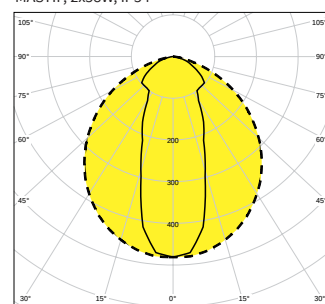
NEREZ – body from stainless steel metal sheet

– electronic ballast				
050118	MASTIF-218-EP, 2x18 W			645 x 362 x 90
050115	MASTIF-136-EP, 1x36 W			1255 x 188 x 110
050116	MASTIF-236-EP, 2x36 W	T26/G13		1255 x 362 x 90
050113	MASTIF-158-EP, 1x58 W			1555 x 188 x 110
050114	MASTIF-258-EP, 2x58 W			1555 x 362 x 90
– special equipment				
050131	Parabolic louvre 2x18W			
050132	Parabolic louvre 1x36W			
050133	Parabolic louvre 2x36W			
050134	Parabolic louvre 1x58W			
050135	Parabolic louvre 2x58W			

MASTIF, 2x58W-parabolic louvre, IP54



MASTIF, 2x58W, IP54

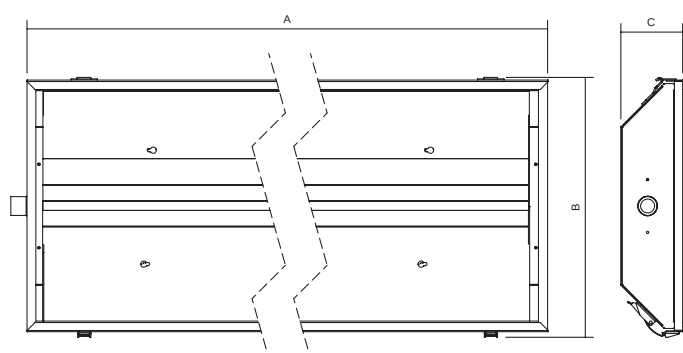


— C0-C180

--- C90-C270

— C0-C180

--- C90-C270



DOGA

IP 54



Application: checkpoints and control tunnels in car industry.

Ballast: DIM – dimmable electronic ballast (1-10 V), 220-240 V/50 Hz AC, 220-240 V DC

Body: White painted metal sheet RAL9003

Cover: White painted metal sheet frame with tempered safety glass, cover strips and denticular plexiglas

Reflector: Highly polished aluminium sheet

Fastening: Mounting on the supporting structure by means of welded bolts

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

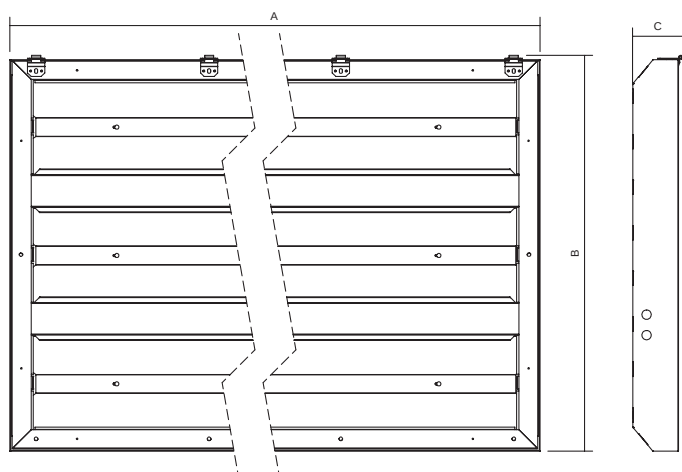
NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

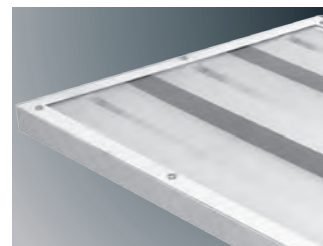
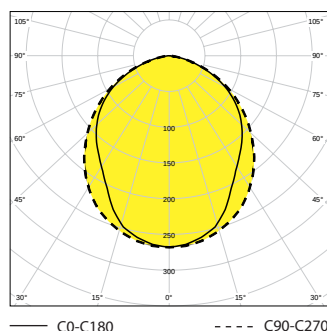
GESIS – possibility to equip light fixtures with connectors

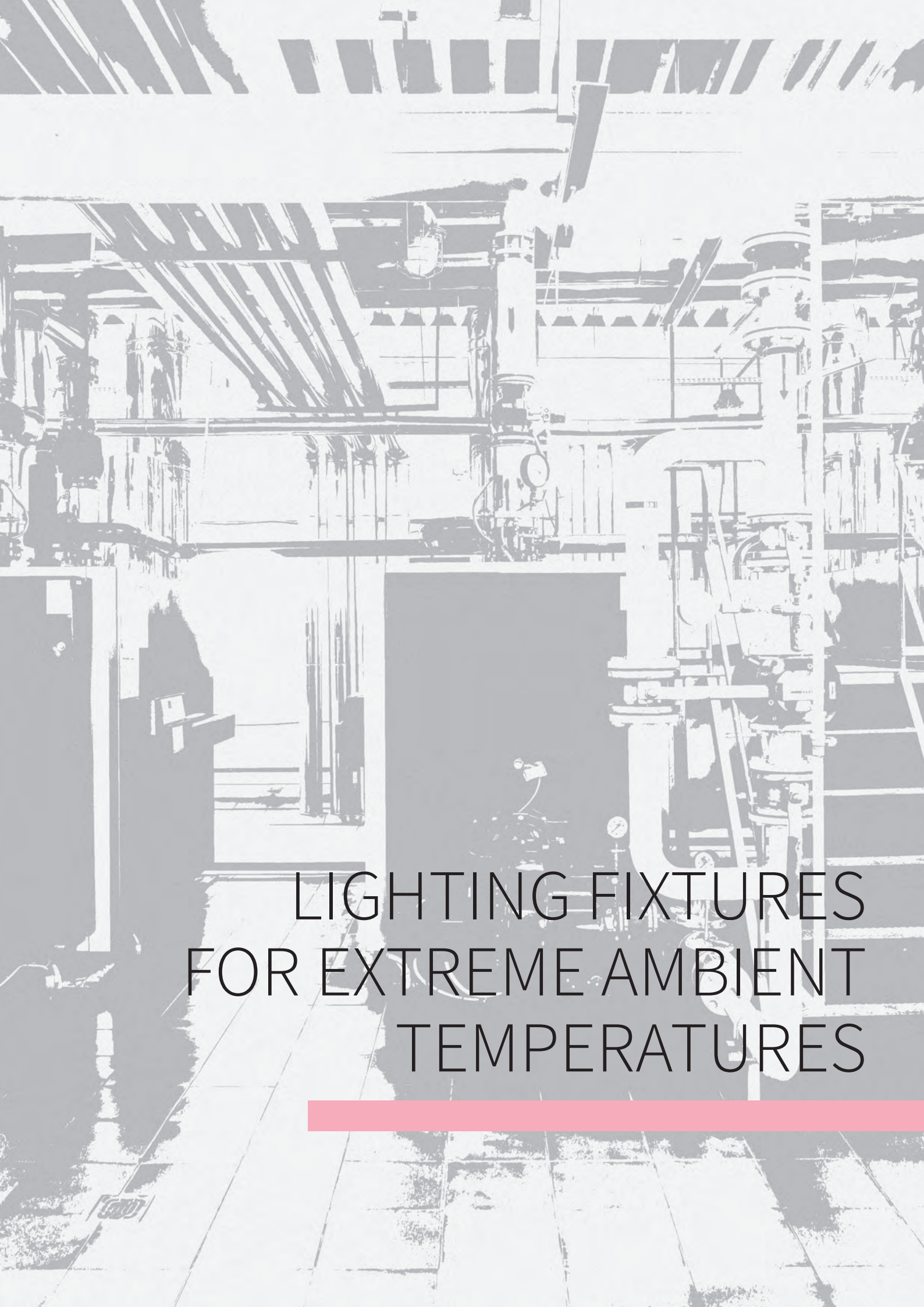
			AvBx (mm)
- dimmable electronic ballast 1-10V			
050151	DOGA-336-EP-DIM, 3x36 W	T26/G13	1255 x 860 x 100
050150	DOGA-358-EP-DIM, 3x58 W		1556 x 860 x 100

- used lamps: 2 x Osram Lumilux L58/865 (6500 K), 1 x Osram Lumilux L58/840 (4000 K)



DOGA, 3x36W, IP54



A photograph of an industrial facility, likely a refinery or chemical plant. The scene is dominated by large, cylindrical storage tanks and a complex network of pipes and structural steel. The lighting is bright, creating strong shadows and highlights on the metallic surfaces. The overall atmosphere is industrial and functional.

LIGHTING FIXTURES FOR EXTREME AMBIENT TEMPERATURES



EUROPA-PLUS

IP 66



Application: workshops, cellars, garages, warehouses, public and manufacturing spaces.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PC (polycarbonate), grey RAL 7035

Cover: Plastic material PC (transparent polycarbonate)

Reflector: White painted metal sheet RAL 9003

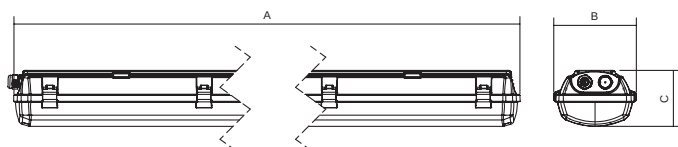
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

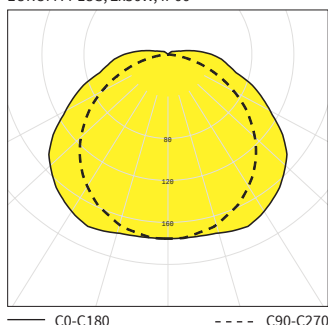
Standard equipment: 1 pc sealing cable gland, 2 pcs fastening brackets, double clamp for power cables

On request: 1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AsBc (mm)
055410	EUROPA-PLUS-218-EP, 2x18W, IP66		670 x 152 x 102
055411	EUROPA-PLUS-236-EP, 2x36W, IP66	T26/G13	1280 x 152 x 102
055412	EUROPA-PLUS-258-EP, 2x58W, IP66		1580 x 152 x 102



EUROPA-PLUS, 2x36W, IP66



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE



EXTRA-PLUS

IP 66



Application: workshops, cellars, garages, warehouses, public and manufacturing spaces.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PC (polycarbonate), grey RAL 7035

Cover: Plastic material PC (transparent polycarbonate)

Reflector: White painted metal sheet RAL 9003

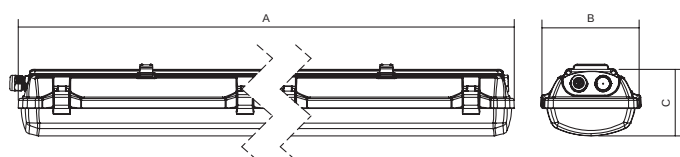
Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders or steel wire hangers

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

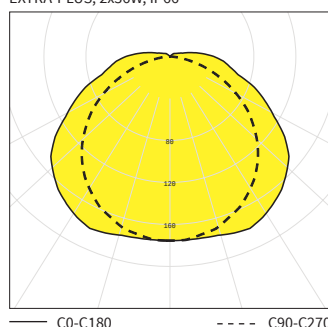
Standard equipment: 1 pc sealing cable gland, 2 pcs fastening brackets, double clamp for power cables

On request: 1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AsBc (mm)
055415	EXTRA-PLUS-218-EP, 2x18W, IP66		670 x 152 x 105
055416	EXTRA-PLUS-236-EP, 2x36W, IP66	T26/G13	1280 x 152 x 105
055417	EXTRA-PLUS-258-EP, 2x58W, IP66		1580 x 152 x 105



EXTRA-PLUS, 2x36W, IP66



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE

SALUKA-LED-FROST

IP 66



Application: areas with ambient temperature from -40 °C to +40 °C, suitable for cooling boxes, agricultural areas, workshops, garages.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V 0 Hz DC

Body: White painted metal sheet RAL 9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of steel suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Lifetime : L90B10 /60 000 h/25 °C

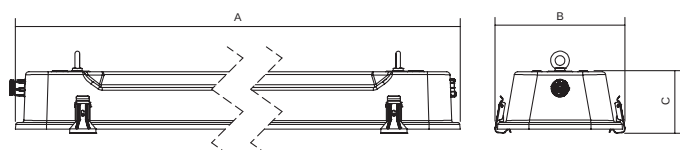
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs suspension bracket and 2 pcs rubber gasket

On request: 1/3 F – one or three phase through-wiring connection

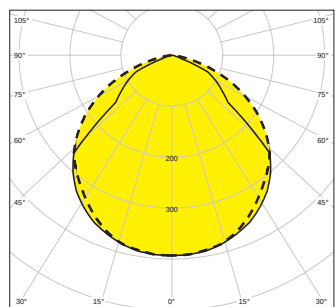
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

NEREZ – body from stainless steel metal sheet

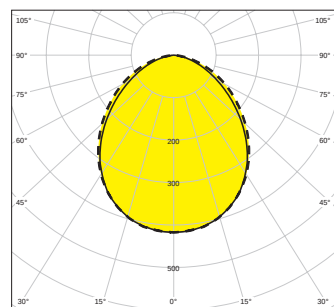
GESIS – possibility to equip light fixtures with connectors



SALUKA-LED-FROST-4K, IP66



SALUKA-LED-FROST-OP-4K, IP66



— C0-C180 - - - - C90-C270 — C0-C180 - - - - C90-C270

1		Tc/A	(lm)*	(W)**	AxBxC (mm)
---	--	------	-------	-------	------------

- transparent glass

054591	SALUKA-LED-FROST-4400-218-3K	3000	4150	33	705 x 192 x 90
054592	SALUKA-LED-FROST-4650-218-4K	4000	4347	33	705 x 192 x 90
054593	SALUKA-LED-FROST-5100-218-3K	3000	4740	28	705 x 192 x 90
054594	SALUKA-LED-FROST-5350-218-4K	4000	4966	28	705 x 192 x 90

1		Tc/A	(lm)*	(W)**	AxBxC (mm)
---	--	------	-------	-------	------------

- transparent glass

054595	SALUKA-LED-FROST-8800-236-3K	3000	8300	56	1305 x 192 x 90
054596	SALUKA-LED-FROST-9250-236-4K	4000	8694	56	1305 x 192 x 90
054597	SALUKA-LED-FROST-10150-236-3K	3000	9480	66	1305 x 192 x 90
054598	SALUKA-LED-FROST-10650-236-4K	4000	10572	66	1305 x 192 x 90

1		Tc/A	(lm)*	(W)**	AxBxC (mm)
---	--	------	-------	-------	------------

- opal glass

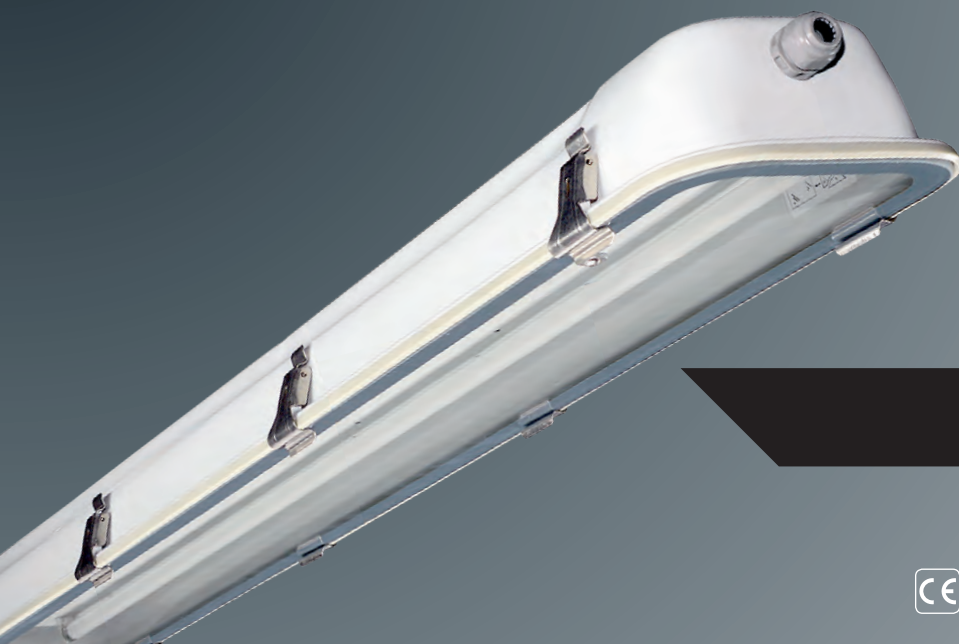
054690	SALUKA-LED-FROST-OP-4000-218-3K	3000	3943	28	705 x 192 x 90
054691	SALUKA-LED-FROST-OP-4200-218-4K	4000	4130	28	705 x 192 x 90
054692	SALUKA-LED-FROST-OP-4600-218-3K	3000	4503	33	705 x 192 x 90
054693	SALUKA-LED-FROST-OP-4800-218-4K	4000	4718	33	705 x 192 x 90

1		Tc/A	(lm)*	(W)**	AxBxC (mm)
---	--	------	-------	-------	------------

- opal glass

054694	SALUKA-LED-FROST-OP-8000-236-3K	3000	7885	56	1305 x 192 x 90
054695	SALUKA-LED-FROST-OP-8400-236-4K	4000	8259	56	1305 x 192 x 90
054696	SALUKA-LED-FROST-OP-9200-236-3K	3000	9006	66	1305 x 192 x 90
054697	SALUKA-LED-FROST-OP-9700-236-4K	4000	10043	66	1305 x 192 x 90

(lm)* - luminous flux, (W)** - input power



SALUKA-T60/FROST

IP 66



Application: areas with maximum ambient temperature 60 °C.

SALUKA-FROST light fixture is designed for lighting areas with minimum ambient temperature -40 °C.

Ballast: K – electromagnetic ballast 230 V/50 Hz, with parallel compensation

EP – electronic 220 – 240 V / 50-60 Hz AC, 176-280 V 0 Hz DC

Body: White painted metal sheet RAL 9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of steel suspension brackets with chain

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: SALUKA-T60: 2 pcs cable gland, 1 pc sealing plug, 2 pcs rubber sealing, 2 pcs washer, 4 pcs nut, 1 or 2 pcs starter

SALUKA-FROST: 2 pcs brass cable gland, 1 pc brass sealing plug, 2 pcs rubber sealing, 2 pcs washer, 4 pcs nut, pulse starter, AURA tubes 18/36/58 W/840 according to the type

On request: 1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel metal sheet

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip light fixtures with connectors

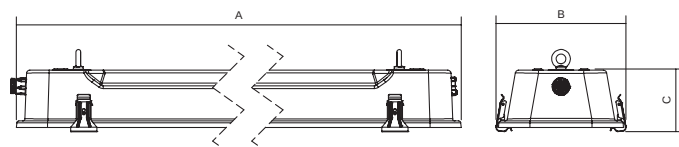
			AsB/C (mm)
- inductive ballast – t_a 60 °C			
054296	SALUKA-T60-118-K, 1x18W	T26/G13	705 x 192 x 90
054292	SALUKA-T60-218-K, 2x18W		705 x 192 x 90
054318	SALUKA-T60-136-K, 1x36 W		1305 x 192 x 90
054319	SALUKA-T60-236-K, 2x36 W		1305 x 192 x 90
054320	SALUKA-T60-158-K, 1x58 W		1605 x 192 x 90
054321	SALUKA-T60-258-K, 2x58 W		1605 x 192 x 90

			AsB/C (mm)
- inductive ballast – t_a ≥ -40 °C			
054581	SALUKA-FROST-118, 1x18W	T26/G13	705 x 192 x 90
054580	SALUKA-FROST-218, 2x18W		705 x 192 x 90
054322	SALUKA-FROST-136, 1x36 W		1305 x 192 x 90
054323	SALUKA-FROST-236, 2x36 W		1305 x 192 x 90
054324	SALUKA-FROST-158, 1x58 W		1605 x 192 x 90
054325	SALUKA-FROST-258, 2x58 W		1605 x 192 x 90

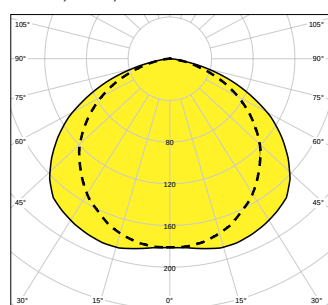
- special equipment			
051139	Set of ceiling stainless steel bracket SALUKA (2 pcs)		
001995	Reflector AR – 2x36W deep radiant		
001996	Reflector AR – 2x58W deep radiant		
051145	Pole bracket (50mm diameter)		

- special equipment SALUKA-T60			
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
005039	Starter up to 100°C		

- special equipment SALUKA-FROST			
008075	Brass cable gland M20x1,5		
008076	Brass nut M20x1,5		
008079	Brass sealing plug M20		
008080	Gasket for brass sealing plug and cable gland		
005037	Pulse starter		



SALUKA, 2x36W, IP66



— C0-C180 - - - - C90-C270





EXTREME-PLUS/MINUS

IP 65



Application: areas with maximum ambient temperature +75 °C.

EXTREME-MINUS light fixture is designed for lighting areas with minimum ambient temperature -40 °C

Ballast: K – electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Aluminium alloy with eloxal coating finish of surface, plastic sides from polycarbonate at the ends of body, chemical resistance

Cover: Tempered safety glass

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall by means of two adjustable brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: EXTREME-PLUS - 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs adjustable bracket, starters EXTREME-MINUS - 1 pc sealing cable gland, 1 pc sealing plug, pulse starter, AURA tubes 18/36/58 W/840 according to the type

On request: 1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
GESIS – possibility to equip light fixtures with connectors

				Abx (mm)
- inductive ballast – t_a ≥ 75°C				
054446	EXTREME-PLUS-218-K, 2x18W	T26/G13		720 x 105 x 165
054449	EXTREME-PLUS-118-K, 1x18W			720 x 105 x 165
054450	EXTREME-PLUS-136-K, 1x36 W			1320 x 105 x 165
054451	EXTREME-PLUS-236-K, 2x36 W			1320 x 105 x 165
054452	EXTREME-PLUS-158-K, 1x58 W			1620 x 105 x 165
054453	EXTREME-PLUS-258-K, 2x58 W			1620 x 105 x 165

				Abx (mm)
- inductive ballast – t_a ≤ -40°C				
054448	EXTREME-MINUS-118, 1x18W	T26/G13		720 x 105 x 165
054447	EXTREME-MINUS-218, 2x18W			720 x 105 x 165
054454	EXTREME-MINUS-136, 1x36 W			1320 x 105 x 165
054455	EXTREME-MINUS-236, 2x36 W			1320 x 105 x 165
054456	EXTREME-MINUS-158, 1x58 W			1620 x 105 x 165
054457	EXTREME-MINUS-258, 2x58 W			1620 x 105 x 165

- special equipment				
008029	Cable gland PG 13,5 with nut, RAL7004			
008501	M20 sealing plug, grey, incl. gasket and nut			

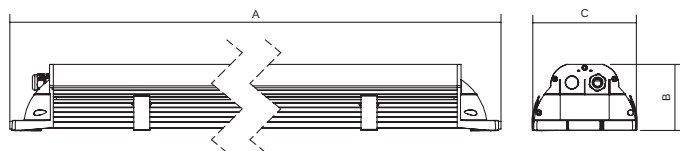
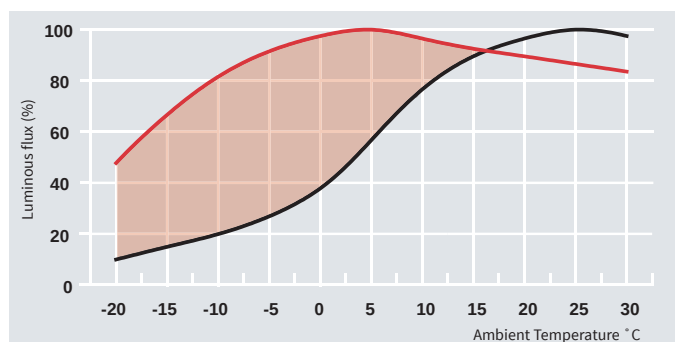
This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade.

ČVUT – Faculty of Electrical Engineering cooperated on this project.

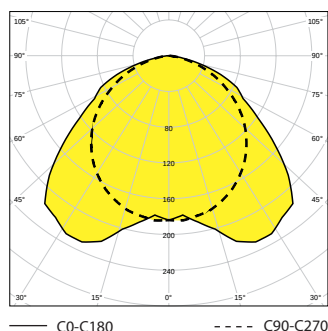


— 58W Thermo LL, 38 mm

— 58W, 26 mm



EXTREME-PLUS, 2x36W, IP65





MASTIF-T70

IP 54



Application: areas with maximum ambient temperature 70 °C.

Ballast: K – electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: Highly polished aluminium sheet

Fastening: Using rotary arms fastened to the wall or ceiling

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs rotary arm

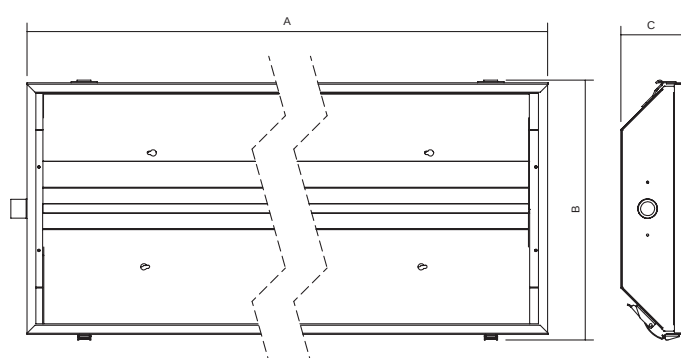
On request: 1/3 F – one or three phase through-wiring connection

RAL – another colour finishing

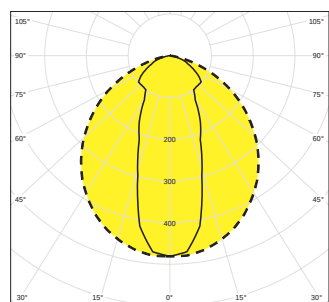
NEREZ – body from stainless steel metal sheet

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

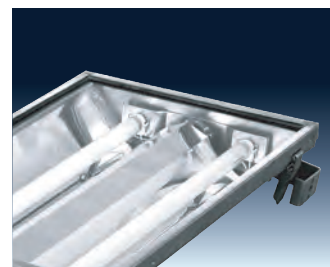
			AsBxC (mm)
- inductive ballast			
050110	MASTIF – T70-218-K, 2x18 W		640 x 365 x 90
050111	MASTIF – T70-236-K, 2x36 W	T26/G13	1250 x 365 x 90
050112	MASTIF – T70-258-K, 2x58 W		1550 x 365 x 90
- special equipment			
008006	Cable gland M20		
008027	Safety nut M20		
008501	M20 sealing plug, grey, incl. gasket and nut		



MASTIF-T70, 2x36W, IP54



— CO-C180 - - - - C90-C270





V-T60

IP 65



Application: areas with maximum ambient temperature 60 °C.

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp $\geq$ 198 V DC)

Body: Plastic material **GPR** (polystyrene filled with fibreglass), grey colour RAL7035

Cover: Plastic material **SAN** (styrene-acrylonitrile), transparent colour

Reflector: White painted metal sheet RAL 9003

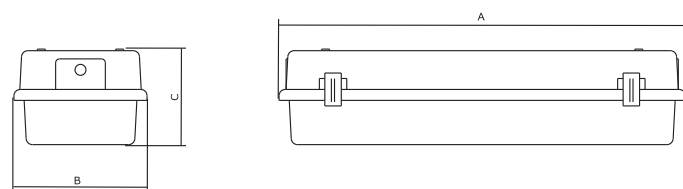
Fastening: Direct fastening on ceiling or wall lighted area or suspension with suspension brackets

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

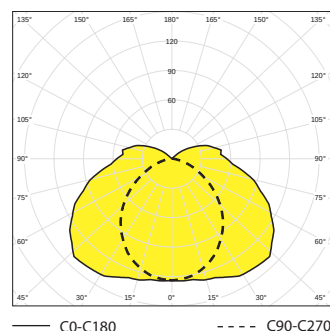
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **1/3 F** – one or three phase through-wiring connection
GESIS – possibility to equip light fixtures with connectors
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			
- inductive ballast			
050047	2V18-T60-218, 2x18W	T26/G13	675 x 170 x 108
050014	2V36-T60-236, 2x36W		1275 x 170 x 108
050016	2V58-T60-258, 2x58W		1575 x 170 x 108
050048	2V18-T60-218-K, 2x18W		675 x 170 x 108
050015	2V36-T60-236-K, 2x36W		1275 x 170 x 108
050017	2V58-T60-258-K, 2x58W		1575 x 170 x 108
			
- electronic ballast			
050018	2V36-T60-236-EP, 2x36W	T26/G13	1275 x 170 x 108
050019	2V58-T60-258-EP, 2x58W		1575 x 170 x 108
- special equipment			
051106	Plastic suspension bracket with accessories		
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
051101	Accessories for 3-phase through-wiring connection 2V36		
051103	Accessories for 3-phase through-wiring connection 2V58		



2V36-T60, 2x36W, IP65





GOLIÁŠ-T60

IP 23, IP 54



Application: areas with maximum ambient temperature 60 °C.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Aluminium profiles with plastic sides from **ABS** (acrylonitrile-butadiene-styrene) at the ends

Reflector: Parabolic aluminium reflector (on request)

Cover: Tempered safety glass (only IP54 finishing)

Fastening: Suspension by means of wire, chain or carrier rope

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

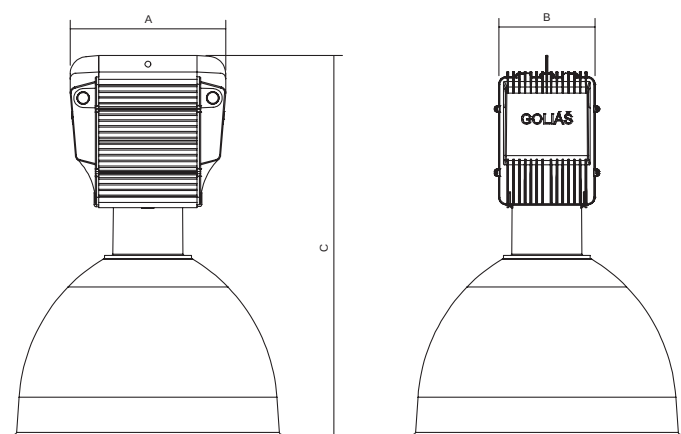
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **NANO** – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

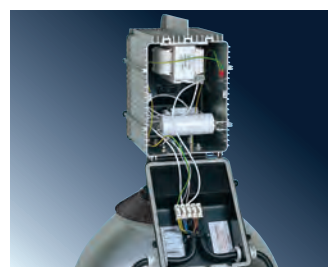
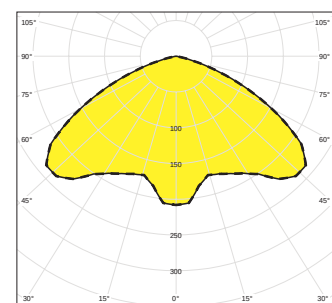
				AvbC (mm)
- inductive ballast IP 23				
053334	GOLIÁŠ-T60-250S, 1x250W		HSE/E40	510 x 166 x 665
053338	GOLIÁŠ-T60-250H, IP23, 3,0A, 1x250W		HIE/E40	510 x 166 x 665
053335	GOLIÁŠ-T60-400S, 1x400W		HSE/E40	510 x 166 x 665
053339	GOLIÁŠ-T60-400H, IP23, 4,2A, 1x400W		HIE/E40	510 x 166 x 665
- special equipment				
002473	GOLIÁŠ – parabolic aluminium reflector			
				AvbC (mm)
- inductive ballast IP 54				
053345	GOLIÁŠ-T60-250S, 1x250W		HSE/E40	510 x 166 x 665
053347	GOLIÁŠ-T60-250H, IP54, 3,0A, 1x250W		HIE/E40	510 x 166 x 665
053346	GOLIÁŠ-T60-400S, 1x400W		HSE/E40	510 x 166 x 665
053348	GOLIÁŠ-T60-400H, IP54, 4,2A, 1x400W		HIE/E40	510 x 166 x 665
- special equipment				
002473	GOLIÁŠ – parabolic aluminium reflector			
002474	Protective glass			

Marking:

S – high pressure sodium discharge lamp, **H** – metal halide lamp



GOLIÁŠ-T60, 1x400W, IP23



K-3-T60

IP 65



Application: areas with maximum ambient temperature 60 °C.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Alluminium casting

Cover: Tempered safety glass

Reflector: Aluminium hammer plate, anodized surface

Fastening: Fastening on the base by means of positioning bracket grips

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

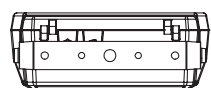
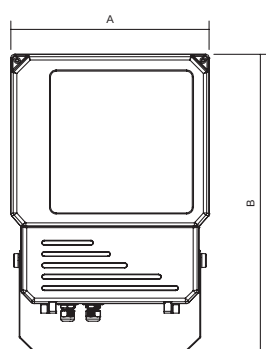
Standard equipment: 2 pcs sealing cable gland

On request: **GESIS** – possibility to equip light fixtures with connectors
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

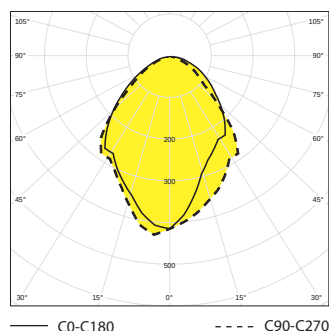
			AvbC (mm)
K-3			
054544	K-3-150S-T60-SYM, 1x150W	HST/E40	452 x 660 x 180
054545	K-3-150S-T60-ASYM, 1x150W		452 x 660 x 180
054546	K-3-150H-T60-SYM, 1x150W	HIT/E40	452 x 660 x 180
054547	K-3-150H-T60-ASYM, 1x150W		452 x 660 x 180

S – high pressure sodium discharge lamp, H – metal halide lamp

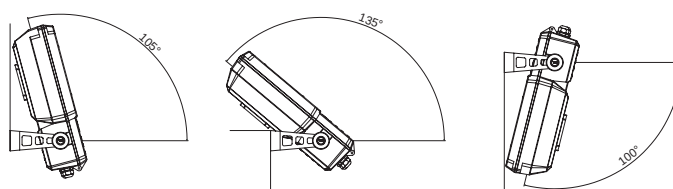
THE LIGHT FIXTURES WITH E40 LAMPHOLDER CAN BE USED WITH TUBULAR LAMPS



K-3-T60-400H-S, 1x400W



Permissible positions during operation of light fixture





LIGHTING FIXTURES FOR HIGH RISK OF DAMAGE

GALGO

IP 65



Application: areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC

Body: White painted metal sheet RAL 9003

Cover: Plastic material PC (polycarbonate), impact resistance - 100 J

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screwless terminal block for outside easy installation, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

On request: Em – non-maintained emergency lighting (1 h, 3 h)

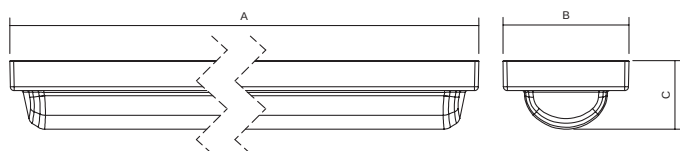
MULTI – maintained emergency lighting (1 h, 3 h)

DIM – dimmable electronic ballast (1-10 V, DSI, DALI)

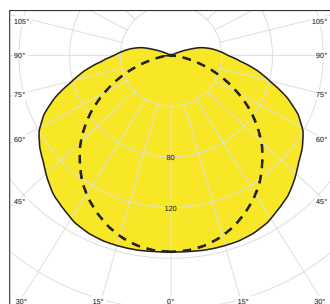
RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



GALGO, 2x58W, IP65



			
– electronic ballast			
051700	GALGO-118-EP, 1x18W	T26/G13	690 x 196 x 108
051701	GALGO-218-EP, 2x18W		690 x 196 x 108
051702	GALGO-136-EP, 1x36W		1300 x 196 x 108
051703	GALGO-236-EP, 2x36W		1300 x 196 x 108
051704	GALGO-158-EP, 1x58W		1600 x 196 x 108
051705	GALGO-258-EP, 2x58W		1600 x 196 x 108
			
– electronic ballast			
051710	GALGO-114-EP, 1x14W	T16/G5	690 x 196 x 108
051711	GALGO-124-EP, 1x24W		690 x 196 x 108
051712	GALGO-214-EP, 2x14W		690 x 196 x 108
051713	GALGO-224-EP, 2x24W		690 x 196 x 108
051714	GALGO-128-EP, 1x28W		1300 x 196 x 108
051715	GALGO-154-EP, 1x54W		1300 x 196 x 108
051716	GALGO-228-EP, 2x28W		1300 x 196 x 108
051717	GALGO-254-EP, 2x54W		1300 x 196 x 108
051718	GALGO-135-EP, 1x35W		1600 x 196 x 108
051719	GALGO-149-EP, 1x49W		1600 x 196 x 108
051720	GALGO-180-EP, 1x80W		1600 x 196 x 108
051721	GALGO-235-EP, 2x35W		1600 x 196 x 108
051722	GALGO-249-EP, 2x49W		1600 x 196 x 108
051723	GALGO-280-EP, 2x80W		1600 x 196 x 108
– special equipment			
004579	TORX security screw M5x12		
004586	BIT25 tool for screw M5x12		



STAFORD-LED

IP 65



Application: recessed installation for areas with high risk of damage, like prison cells, psychiatric hospitals, pedestrians subways, tunnels, subway stations and railway platforms.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC

Body: painted metal sheet RAL 9003

Cover: combination of painted metal sheet RAL 9003 and **PC** opal cover (polycarbonate)

Fastening: recessed frame

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 2x sealing cable gland, washers with rubber to seal the mounting holes

Lifetime: L80B10/50 000 h/35 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h,3h)

RAL – another colour finish

DIM – dimmable electronic ballast (DSI, DALI)

NEREZ – body from stainless steel metal sheet

SKLO – tempered safety glass

1/3 F – one or three phase through-wiring connection

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T _{GA}	(lm)*	(W)**	AxBxC (mm)
057776	STAFORD-LED-5100-3K	3000K	3674	38	653 x 255 x 95
057770	STAFORD-LED-5350-4K	4000K	3800	38	653 x 255 x 95
057777	STAFORD-LED-7600-3K	3000K	5510	57	953 x 255 x 95
057771	STAFORD-LED-8000-4K	4000K	5775	57	953 x 255 x 95
057778	STAFORD-LED-10200-3K	3000K	7348	76	1253 x 255 x 95
057772	STAFORD-LED-10650-4K	4000K	7698	76	1253 x 255 x 95

		T _{GA}	(lm)*	(W)**	AxBxC (mm)
057779	STAFORD-LED-4400-3K	3000K	3216	32	653 x 255 x 95
057773	STAFORD-LED-4650-4K	4000K	3370	32	653 x 255 x 95
057780	STAFORD-LED-6600-3K	3000K	4824	48	953 x 255 x 95
057774	STAFORD-LED-7000-4K	4000K	5056	48	953 x 255 x 95
057781	STAFORD-LED-8800-3K	3000K	6433	64	1253 x 255 x 95
057775	STAFORD-LED-9300-4K	4000K	6741	64	1253 x 255 x 95

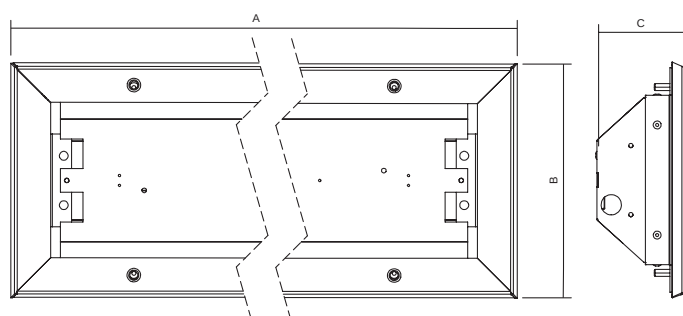
- special equipment

002022 installation box

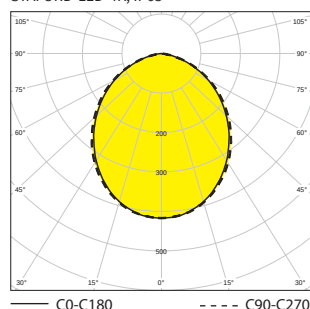
004777 Safety screw with pin DIN 7991 M5x16

004778 Bit for safety screw with socket head and pin s=3

(lm)* - luminous flux, (W)** - input power



STAFORD-LED-4K, IP65



STAFORD-II-LED

IP 65



Application: areas with high risk of damage, like prison cells, psychiatric hospitals, pedestrians subways, tunnels, subway stations and railway platforms. Class insulation II

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: painted metal sheet RAL 9003

Cover: combination of painted metal sheet RAL 9003 and **PC** cover (polycarbonate), protective foil 1 mm against graffiti

Reflector: painted metal sheet RAL 9003

Fastening: recessed frame

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 2x sealing cable gland, washers with rubber to seal the mounting holes

Lifetime: L80B10/50 00 h/30 °C

On request: Em – non-maintained emergency lighting (1,5 h, 3 h)

MULTI – maintained emergency lighting (1,5 h, 3 h)

1/3 F – one or three phase through-wiring connection

RAL – another colour finishing

DIM – dimmable electronic ballast (DSI, DALI)

NEREZ – body from stainless steel sheet

SKLO – tempered safety glass

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		Tc/K	(lm)*	(W)**	AxBxC (mm)
057710	STAFORD-II-LED-5100-3K	3000K	3674	38	653 x 255 x 95
057711	STAFORD-II-LED-5350-4K	4000K	3800	38	653 x 255 x 95
057712	STAFORD-II-LED-7600-3K	3000K	5510	57	953 x 255 x 95
057713	STAFORD-II-LED-8000-4K	4000K	5775	57	953 x 255 x 95
057714	STAFORD-II-LED-10200-3K	3000K	7348	76	1253 x 255 x 95
057715	STAFORD-II-LED-10650-4K	4000K	7698	76	1253 x 255 x 95

		Tc/K	(lm)*	(W)**	AxBxC (mm)
057716	STAFORD-II-LED-4400-3K	3000K	3216	32	653 x 255 x 95
057717	STAFORD-II-LED-4650-4K	4000K	3370	32	653 x 255 x 95
057718	STAFORD-II-LED-6600-3K	3000K	4824	48	953 x 255 x 95
057719	STAFORD-II-LED-7000-4K	4000K	5056	48	953 x 255 x 95
057720	STAFORD-II-LED-8800-3K	3000K	6433	64	1253 x 255 x 95
057721	STAFORD-II-LED-9300-4K	4000K	6741	64	1253 x 255 x 95

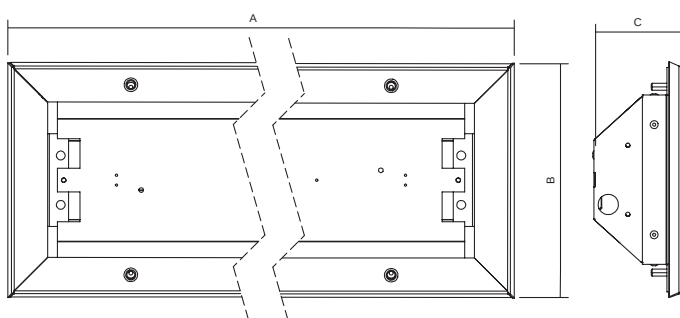
- special equipment

002022 installation box

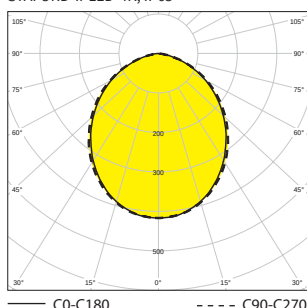
004777 Safety screw with pin DIN 7991 M5x16

004778 Bit for safety screw with socket head and pin s=3

(lm)* - luminous flux, (W)** - input power



STAFORD-II-LED-4K, IP65





STAFORD

IP 65



Application: recessed installation for areas with high risk of damage, like prison cells, psychiatric hospitals, pedestrians subways, tunnels, subway stations and railway platforms.

Ballast: EP – electronic ballast 220-240 V/ 50-60 Hz AC, 176-280 V DC (minimal discharge ignition voltage of lamp ≥ 198 V DC)

Body: painted metal sheet RAL 9003

Cover: combination of painted metal sheet RAL 9003 and **PC** cover (polycarbonate)

Reflector: painted metal sheet RAL 9003 or highly polished aluminium sheet

Fastening: recessed frame

Connection: screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 2x sealing cable gland, washers with rubber to seal the mounting holes

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h,3h)

RAL – another colour finish

DIM – dimmable electronic ballast (DSI, DALI)

NEREZ – body from stainless steel metal sheet

SKLO – tempered safety glass

AS – asymmetric reflector

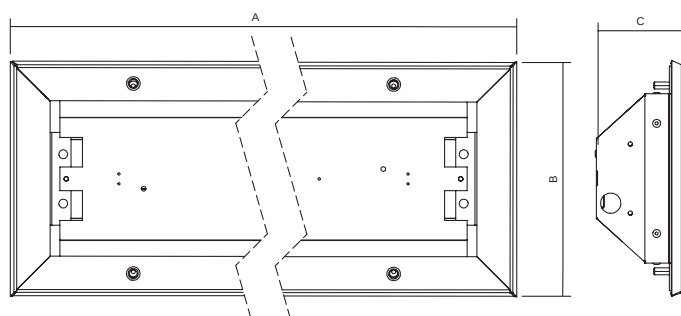
1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

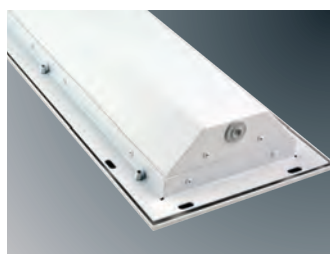
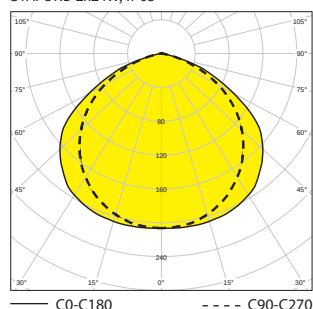
			ABxC (mm)
– electronic ballast			
057750	STAFORD-114-EP, 1x14W	T16/G5	653 x 255 x 95
057751	STAFORD-124-EP, 1x24W		653 x 255 x 95
057752	STAFORD-121-EP, 1x21W		953 x 255 x 95
057753	STAFORD-139-EP, 1x39W		953 x 255 x 95
057754	STAFORD-128-EP, 1x28W		1253 x 255 x 95
057755	STAFORD-154-EP, 1x54W		1253 x 255 x 95
057756	STAFORD-214-EP, 2x14W		653 x 255 x 95
057757	STAFORD-224-EP, 2x24W		653 x 255 x 95
057758	STAFORD-221-EP, 2x21W		953 x 255 x 95
057759	STAFORD-239-EP, 2x39W		953 x 255 x 95
057760	STAFORD-228-EP, 2x28W		1253 x 255 x 95
057761	STAFORD-254-EP, 2x54W		1253 x 255 x 95

			ABxC (mm)
– electronic ballast			
057765	STAFORD-136-EP, 1x36W	TC-L/2G11	530 x 255 x 95
057766	STAFORD-155-EP, 1x55W		653 x 255 x 95
057767	STAFORD-236-EP, 1x36W		530 x 255 x 95
057768	STAFORD-255-EP, 2x55W		653 x 255 x 95

– special equipment			
002022	installation box		
004777	Safety screw with pin DIN 7991 M5x16		
004778	Bit for safety screw with socket head and pin s=3		



STAFORD 2x24W, IP65



RAMBO-LED

IP 67, IP 42



Application: areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic 220-240 V/ 50-60 Hz AC

Body: White painted metal sheet RAL9003, plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (opal polycarbonate), transparent colour; sealing plugs at the ends of tubes in IP67 finishing

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Lifetime: L80B10/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1 h, 3 h)

RAL – another colour finishing

NEREZ – body from stainless steel sheet

DIM – dimmable electronic ballast (DSI, DALI)

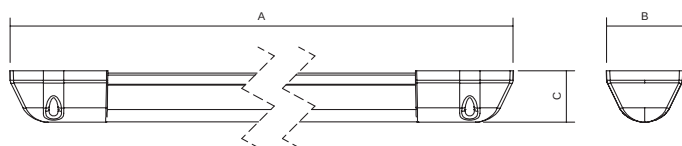
1/3 F – one or three phase through-wiring connection

DIM – dimmable electronic ballast (DSI, DALI)

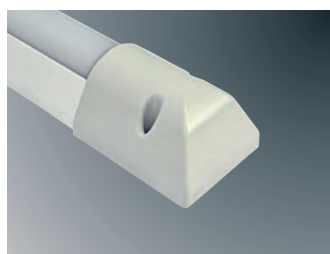
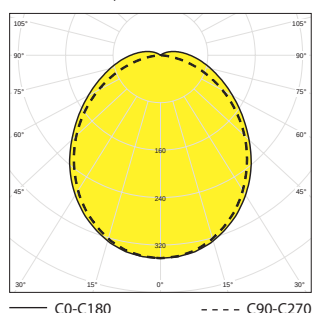
GESIS – possibility to equip light fixtures with connectors

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



RAMBO-LED-4K, IP67



IP 67

		T _c /K	(lm)*	(W)**	Abx/C (mm)
084050	RAMBO-LED-1450-3K	3000K	929	10	1212 x 113 x 76
084051	RAMBO-LED-1500-4K	4000K	972	10	1212 x 113 x 76
084040	RAMBO-LED-1650-3K	3000K	1132	15	1212 x 113 x 76
084041	RAMBO-LED-1700-4K	4000K	1185	15	1212 x 113 x 76

		T _c /K	(lm)*	(W)**	Abx/C (mm)
084052	RAMBO-LED-2900-3K	3000K	1858	20	1822 x 113 x 76
084053	RAMBO-LED-3000-4K	4000K	1944	20	1822 x 113 x 76
084042	RAMBO-LED-3250-3K	3000K	2286	30	1822 x 113 x 76
084043	RAMBO-LED-3400-4K	4000K	2370	30	1822 x 113 x 76

IP 42

		T _c /K	(lm)*	(W)**	Abx/C (mm)
084030	RAMBO-LED-1450-3K	3000K	929	10	1212 x 113 x 76
084031	RAMBO-LED-1500-4K	4000K	972	10	1212 x 113 x 76
084020	RAMBO-LED-1650-3K	3000K	1132	15	1212 x 113 x 76
084021	RAMBO-LED-1700-4K	4000K	1185	15	1212 x 113 x 76

		T _c /K	(lm)*	(W)**	Abx/C (mm)
084032	RAMBO-LED-2900-3K	3000K	1858	20	1822 x 113 x 76
084033	RAMBO-LED-3000-4K	4000K	1944	20	1822 x 113 x 76
084022	RAMBO-LED-3250-3K	3000K	2286	30	1822 x 113 x 76
084023	RAMBO-LED-3400-4K	4000K	2370	30	1822 x 113 x 76

(lm)* - luminous flux, (W)** - input power

RAMBO

IP67, IP42



Application: areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003; plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes in IP67 finishing. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Direct fastening on ceiling or wall lighted area

Připojení: Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland

On request: Em – non-maintained emergency lighting (version only with 1 pc light source)

MULTI – maintained emergency lighting (1 h, 3 h) – see page 188

DIM – dimmable electronic ballast (1-10 V, DSI, DALI)

RAL – another colour finishing

NEREZ – body from stainless steel sheet

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

IP 42

				Art.C (mm)
– electronic ballast				
083523	RAMBO-111-EP, 1x11 W	TC-S/G23		754 x 113 x 76
083532	RAMBO-118-EP, 1x18 W	T26/G13		1258 x 113 x 76
083533	RAMBO-136-EP, 1x36 W			1855 x 113 x 76

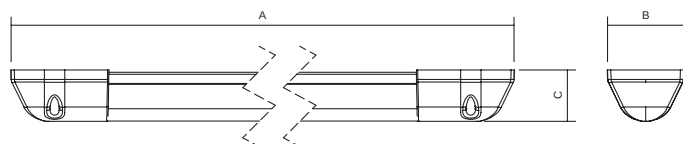
				Art.C (mm)
– electronic ballast				
083520	RAMBO-106-EP, 1x6 W			616 x 113 x 76
083521	RAMBO-108-EP, 1x8 W			692 x 113 x 76
083522	RAMBO-113-EP, 1x13 W			921 x 113 x 76
083507	RAMBO-114-EP, 1x14 W			952 x 113 x 76
083502	RAMBO-124-EP, 1x24 W			952 x 113 x 76
083535	RAMBO-214-EP, 2x14 W			1317 x 113 x 76
083536	RAMBO-224-EP, 2x24 W			1317 x 113 x 76
083506	RAMBO-121-EP, 1x21 W			1258 x 113 x 76
083501	RAMBO-139-EP, 1x39 W			1258 x 113 x 76
083537	RAMBO-221-EP, 2x21 W			1617 x 113 x 76
083538	RAMBO-239-EP, 2x39 W			1617 x 113 x 76
083505	RAMBO-128-EP, 1x28 W			1552 x 113 x 76
083500	RAMBO-154-EP, 1x54 W			1552 x 113 x 76
083539	RAMBO-228-EP, 2x28 W			1912 x 113 x 76
083540	RAMBO-254-EP, 2x54 W			1912 x 113 x 76
083508	RAMBO-135-EP, 1x35 W			1855 x 113 x 76
083503	RAMBO-180-EP, 1x80 W			1855 x 113 x 76

IP 67

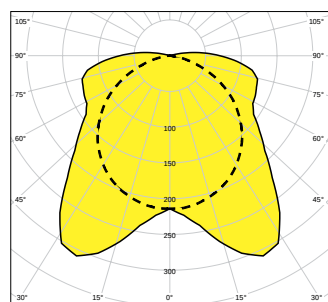
				Art.C (mm)
– electronic ballast				
083573	RAMBO-111-EP, 1x11 W	TC-S/G23		754 x 113 x 76
083581	RAMBO-118-EP, 1x18 W	T26/G13		1258 x 113 x 76
083582	RAMBO-136-EP, 1x36 W			1855 x 113 x 76

				Art.C (mm)
– electronic ballast				
083570	RAMBO-106-EP, 1x6 W			616 x 113 x 76
083571	RAMBO-108-EP, 1x8 W			692 x 113 x 76
083572	RAMBO-113-EP, 1x13 W			921 x 113 x 76
083557	RAMBO-114-EP, 1x14 W			952 x 113 x 76
083552	RAMBO-124-EP, 1x24 W			952 x 113 x 76
083585	RAMBO-214-EP, 2x14 W			1317 x 113 x 76
083586	RAMBO-224-EP, 2x24 W			1317 x 113 x 76
083556	RAMBO-121-EP, 1x21 W			1258 x 113 x 76
083551	RAMBO-139-EP, 1x39 W			1258 x 113 x 76
083587	RAMBO-221-EP, 2x21 W			1617 x 113 x 76
083588	RAMBO-239-EP, 2x39 W			1617 x 113 x 76
083555	RAMBO-128-EP, 1x28 W			1552 x 113 x 76
083550	RAMBO-154-EP, 1x54 W			1552 x 113 x 76
083589	RAMBO-228-EP, 2x28 W			1912 x 113 x 76
083590	RAMBO-254-EP, 2x54 W			1912 x 113 x 76
083558	RAMBO-135-EP, 1x35 W			1855 x 113 x 76
083553	RAMBO-180-EP, 1x80 W			1855 x 113 x 76

004569	Screw with special head
002020	Spanner for mounting and dismantling special screw

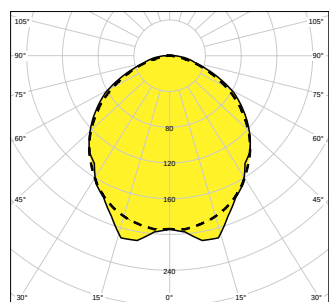


RAMBO, 1x39W, IP 67



— C0-C180 — — — — C90-C270

RAMBO, 2x28W, IP 67



— C0-C180 — — — — C90-C270



BOXER-LED

IP 64



Application: areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with **PC** cover (polycarbonate), transparent colour

Reflector: Highly polished aluminium sheet

Fastening: Direct fastening on ceiling or wall lighted area, with recessed frame or set for fastening to the corner

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

Lifetime: L80B10/50 000 h/30 °C

On request: Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1 h, 3 h)

RAL – another colour finishing

NEREZ – body from stainless steel sheet

DIM – dimmable electronic ballast (DSI, DALI)

1/3 F – one or three phase through-wiring connection

DIM – dimmable electronic ballast (DSI, DALI)

SKLO – tempered safety glass

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		TLR	(lm)*	(W)**	AvBx (mm)
053492	BOXER-LED-1400-3K	3000	1096	10	420 x 184 x 56
053495	BOXER-LED-1450-4K	4000	1135	10	420 x 184 x 56
053488	BOXER-LED-1600-3K	3000	1253	13	420 x 184 x 56
053489	BOXER-LED-1650-4K	4000	1292	13	420 x 184 x 56
053493	BOXER-LED-2800-3K	3000	2192	21	700 x 184 x 56
053494	BOXER-LED-2900-4K	4000	2271	21	700 x 184 x 56
053490	BOXER-LED-3200-3K	3000	2506	25	700 x 184 x 56
053491	BOXER-LED-3300-4K	4000	2584	25	700 x 184 x 56
053496	BOXER-LED-5600-3K	3000	4385	42	1257 x 184 x 56
053497	BOXER-LED-5800-4K	4000	4541	42	1257 x 184 x 56
053486	BOXER-LED-6400-3K	3000	5011	50	1257 x 184 x 56
053487	BOXER-LED-6600-4K	4000	5168	50	1257 x 184 x 56
053498	BOXER-LED-7000-3K	3000	5481	43	1537 x 184 x 56
053499	BOXER-LED-7200-4K	4000	5638	43	1537 x 184 x 56
054284	BOXER-LED-7950-3K	3000	6225	63	1537 x 184 x 56
053485	BOXER-LED-8200-4K	4000	6421	63	1537 x 184 x 56

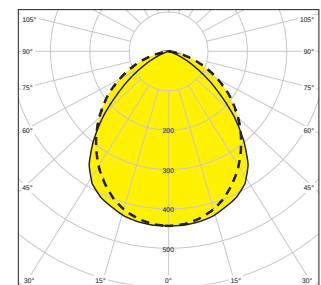
- special equipment

004777 Safety screw with pin DIN 7991 M5x16

004778 Bit for safety screw with socket head and pin s=3

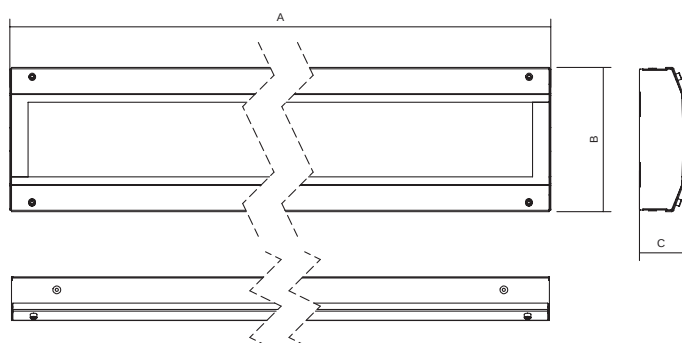
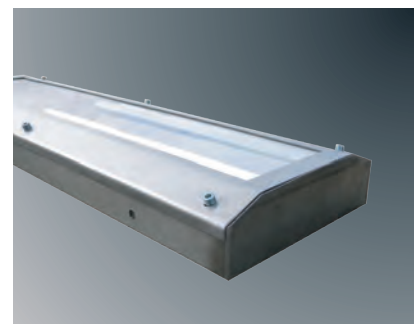
(lm)* - luminous flux, (W)** - input power

BOXER-LED-8200-4K



— C0-C180

--- C90-C270





BOXER

IP 64



Application: areas with high risk of damage, i.e. prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with PC cover (polycarbonate), transparent colour

Reflector: Highly polished aluminium sheet

Fastening: Direct fastening on ceiling or wall lighted area, with recessed frame or set for fastening to the corner

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

On request: Em – non-maintained emergency lighting (version only with 1 pc light source)

MULTI – maintained emergency lighting (1 h, 3 h) – see page 188

DIM – dimmable electronic ballast (1-10 V, DSI, DALI)

RAL – another colour finishing

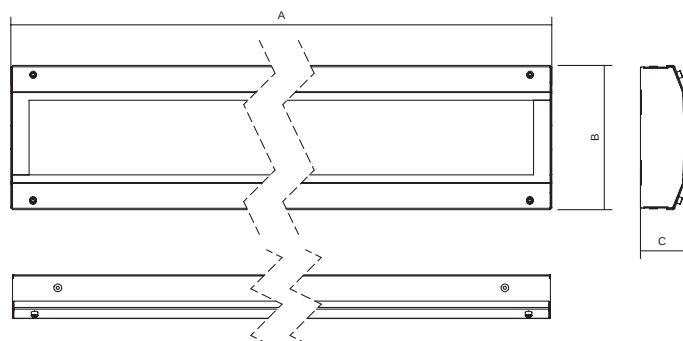
NEREZ – body from stainless steel sheet

GLASS – hardened safety glass

AS – assymetric reflector

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



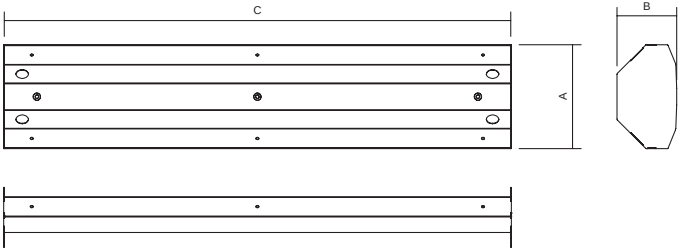
			AsBc (mm)
– electronic ballast			
053450	BOXER-208-EP, 2x8W	T16/G5	366 x 184 x 56
053451	BOXER-213-EP, 2x13W		564 x 184 x 56
053430	BOXER-114-EP, 1x14W		596 x 184 x 56
053452	BOXER-214-EP, 2x14W		596 x 184 x 56
053420	BOXER-314-EP, 3x14W		596 x 234 x 56
053426	BOXER-414-EP, 4x14W		624 x 624 x 56
053431	BOXER-124-EP, 1x24W		596 x 184 x 56
053453	BOXER-224-EP, 2x24W		596 x 184 x 56
053421	BOXER-324-EP, 3x24W		596 x 234 x 56
053427	BOXER-424-EP, 4x24W		624 x 624 x 56
053432	BOXER-121-EP, 1x21W		896 x 184 x 56
053454	BOXER-221-EP, 2x21W		896 x 184 x 56
053422	BOXER-321-EP, 3x21W		896 x 234 x 56
053433	BOXER-139-EP, 1x39W		896 x 184 x 56
053455	BOXER-239-EP, 2x39W		896 x 184 x 56
053423	BOXER-339-EP, 3x39W		896 x 234 x 56
053434	BOXER-128-EP, 1x28W		1196 x 184 x 56
053456	BOXER-228-EP, 3x28W		1196 x 184 x 56
053424	BOXER-328-EP, 2x28W		1196 x 234 x 56
053435	BOXER-154-EP, 1x54W		1196 x 184 x 56
053457	BOXER-254-EP, 2x54W		1196 x 184 x 56
053425	BOXER-354-EP, 3x54W		1196 x 234 x 56
053436	BOXER-135-EP, 1x35W		1496 x 184 x 56
053448	BOXER-235-EP, 2x35W		1496 x 184 x 56
053437	BOXER-149-EP, 1x49W		1496 x 184 x 56
053449	BOXER-249-EP, 2x49W		1496 x 184 x 56
053438	BOXER-180-EP, 1x80W		1496 x 184 x 56
053458	BOXER-280-EP, 2x80W		1496 x 184 x 56

			AsBc (mm)
– electronic ballast			
053482	BOXER-118-EP, 1x18W	T26/G13	627 x 204 x 61
053481	BOXER-218-EP, 2x18W		627 x 204 x 61
053480	BOXER-136-EP, 1x36W		1237 x 204 x 61
053479	BOXER-236-EP, 2x36W		1237 x 204 x 61
053478	BOXER-158-EP, 1x58W		1537 x 204 x 61
053477	BOXER-258-EP, 2x58W		1537 x 204 x 61

			AsBc (mm)
– electronic ballast			
053475	BOXER-118-EP, 1x18W	TC-L/2G11	299 x 184 x 56
053476	BOXER-136-EP, 1x36W		495 x 184 x 56

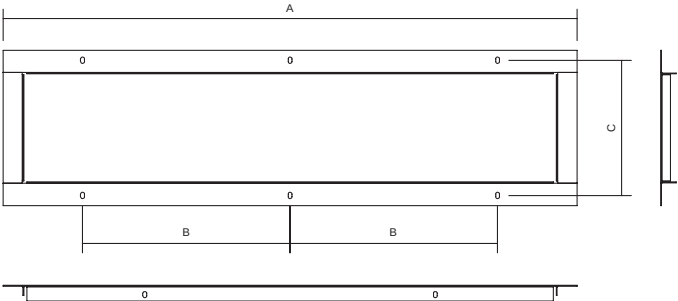
– special equipment			
004777	Safety screw with pin DIN 7991 M5x16		
004778	Bit for safety screw with socket head and pin s=3		

BOXER LUMINAIRES – FINISHING FOR MOUNTING INTO THE CORNER



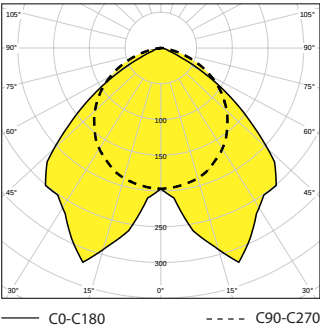
		Abm. (mm)
053465	Set for corner mounting 8W	184 x 105 x 340
053466	Set for corner mounting 13W	184 x 105 x 568
053467	Set for corner mounting 14/24W	184 x 105 x 600
053468	Set for corner mounting 21/39W	184 x 105 x 900
053469	Set for corner mounting 28/54W	184 x 105 x 1200
053470	Set for corner mounting 35/49/80W	184 x 105 x 1500

BOXER LUMINAIRES – FINISHING WITH RECESSED FRAME

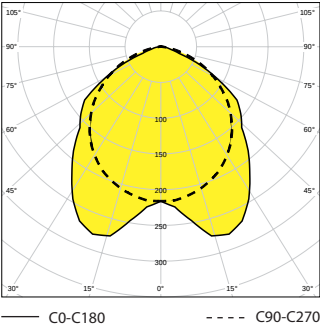


		Abm. (mm)
053459	Recessed frame BOXER 8W	408 x 280 x 262
053460	Recessed frame BOXER 13W	636 x 400 x 262
053461	Recessed frame BOXER 14/24W	668 x 400 x 262
053462	Recessed frame BOXER 21/39W	968 x 700 x 262
053463	Recessed frame BOXER 28/54W	1268 x 350 x 262
053464	Recessed frame BOXER 35/49/80W	1568 x 400 x 262

BOXER, 1x54W, IP64



BOXER, 2x54W, IP64





BOXER-T5-II

IP 64



Application: areas with high risk of damage, like prison cells, psychiatric hospitals, pedestrians subways, tunnels, subway stations and railway platforms. Class insulation II

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 176-280 V DC

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with PC cover (polycarbonate), transparent colour

Reflector: Highly polished aluminium sheet

Fastening: Direct fastening on ceiling or wall lighted area, with recessed frame or set for fastening to the corner

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

On request: MULTI – maintained emergency lighting (1 h, 2 h, 3 h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

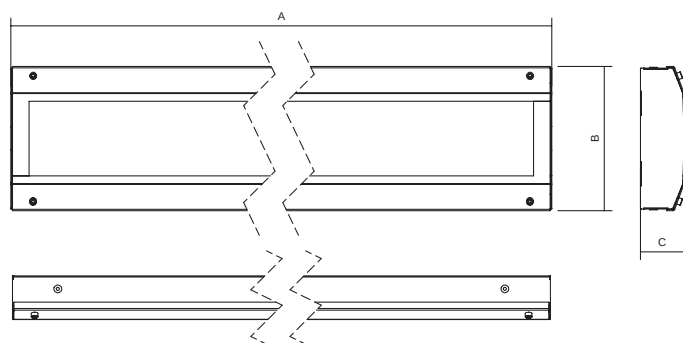
NEREZ – body from stainless steel sheet

SKLO – tempered safety glass

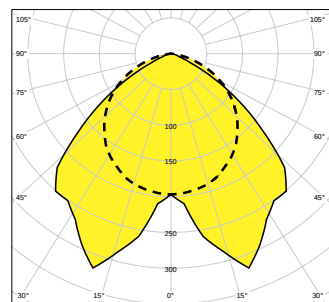
1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			
– electronic ballast			
051650	BOXER-II-214-EP, 2x14W, IP64	T16/G5	565 x 184 x 68
051651	BOXER-II-224-EP, 2x24W, IP64		565 x 184 x 68
051652	BOXER-II-221-EP, 2x21W, IP64		896 x 184 x 68
051653	BOXER-II-239-EP, 2x39W, IP64		896 x 184 x 68
051654	BOXER-II-228-EP, 2x28W, IP64		1196 x 184 x 68
051655	BOXER-II-254-EP, 2x54W, IP64		1196 x 184 x 68
051656	BOXER-II-235-EP, 2x35W, IP64		1496 x 184 x 68
051657	BOXER-II-249-EP, 2x49W, IP64		1496 x 184 x 68
051658	BOXER-II-280-EP, 2x80W, IP64		1496 x 184 x 68
051800	BOXER-II-114-EP, 1x14W, IP64		565 x 184 x 68
051801	BOXER-II-124-EP, 1x24W, IP64		565 x 184 x 68
051802	BOXER-II-121-EP, 1x21W, IP64		896 x 184 x 68
051803	BOXER-II-139-EP, 1x39W, IP64		896 x 184 x 68
051804	BOXER-II-128-EP, 1x28W, IP64		1196 x 184 x 68
051805	BOXER-II-154-EP, 1x54W, IP64		1196 x 184 x 68
051806	BOXER-II-135-EP, 1x35W, IP64		1496 x 184 x 68
051807	BOXER-II-149-EP, 1x49W, IP64	1496 x 184 x 68	
051808	BOXER-II-180-EP, 1x80W, IP64	1496 x 184 x 68	
– special equipment			
004777	Safety screw with pin DIN 7991 M5x16		
004778	Bit for safety screw with socket head and pin s=3		

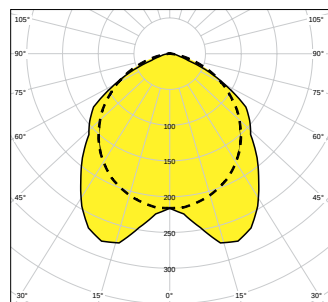


BOXER, 1x54W, IP64, asymetryczny reflektor



— C0-C180 - - - - C90-C270

BOXER, 2x54W, IP64



— C0-C180 - - - - C90-C270



CLUMBER-LED

IP 54



Application: areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with PC cover (polycarbonate)

Reflector: Highly polished aluminium sheet

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

Lifetime: L80B50/ 50 000 h/30 °C

On request: **Em** – non-maintained emergency lighting (version only with 1 pc light source)

MULTI – maintained emergency lighting (1 h, 3 h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

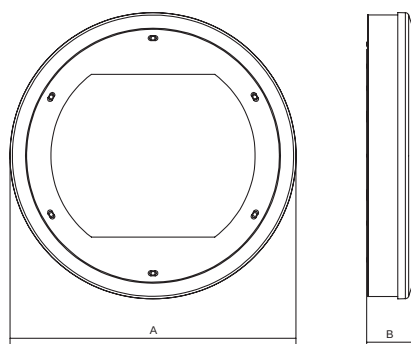
		Td	(lm)*	(W)**	AxB (mm)
053581	CLUMBER1-LED-3900-4K	4000	2969	28	505 x 63
053580	CLUMBER1-LED-4500-4K	4000	3415	24	505 x 63
053582	CLUMBER1-LED-5100-4K	4000	3851	32	505 x 63
053583	CLUMBER1-LED-6200-4K	4000	4690	41	505 x 63
053585	CLUMBER2-LED-1700-4K	4000	1151	10	370 x 63
053584	CLUMBER2-LED-1950-4K	4000	1324	12	370 x 63
053586	CLUMBER2-LED-2200-4K	4000	1493	14	370 x 63
053587	CLUMBER2-LED-2650-4K	4000	1819	18	370 x 63
053588	CLUMBER3-LED-1150-4K	4000	780	6	208 x 60
053589	CLUMBER3-LED-1500-4K	4000	1047	8	208 x 60

– special equipment

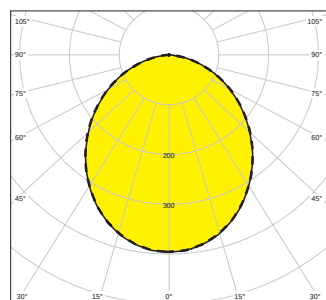
004579 TORX security screw M5x12

004586 BIT25 tool for screw M5x12

(lm)* - luminous flux, (W)** - input power



CLUMBER-LED, IP 54





CLUMBER

IP 54



Application: areas with high risk of damage, i.e. prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9003

Cover: White painted metal frame RAL9003 with PC cover (polycarbonate)

Reflector: Highly polished aluminium sheet

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland, rubber washers for mounting holes

On request: Em – non-maintained emergency lighting (1 h, 3 h)

MULTI – maintained emergency lighting (1 h, 3 h)

RAL – another colour finish

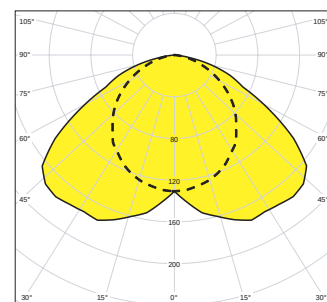
SKLO – tempered safety glass

1/3 F – one or three phase through-wiring connection

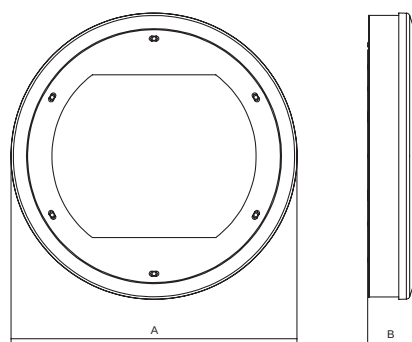
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AA (mm)
– electronic ballast			
053605	CLUMBER1-224-EP, 2x24W, 2G11		505 x 66
053606	CLUMBER1-136-EP, 1x36W, 2G11	TC-L/2G11	505 x 66
053607	CLUMBER1-236-EP, 2x36W, 2G11		505 x 66
053608	CLUMBER1-224-EP, 2x24W, 2G10	TC-F/2G10	505 x 66
053609	CLUMBER1-236-EP, 2x36W, 2G10		505 x 66
053610	CLUMBER1-140-EP, 1x40W, 2Gx13		505 x 66
053611	CLUMBER1-155-EP, 1x55W, 2Gx13	T16-R/2Gx13	505 x 66
– electronic ballast			
053612	CLUMBER2-218-EP, 2x18W, 2G11	TC-L/2G11	370x66
053613	CLUMBER2-122-EP, 1x22W, 2Gx13	T16-R/2Gx13	370x66
– special equipment			
004579	TORX security screw M5x12		
004586	BIT25 tool for screw M5x12		

CLUMBER-236-TC-L, IP 54



— C0-C180 - - - - C90-C270





LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES



SETR-Exd

IP 65



Application: SETR-Exd dustproof light fixture is designed for premises with danger of explosion – mines with occurrence of methane IM2Exsl Mb. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 11 ATEX 0291X).

Ballast: / - electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)
LED – 90-260 V/50-60 Hz AC, 130-260 V DC

Body: Casting made of ductile cast iron RAL7035 with protective cage

Reflector: White painted metal sheet RAL9003

Fastening: Suspension grip

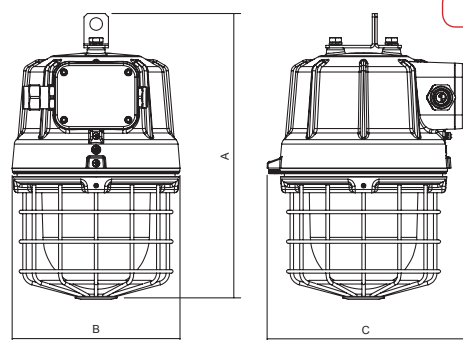
Connection: WAGO-Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 1 pc suspension grip

On request: RAL – another colour finishing

1/3 F – one or three phase through-wiring connection

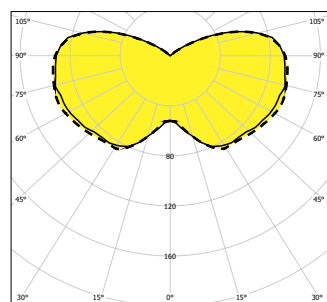
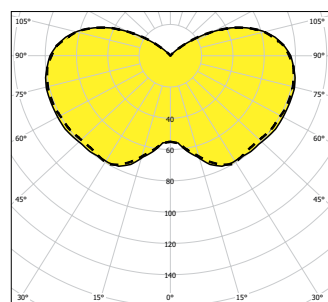
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FTZÚ 11 ATEX 0291X

SETR-Exd-125R, 1x125W, IP65

SETR-Exd-110S, 1x110W, IP65



— C0-C180 - - - - C90-C270

— C0-C180 - - - - C90-C270

- electronic ballast, -20°C ≤ t_a ≤ +40°C			
053553	SETR-Exd-50S/I, 1x50W	HSE/E27	408 x 220 x 281
053554	SETR-Exd-70S/I, 1x70W	HSE/E27	408 x 220 x 281
053574	SETR-Exd-100S, 1x100W	HSE/E40	408 x 220 x 281
053555	SETR-Exd-110S, 1x110W	HSE/E27	408 x 220 x 281
053566	SETR-Exd-118, 1x18W	TC-D / TC-T	408 x 220 x 281
053567	SETR-Exd-126, 1x26W	TC-D / TC-T	408 x 220 x 281
053562	SETR-Exd- compact max.23W	E27	408 x 220 x 281
- LED version, -20°C ≤ t_a ≤ +40°C			
053576	SETR-Exd-LED-4000-4K	LED	408 x 220 x 281
- LED version, -20°C ≤ t_a ≤ +50°C			
053575	SETR-Exd-LED-2000-4K	LED	408 x 220 x 281
- inductive ballast, -40°C ≤ t_a ≤ +60°C			
053560	SETR-Exd-HAL max. 1x205W	E27	408 x 220 x 281
053561	SETR-Exd-mixed discharge lamp 160W		408 x 220 x 281
- electronic ballast, -20°C ≤ t_a ≤ +40°C			
053563	SETR-Exd-126-EP, 1x26W	TC-DEL/	408 x 220 x 281
053564	SETR-Exd-132-EP, 1x32W	TC-TEL	408 x 220 x 281
053565	SETR-Exd-142-EP, 1x42W		408 x 220 x 281

S/I – necessary to use lamp with internal ignitor

- non-maintained emergency mode, duration 1h, 0°C ≤ t_a ≤ +40°C			
053572	SETR-Exd-Em-118, 1x18W	TC-DEL	408 x 220 x 281
053573	SETR-Exd-Em-126, 1x26W		408 x 220 x 281
- electronic ballast, maintained emergency mode, duration 1h, 0°C ≤ t_a ≤ +30°C			
053570	MULTISETR-Exd-126-EP, 1x26W	TC-D/DEL	408 x 220 x 281
- inductive ballast, maintained emergency mode, duration 1h, 0°C ≤ t_a ≤ +30°C			
053571	MULTISETR-Exd-126, 1x26W	TC-D/DEL	408 x 220 x 281
- special equipment			
053556	Set of ceiling brackets SETR-Exd		

Application of light fixtures in areas with danger of explosion

Marking of external influences	Classification areas	
	Marking	Formation prescription
Mines with methane occurrence	-	M2 ČSN EN 1127-2
Danger of explosion of flammable dust	BE3N1	ZONE 21 ČSN EN 60079-14 ČSN EN 60079-17
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1 ČSN EN 60079-10 ČSN EN 60079-14

SETR-Exd	SETR-Exd-P
Ⓜ I M2 Ex d I Mb	
Ⓜ II 2G Ex d IIB T3; Gb	Ⓜ II 2G Ex d e IIC T3; Gb
Ⓜ II 2D Ex t IIIC T 135°C; Db	Ⓜ II 2D Ex t IIIC T 135°C; Db

EXTRA-Ex-LED

IP 66



Application: premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0167X).

Ballast: electronic 110 – 254 V, 50/60 Hz, 220 – 250 V, 0 Hz

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material PC (transparent polycarbonate), chemical resistance

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

Lifetime: L80B10/50 00 h/35 °C

On request: Em – non-maintained emergency lighting (1,5 h, 3 h)

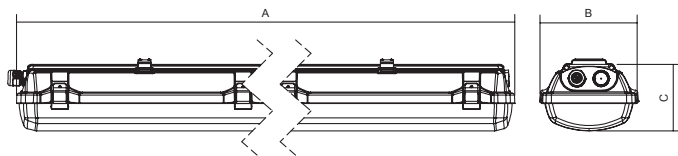
MULTI – maintained emergency lighting (1,5 h, 3 h)

1/3 F – one or three phase through-wiring connection

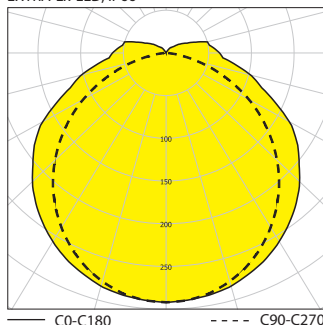
3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 16 ATEX 0167X



EXTRA-Ex-LED, IP66



		Td/A	(lm)*	(W)**	AsBxC (mm)
-20°C < ta <= +50°C					
055290	EXTRA-Ex-LED-2500-218-4K	4000	2360	28	670 x 155 x 105
055291	EXTRA-Ex-LED-5000-236-4K	4000	4650	55	1280 x 155 x 105

- maintained emergency mode 1,5h;3h, 0°C < ta <= +40°C					
055294	MULTIEXTRA-Ex-LED-5000-236-4K, 1h	4000	4650/10%	55	1280 x 155 x 105
055295	MULTIEXTRA-Ex-LED-5000-236-4K, 3h	4000	4650/5,5%	55	1280 x 155 x 105

- non-maintained emergency mode 1,5h;3h, 0°C < ta <= +50°C					
055292	EXTRA-Ex-Em-LED-5000-236-4K, 1h	4000	476	-	1280 x 155 x 105
055293	EXTRA-Ex-Em-LED-5000-236-4K, 3h	4000	260	-	1280 x 155 x 105

- special equipment

008060	Cable gland Ex M20x1,5
008090	Sealing plug Ex M20x1,5
008097	Plastic nut WISKA EMUG 20 M20x1,5

(lm)* - luminous flux, (W)** - input power

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21,22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1,2	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTRA-Ex-LED

Ⓜ II 2G Ex eb mb op is IIC T4 Gb

Ⓜ II 2D Ex tb IIIC T67°C Db

Type marking

EXTRA-Ex-LED-XXXX-YYY	type for standard operation
MULTIEXTRA-Ex-LED-XXXX-YYY	type for maintained emergency mode
EXTRA-Ex-Em-LED-XXXX-YYY	type for non-maintained emergency mode
XXXX*	luminous flux (lumen) 2500/5000
YYY*	type pf used housing 218/236



For areas with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series PITBUL-Ex (LED), RAMBO-Ex, AQUA-Ex, EXTEND-Ex (LED).



EXTEND-Ex-P-LED

IP 66



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0167X).

Ballast: Electronic ballast 220 – 250 V, 0 Hz DC
Electronic ballast 110 – 254 V, 50/60 Hz AC

Body: Plastic material GRP (polystyr filled with fibreglass), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL9003

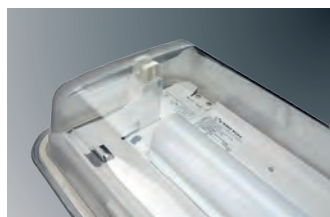
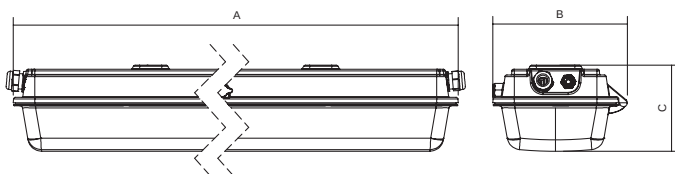
Fastening: Direct fastening on the carrier base, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²; light fixture is ready to connect two wires (order additional cable gland)

Lifetime: : L80B10/50 00 h/40 °C

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
3000 K, 5000 K, 6000 K – colour temperature
1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 10 ATEX 0080X



		T _a	(lm)*	(W)**	A _{ULC} (mm)
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +55°C					
054720	EXTEND-Ex-P-LED-D-2500-218-4K	4000K	2307	28	728 x 244 x 154
054721	EXTEND-Ex-P-LED-D-5000-236-4K	4000K	4454	55	1328 x 244 x 154
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +55°C					
054730	EXTEND-Ex-P-LED-WOD-2500-218-4K	4000K	2307	28	728 x 244 x 154
054731	EXTEND-Ex-P-LED-WOD-5000-236-4K	4000K	4454	55	1328 x 244 x 154
– non-maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +35°C					
054726	EXTEND-Ex-P-Em-LED-2500-218-4K, 1,5h	4000K	2307	28	728 x 244 x 154
054728	EXTEND-Ex-P-Em-LED-2500-218-4K, 3h	4000K	2307	28	728 x 244 x 154
– non-maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +45°C					
054727	EXTEND-Ex-P-Em-LED-5000-236-4K, 1,5h	4000K	4454	55	1328 x 244 x 154
054729	EXTEND-Ex-P-Em-LED-5000-236-4K, 3h	4000K	4454	55	1328 x 244 x 154
– maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +35°C					
054722	MULTIEXTEND-Ex-P-LED-2500-218-4K, 1,5h	4000K	2307	28	728 x 244 x 154
054724	MULTIEXTEND-Ex-P-LED-2500-218-4K, 3h	4000K	2307	28	728 x 244 x 154
– maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +45°C					
054723	MULTIEXTEND-Ex-P-LED-5000-218-4K, 1,5h	4000K	4454	55	1328 x 244 x 154
054725	MULTIEXTEND-Ex-P-LED-5000-236-4K, 3h	4000K	4454	55	1328 x 244 x 154
– special equipment					
051139	Set of ceiling brackets EXTEND (2pcs)				
004642	EXTEND set of pole brackets (2pcs)				

(lm)* - luminous flux, (W)** - input power

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZÓNA 21,22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZÓNA 1,2	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND- Ex - P - LED	EXTEND- Ex - P - LED - WOD
Ⓜ II 2G Ex db eb mb OP IS IIC T4 Gb	Ⓜ II 2G Ex eb mb OP IS IIC T4 Gb
Ⓜ II 2D Ex tb IIIC T 71°C Db	Ⓜ II 2D Ex tb IIIC T 71°C Db

System of marking

EXTEND-Ex-P-LED-XXXX-YYY-WOD	EXTEND-Ex-P-LED without disconnecter
EXTEND-Ex-P-LED-XXXX-YYY-D	EXTEND-Ex-P-LED with disconnecter
EXTEND-Ex-P-LED-XXXX-YYY-1P	EXTEND-Ex-P-LED + with one-phase through wiring connection
EXTEND-Ex-P-LED-XXXX-YYY-3P	EXTEND-Ex-P-LED + with three-phase through wiring connection

xxxx - means luminous flux 2500/5000

YYY - means type of used housing 218/236



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTMENT IN YOUR FUTURE

This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade
ČVUT - Faculty of Electrical Engineering cooperated on this project

EXTEND-Ex-P

IP 66



Application: dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 10 ATEX 0229X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: Plastic material GRP (polyester filled with fibreglass), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL9003

Fastening: Direct fastening on the carrier base, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²; light fixture is ready to connect two wires (order additional cable gland)

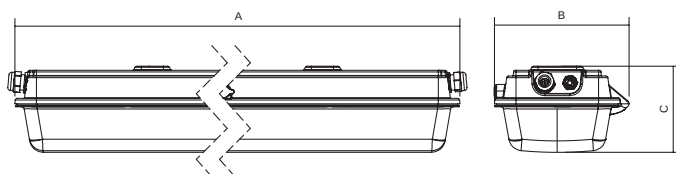
Standard equipment: 1 pc sealing cable gland, 2 pcs sealing plug, double clamp of wire

On request: Em – non-maintained emergency lighting (1 h, 3 h)

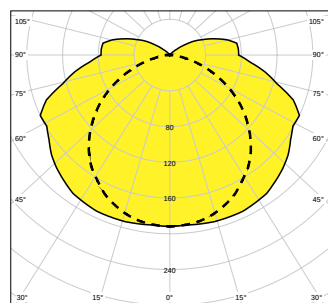
MULTI – maintained emergency lighting (1 h, 3 h)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



EXTEND-Ex-P, 2x36W, IP66



— CO-C180 - - - - C90-C270

FTZÚ 10 ATEX 0229X

This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade

ČVUT - Faculty of Electrical Engineering cooperated on this project



EUROPEAN UNION

EUROPEAN REGIONAL DEVELOPMENT FUND

INVESTMENT IN YOUR FUTURE

		AsB/C (mm)
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +50°C		
054702	EXTEND-Ex-P-158-WOD, 1x58W	1628 x 244 x 154
054703	EXTEND-Ex-P-258-WOD, 2x58W	1628 x 244 x 154
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +50°		
054706	EXTEND-Ex-P-158-D, 1x58W	1628 x 244 x 154
054707	EXTEND-Ex-P-258-D, 2x58W	1628 x 244 x 154
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +60°C		
054700	EXTEND-Ex-P-118-WOD, 1x18W	728 x 244 x 154
054701	EXTEND-Ex-P-218-WOD, 2x18W	728 x 244 x 154
053240	EXTEND-Ex-P-136-WOD, 1x36W	1328 x 244 x 154
053241	EXTEND-Ex-P-236-WOD, 2x36W	1328 x 244 x 154
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +60°C		
054704	EXTEND-Ex-P-118-D, 1x18W	728 x 244 x 154
054705	EXTEND-Ex-P-218-D, 2x18W	728 x 244 x 154
053250	EXTEND-Ex-P-136-D, 1x36W	1328 x 244 x 154
053251	EXTEND-Ex-P-236-D, 2x36W	1328 x 244 x 154
– non-maintained emergency mode, duration 1,5h, ta 0 ≤ ta ≤ 40°C		
054710	EXTEND-Ex-P-118-Em, 1x18W, 1,5h	728 x 244 x 154
053252	EXTEND-Ex-P-136-Em, 1x36W, 1,5h	1328 x 244 x 154
054711	EXTEND-Ex-P-158-Em, 1x58W, 1,5h	1628 x 244 x 154
– electronic ballast, maintained emergency mode, duration 1,5h, ta 0 ≤ ta ≤ 40°C		
054716	MULTIEXTEND-Ex-P-118-D, 1x18W, 1,5h	728 x 244 x 154
054717	MULTIEXTEND-Ex-P-218-D, 2x18W, 1,5h	728 x 244 x 154
053254	MULTIEXTEND-Ex-P-136-D, 1x36W, 1,5h	1328 x 244 x 154
053255	MULTIEXTEND-Ex-P-236-D, 2x36W, 1,5h	1328 x 244 x 154
054718	MULTIEXTEND-Ex-P-158-D, 1x58W, 1,5h	1628 x 244 x 154
054719	MULTIEXTEND-Ex-P-258-D, 2x58W, 1,5h	1628 x 244 x 154
– special equipment		
051139	Set of ceiling brackets EXTEND (2pcs)	
004642	EXTEND set of pole brackets (2pcs)	

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND-Ex-P	EXTEND-Ex-P-WOD
⊕ II 2G Ex db e mb IIC T4 Gb	⊕ II 2G Ex e mb IIC T4 Gb
⊕ II 2D Ex tb IIIC T 72°C Db, IP66	⊕ II 2D Ex tb IIIC T 72°C Db, IP66

System of marking and overview of the approved variant of light fixtures

EXTEND-Ex-P-yy-WOD	EXTEND-Ex-P without disconnecter
EXTEND-Ex-P-y36-D	EXTEND-Ex-P with disconnecter
EXTEND-Ex-P-y36-1P	EXTEND-Ex-P+ with one-phase through wiring connetion
EXTEND-Ex-P-x36-3P	EXTEND-Ex-P+ with three-phase through wiring connetion

y – marking number of lamps (1 / 2)



EXTEND-Ex-T

IP 67



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 10 ATEX 0144X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: Plastic tube with outer diameter of 150 mm and wall thickness of 3 mm made from PC (polycarbonate), transparent colour; stainless steel sealing plugs at the ends of tube

Reflector: White painted metal sheet RAL9003

Fastening: Direct fastening on the carrier base with mounting brackets, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

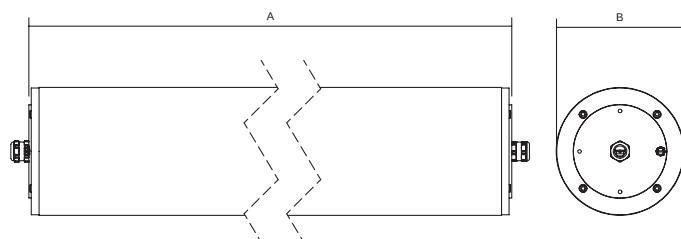
Standard equipment: 1 pc stainless steel sealing cable gland, 1 pc stainless steel sealing plug, 2 pcs mounting bracket

On request: Em – non-maintained emergency lighting (1 h, 3 h)

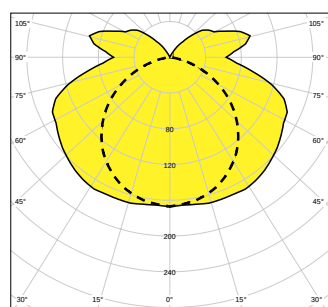
MULTI – maintained emergency lighting (1 h, 3 h)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

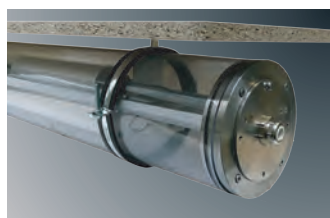


EXTEND-Ex-T, 2x36W, IP67

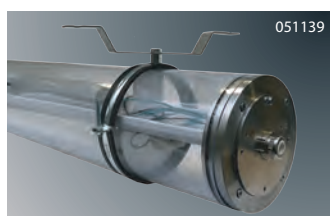


— C0-C180 - - - - C90-C270

FTZÚ 10 ATEX 0144X



004642



051139

				AxB (mm)
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +40°C				
053266	EXTEND-Ex-T-118-WOD, 1x18W	T26/G13		985 x 150
053267	EXTEND-Ex-T-218-WOD, 2x18W			1595 x 150
053268	EXTEND-Ex-T-136-WOD, 1x36W			1895 x 150
053269	EXTEND-Ex-T-236-WOD, 2x36W			985 x 150
053270	EXTEND-Ex-T-158-WOD, 1x58W			985 x 150
053271	EXTEND-Ex-T-258-WOD, 2x58W			1595 x 150
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +40°C				
053260	EXTEND-Ex-T-118-D, 1x18W	T26/G13		1595 x 150
053261	EXTEND-Ex-T-218-D, 2x18W			1895 x 150
053262	EXTEND-Ex-T-136-D, 1x36W			1895 x 150
053263	EXTEND-Ex-T-236-D, 2x36W			985 x 150
053264	EXTEND-Ex-T-158-D, 1x58W			985 x 150
053265	EXTEND-Ex-T-258-D, 2x58W			1595 x 150
– non-maintained emergency mode, duration 1h, ta 0-40°C				
053272	EXTEND-Ex-T-118-Em, 1x18W	T26/G13		1595 x 150
053273	EXTEND-Ex-T-136-Em, 1x36W			1895 x 150
053274	EXTEND-Ex-T-158-Em, 1x58W			1895 x 150
– electronic ballast, maintained emergency mode, duration 1h, ta 0-40°C				
053275	MULTIEXTEND-Ex-T-118, 1x18W	T26/G13		985 x 150
053276	MULTIEXTEND-Ex-T-218, 2x18W			985 x 150
053277	MULTIEXTEND-Ex-T-136, 1x36W			1595 x 150
053278	MULTIEXTEND-Ex-T-236, 2x36W			1595 x 150
053279	MULTIEXTEND-Ex-T-158, 1x58W			1895 x 150
053280	MULTIEXTEND-Ex-T-258, 2x58W			1895 x 150
– special equipment				
051139	Set of ceiling brackets EXTEND (2pcs)			
004642	EXTEND set of pole brackets (2pcs)			

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND- Ex-T	EXTEND- Ex-T-WOD
Ⓜ II 2G Ex d e mb IIA T4 Gb	Ⓜ II 2G Ex e mb IIA T4 Gb
Ⓜ II 2D Ex t IIIC T 70°C Db; IP 67	Ⓜ II 2D Ex t IIIC T 70°C Db; IP 67

System of marking and overview of the approved variant of light fixtures

EXTEND-Ex-T-y36-WOD	EXTEND-Ex - P without disconnecter
EXTEND-Ex-T-y36-D	EXTEND-Ex - P with disconnecter
EXTEND-Ex-T-y36-2D	EXTEND-Ex - P with two disconnectors
EXTEND-Ex-T-y36-1P	EXTEND-Ex - P+ with one-phase through wiring connetion
EXTEND-Ex-T-y36-3P	EXTEND-Ex - P+ with three-phase through wiring connetion

y – marking number of lamps (1 / 2)

This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade
ČVUT - Faculty of Electrical Engineering cooperated on this project

PITBUL-Ex-LED

IP 65



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0089X).

Ballast: Electronic ballast 220 – 250 V, 0 Hz DC
Electronic ballast 110 – 254 V, 50/60 Hz AC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

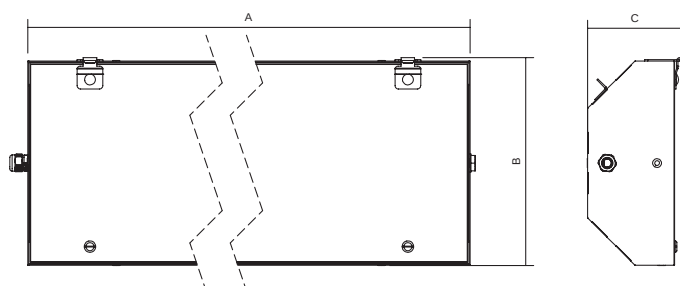
Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

Lifetime: L80B10/50 00 h/40 °C

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
3000 K, 5000 K, 6000 K – colour temperature
NEREZ – body from stainless steel sheet
RAL – another colour finishing
1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 16 ATEX 0089X



System of marking and overview of the approved variant of light fixtures

PITBUL-Ex-LED-XXXX-YYY-WOD	PITBUL-Ex-LED - without disconnecter
PITBUL-Ex-LED-XXXX-YYY-D	PITBUL-Ex-LED - with disconnecter
PITBUL-Ex-LED-XXXX-YYY-2D	PITBUL-Ex-LED - with two disconnectors
PITBUL-Ex-LED-XXXX-YYY-1P	PITBUL-Ex-LED + with one-phase through wiring connection
PITBUL-Ex-LED-XXXX-YYY-3P	PITBUL-Ex-LED + with three-phase through wiring connection

XXXX means luminous flux 2500/5000
YYY means type of housing 218/236

		TdA	(lm)*	(W)**	ArtNoC (mm)
- with disconnecter, t_a -20 °C ≤ ta ≤ +60 °C					
053660	PITBUL-Ex-LED-D-2500-218-4K	4000	2200	28	701 x 302 x 130
053662	PITBUL-Ex-LED-D-5000-236-4K	4000	4400	55	1312 x 302 x 130
- with disconnecter, t_a -20 °C ≤ ta ≤ +55 °C					
053661	PITBUL-Ex-LED-D-5000-418-4K	4000	4400	55	701 x 362 x 130
053663	PITBUL-Ex-LED-D-10000-436-4K	4000	8800	103	1312 x 362 x 130
- without disconnecter, t_a -20 °C ≤ ta ≤ +60 °C					
053656	PITBUL-Ex-LED-WOD-2500-218-4K	4000	2200	28	701 x 302 x 130
053658	PITBUL-Ex-LED-WOD-5000-236-4K	4000	4400	55	1312 x 302 x 130
- without disconnecter, t_a -20 °C ≤ ta ≤ +55 °C					
053657	PITBUL-Ex-LED-WOD-5000-418-4K	4000	4400	55	701 x 362 x 130
053659	PITBUL-Ex-LED-WOD-10000-436-4K	4000	8800	103	1312 x 362 x 130
- non-maintained emergency mode, duration 1,5h; 3h, t_a 0 °C ≤ ta ≤ +40 °C					
053672	PITBUL-Ex-Em-LED-2500-218-4K, 1,5h	4000	2200	28	701 x 302 x 130
053674	PITBUL-Ex-Em-LED-2500-218-4K, 3h	4000	2200	28	701 x 302 x 130
053673	PITBUL-Ex-Em-LED-5000-236-4K, 1,5h	4000	4400	55	1312 x 302 x 130
053675	PITBUL-Ex-Em-LED-2500-236-4K, 3h	4000	4400	55	1312 x 302 x 130
- maintained emergency mode, duration 1,5h; 3h, t_a 0 °C ≤ ta ≤ +40 °C					
053668	MULTIPITBUL-Ex-LED-2500-218-4K, 1,5h	4000	2200	28	701 x 302 x 130
053664	MULTIPITBUL-Ex-LED-2500-218-4K, 3h	4000	2200	28	701 x 302 x 130
053670	MULTIPITBUL-Ex-LED-5000-236-4K, 1,5h	4000	4400	55	1312 x 362 x 130
053666	MULTIPITBUL-Ex-LED-5000-236-4K, 3h	4000	4400	55	1312 x 302 x 130
- maintained emergency mode, duration 1,5h; 3h, t_a 0 °C ≤ ta ≤ +35 °C					
053669	MULTIPITBUL-Ex-LED-5000-418-4K, 1,5h	4000	4400	55	701 x 362 x 130
053665	MULTIPITBUL-Ex-LED-5000-418-4K, 3h	4000	4400	55	701 x 362 x 130
053671	MULTIPITBUL-Ex-LED-10000-436-4K, 1,5h	4000	8800	103	1312 x 362 x 130
053667	MULTIPITBUL-Ex-LED-10000-436-4K, 3h	4000	8800	103	1312 x 362 x 130
- special equipment					
053940	Set of bracket grips with accessory (2 pcs)				
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)				
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)				
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)				
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)				
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)				
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)				
054935	Set of stainless steel ceiling brackets (2 pcs)				
004642	Suspension bracket M8 (1 pc)				
051146	Pole bracket for Ø50 mm				

(lm)* - luminous flux, (W)** - input power

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21, 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1, 2	ČSN EN 60079-14 ČSN EN 60079-10-1

PITBUL-Ex-LED	PITBUL-Ex-LED-WOD
Ⓜ II 2G Ex db eb mb op is IIC T4 Gb	Ⓜ II 2G Ex eb mb op is IIC T4 Gb
Ⓜ II 2D Ex tb IIIC T 67°C Db	Ⓜ II 2D Ex tb IIIC T 67°C Db



PITBUL-Ex, PITBUL-Ex-Em

IP 65



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0143X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

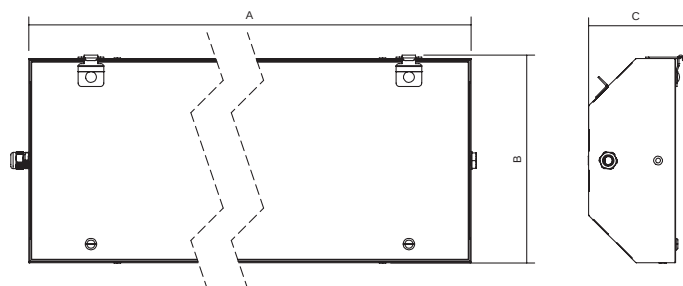
Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

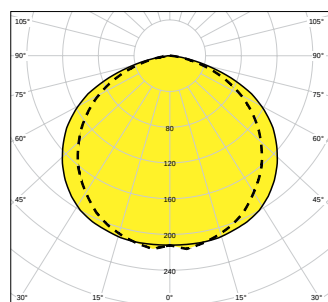
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1/3 F – one or three phase through-wiring connection
NEREZ – body from stainless steel sheet
RAL – another colour finishing
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 04 ATEX 0143X



PITBUL-Ex, 4x58W, IP65



— C0-C180 - - - - C90-C270

			AxBxC (mm)
- electronic ballast with disconnecter, -20°C ≤ t_a ≤ +40°C			
053800	PITBUL-Ex-118-D, 1x18 W	T26/G13	701 x 302 x 130
053801	PITBUL-Ex-218-D, 2x18 W		701 x 302 x 130
053802	PITBUL-Ex-318-D, 3x18 W		701 x 302 x 130
053803	PITBUL-Ex-418-D, 4x18 W		701 x 362 x 130
053804	PITBUL-Ex-136-D, 1x36 W		1312 x 302 x 130
053805	PITBUL-Ex-236-D, 2x36 W		1312 x 302 x 130
053806	PITBUL-Ex-336-D, 3x36 W		1312 x 302 x 130
053807	PITBUL-Ex-436-D, 4x36 W		1312 x 362 x 130
053808	PITBUL-Ex-158-D, 1x58 W		1611 x 302 x 130
053809	PITBUL-Ex-258-D, 2x58 W		1611 x 302 x 130
053810	PITBUL-Ex-358-D, 3x58 W		1611 x 302 x 130
053811	PITBUL-Ex-458-D, 4x58 W		1611 x 362 x 130

			AxBxC (mm)
- electronic ballast without disconnecter, -20°C ≤ t_a ≤ +40°C			
053812	PITBUL-Ex-118-WOD, 1x18 W	T26/G13	701 x 302 x 130
053813	PITBUL-Ex-218-WOD, 2x18 W		701 x 302 x 130
053814	PITBUL-Ex-318-WOD, 3x18 W		701 x 302 x 130
053815	PITBUL-Ex-418-WOD, 4x18 W		701 x 362 x 130
053816	PITBUL-Ex-136-WOD, 1x36 W		1312 x 302 x 130
053817	PITBUL-Ex-236-WOD, 2x36 W		1312 x 302 x 130
053818	PITBUL-Ex-336-WOD, 3x36 W		1312 x 302 x 130
053819	PITBUL-Ex-436-WOD, 4x36 W		1312 x 362 x 130
053820	PITBUL-Ex-158-WOD, 1x58 W		1611 x 302 x 130
053821	PITBUL-Ex-258-WOD, 2x58 W		1611 x 302 x 130
053822	PITBUL-Ex-358-WOD, 3x58 W		1611 x 302 x 130
053823	PITBUL-Ex-458-WOD, 4x58 W		1611 x 362 x 130

- special equipment			
053940	Set of bracket grips with accessory (2 pcs)		
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)		
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)		
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)		
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)		
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)		
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)		
054935	Set of stainless steel ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		
051146	Pole bracket for Ø50 mm		

Other types (without disconnecter, through-wiring connection) on request

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

PITBUL-Ex-D	PITBUL-Ex-WOD
⊕ II 2G Ex d e ib mb IIC T4 Gb	⊕ II 2G Ex d e ib mb IIC T4 Gb
⊕ II 2D Ex t IIIC Db T60°C; IP 65	⊕ II 2D Ex t IIIC Db T 60°C; IP 65

System of marking and overview of the approved variant of light fixtures

PITBUL-Ex-xyy-D	PITBUL-Ex with disconnecter
PITBUL-Ex-xyy-2D	PITBUL-Ex with two disconnectors and two ballast for two different voltages
PITBUL-Ex-xyy-WOD	without disconnecter

x – marking number of lamps (1/2/3/4), yy – lamp type (18/36/58)

EXCALIBUR-Ex

IP 65



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 06 ATEX 0057X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base or with ceiling brackets, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

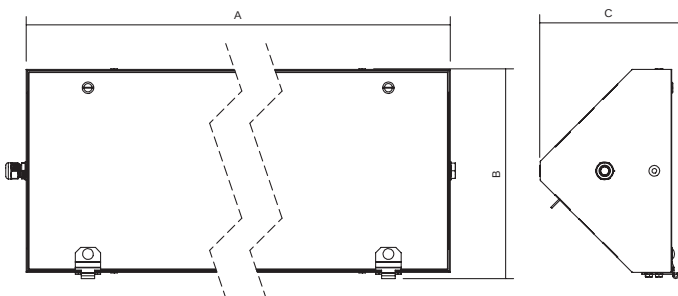
On request: 1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

RAL – another colour finishing

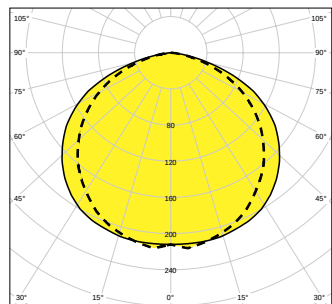
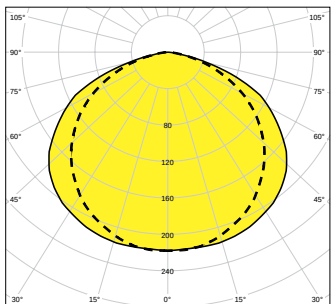
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 06 ATEX 0057X



EXCALIBUR-Ex, 2x36W, IP65

EXCALIBUR-Ex, 4x58W, IP65



— C0-C180

---- C90-C270

— C0-C180

---- C90-C270

			
–electronic ballast, -20°C ≤ t_a ≤ +40°C			
053220	EXCALIBUR-Ex-118-D, 1x18 W	T26/G13	701 x 302 x 195
053221	EXCALIBUR-Ex-218-D, 2x18 W		701 x 302 x 195
053222	EXCALIBUR-Ex-318-D, 3x18 W		701 x 302 x 195
053223	EXCALIBUR-Ex-418-D, 4x18 W		701 x 362 x 225
053224	EXCALIBUR-Ex-136-D, 1x36 W		1312 x 302 x 195
053225	EXCALIBUR-Ex-236-D, 2x36 W		1312 x 302 x 195
053226	EXCALIBUR-Ex-336-D, 3x36 W		1312 x 302 x 195
053227	EXCALIBUR-Ex-436-D, 4x36 W		1312 x 362 x 225
053228	EXCALIBUR-Ex-158-D, 1x58 W		1611 x 302 x 195
053229	EXCALIBUR-Ex-258-D, 2x58 W		1611 x 302 x 195
053230	EXCALIBUR-Ex-358-D, 3x58 W		1611 x 302 x 195
053231	EXCALIBUR-Ex-458-D, 4x58 W		1611 x 362 x 225
– special equipment			
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)		
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)		
053943	Recessed frame 1/2/3x36W – 384,4 x1385 mm (mounting hole 323 x 1353 mm)		
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)		
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)		
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)		
054935	Set of stainless steel ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		

Application of light fixtures in areas with danger of explosion

Danger of explosion	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXCALIBUR – Ex – D

- ⊕ II 2G Ex d e ib mb IIC T4 Gb
- ⊕ II 2D Ex t IIIIC Db T58°C; IP65

System of marking and overview of the approved variant of light fixtures

EXCALIBUR-Ex-xyy-D	EXCALIBUR-Ex with disconnect
EXCALIBUR-Ex-xyy-2D	EXCALIBUR-Ex with two disconnectors and two ballast for two different voltages

x – marking number of lamps (1/2/3/4), yy – lamp type (18/36/58)

AQUA-Ex

IP 68



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0141X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from **PC** (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

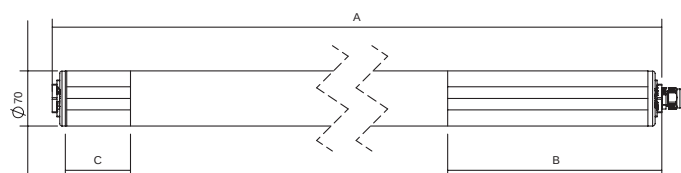
Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

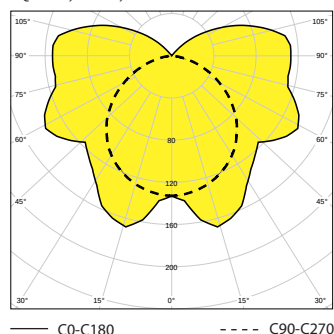
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: 1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 04 ATEX 0141X



AQUA-Ex, 1x36W, IP68



- electronic ballast, -20°C ≤ t _a ≤ +40°C		
083730	AQUA-Ex-118-D, 1x18W	1150x380x95
083731	AQUA-Ex-136-D, 1x36W	T26/G13 1760x380x95
083732	AQUA-Ex-158-D, 1x58W	2060x380x95
- special equipment		
051106	Plastic suspension bracket with accessories	
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket	
053630	AQUA-EX mounting bracket PC bright grey	
053628	AQUA-EX mounting bracket-stainless steel (1pc)	

Other types (without disconnecter, through-wiring connection) on request

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZÓNA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZÓNA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

AQUA - Ex - D	AQUA - Ex - WOD
1x18W Ⓔ II 2G Ex de mb IIC T4 Gb Ⓔ II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m	1x18W Ⓔ II 2G Ex e mb II T4 Gb Ⓔ II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m
1x36W Ⓔ II 2G Ex de mb IIC T4 Gb Ⓔ II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m	1x36W Ⓔ II 2G Ex e mb II T4 Gb Ⓔ II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m
1x58W Ⓔ II 2G Ex de mb IIC T4 Gb Ⓔ II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m	1x58W Ⓔ II 2G Ex e mb II T4 Gb Ⓔ II 2D Ex t IIIC T75°C Db; IP 66/IP68..20m

System of marking and overview of the approved variant of light fixtures

AQUA-Ex-1yy-D	AQUA-Ex with disconnecter
AQUA-Ex-1yy-WOD	AQUA-Ex without disconnecter
AQUA-Ex-1yy-S-WOD	AQUA-Ex with separate ballast part, without disconnecter

yy – lamp type (18/36/58)

RAMBO-Ex

IP 67



Application: premises with danger of explosion. For outdoor use we recommend to order stainless steel body of the light fitting. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 04 ATEX 0142X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: White painted metal sheet RAL9003; plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland

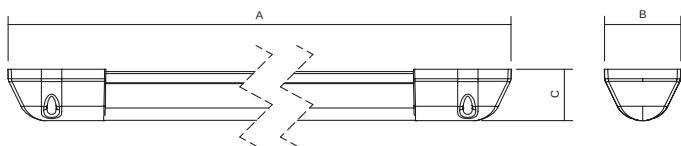
On request: 1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

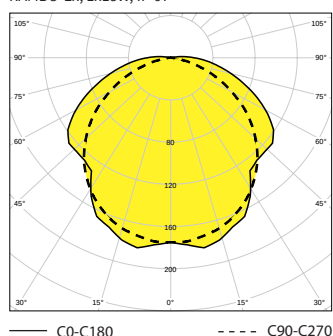
RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 04 ATEX 0142X



RAMBO-Ex, 1x18W, IP 67



- electronic ballast, $-20^{\circ}\text{C} \leq t_a \leq +40^{\circ}\text{C}$		T26/G13	1312 x 113 x 76
083690	RAMBO-Ex-118-D, 1x18W		
083691	RAMBO-Ex-136-D, 1x36W		1903 x 113 x 76
- special equipment			
004569	tornillo con cabeza especial		
002020	herramienta para tornillo especial		

Otros tipos (sin desconector, cableado) bajo demanda

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

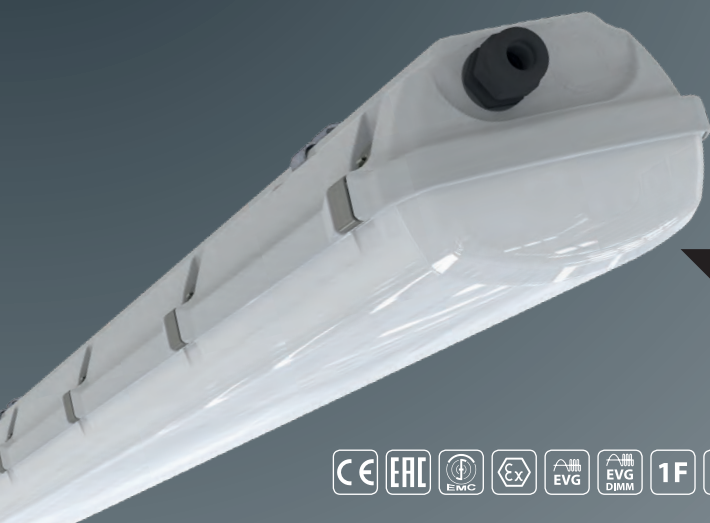
RAMBO – Ex – D		RAMBO – Ex – WOD	
1x18W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67	1x18W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67
1x36W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67	1x36W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67

System of marking and overview of the approved variant of light fixtures

RAMBO-Ex-1yy-D	RAMBO-Ex con desconector
RAMBO-Ex-1yy-WOD	RAMBO-Ex sin desconector

yy – tipo de lámpara (18/36/58)





EXTRA-N-LED

IP 66



Application: premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0102X).

Ballast: electronic 220 – 240 V, 50/60 Hz, 220 – 240 V, 0 Hz

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic opal material **PC** (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

Lifetime: L80B10/50 00 h/35 °C

On request: **Em** – non-maintained emergency lighting (1,5 h, 3 h)

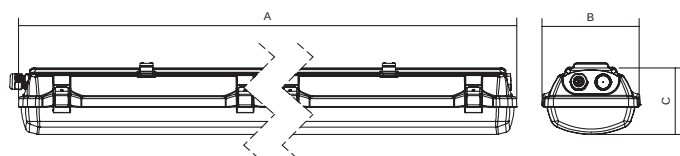
MULTI – maintained emergency lighting (1,5 h, 3 h)

1/3 F – one or three phase through-wiring connection

3000 K, 5000 K, 6000 K – colour temperature

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 16 ATEX 0102X



Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

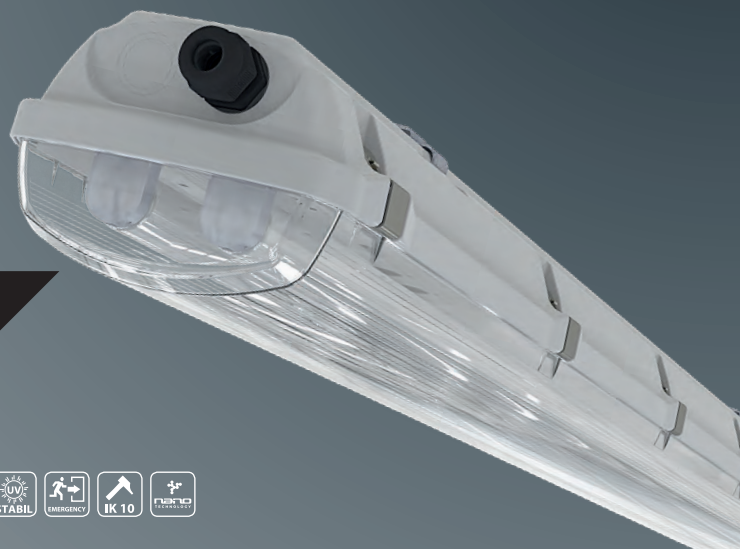
EXTRA-N-LED

Ⓜ II 3G Ex nR IIC T6 Gc

Ⓜ II 3D Ex tc IIIC T62°C Dc

		T _g /K	(lm)*	(W)**	A _{ul} /C _{ul} (mm)
- t _a -20°C ≤ t _a ≤ +45°C					
055260	EXTRA-N-LED-1250-218-4K	4000	1086	9	670 x 155 x 105
055261	EXTRA-N-LED-2500-218-4K	4000	2059	18	670 x 155 x 105
055266	EXTRA-N-LED-3750-258-4K	4000	3125	27	1580 x 155 x 105
055267	EXTRA-N-LED-7500-258-4K	4000	6225	54	1580 x 155 x 105
- t _a -20°C ≤ t _a ≤ +50°C					
055263	EXTRA-N-LED-2500-236-4K	4000	2136	18	1280 x 155 x 105
055264	EXTRA-N-LED-5000-236-4K	4000	4084	36	1280 x 155 x 105
- t _a -20°C ≤ t _a ≤ +40°C					
055262	EXTRA-N-LED-5000-218-4K	4000	4093	36	670 x 155 x 105
055265	EXTRA-N-LED-10000-236-4K	4000	8187	72	1280 x 155 x 105
- t _a -20°C ≤ t _a ≤ +35°C					
055268	EXTRA-N-LED-12550-258-4K	4000	10286	87	1580 x 155 x 105
- maintained emergency mode, duration 1,5h; 3h, t _a 0°C ≤ t _a ≤ +35°C					
055270	MULTIEXTRA-N-LED-1250-218-4K, 1h	4000	1086/37%	9	670 x 155 x 105
055271	MULTIEXTRA-N-LED-2500-218-4K, 1h	4000	2059/18%	18	670 x 155 x 105
055276	MULTIEXTRA-N-LED-1250-218-4K, 3h	4000	1086/37%	9	670 x 155 x 105
055277	MULTIEXTRA-N-LED-2500-218-4K, 3h	4000	2059/18%	18	670 x 155 x 105
- maintained emergency mode, duration 1,5h; 3h, t _a 0°C ≤ t _a ≤ +45°C					
055272	MULTIEXTRA-N-LED-2500-236-4K, 1h	4000	2136/19%	18	1280 x 155 x 105
055273	MULTIEXTRA-N-LED-5000-236-4K, 1h	4000	4084/9%	36	1280 x 155 x 105
055274	MULTIEXTRA-N-LED-3750-258-4K, 1h	4000	3125/13%	27	1580 x 155 x 105
055275	MULTIEXTRA-N-LED-7500-258-4K, 1h	4000	6225/6%	54	1580 x 155 x 105
055278	MULTIEXTRA-N-LED-2500-236-4K, 3h	4000	2136/19%	18	1280 x 155 x 105
055279	MULTIEXTRA-N-LED-5000-236-4K, 3h	4000	4084/9%	36	1280 x 155 x 105
055280	MULTIEXTRA-N-LED-3750-258-4K, 3h	4000	3125/13%	27	1580 x 155 x 105
055281	MULTIEXTRA-N-LED-7500-258-4K, 3h	4000	6225/6%	54	1580 x 155 x 105
- non-maintained emergency mode, duration 1,5h; 3h, 0°C < t _a < +35°C					
055282	EXTRA-N-Em-LED-1250-218-4K, 1h	4000	400	-	670 x 155 x 105
055285	EXTRA-N-Em-LED-1250-218-4K, 3h	4000	400	-	670 x 155 x 105
- non-maintained emergency mode, duration 1,5h; 3h, 0°C < t _a < +45°C					
055283	EXTRA-N-Em-LED-2500-236-4K, 1h	4000	418	-	1280 x 155 x 105
055286	EXTRA-N-Em-LED-2500-236-4K, 3h	4000	418	-	1280 x 155 x 105
055284	EXTRA-N-Em-LED-3750-258-4K, 1h	4000	440	-	1580 x 155 x 105
055287	EXTRA-N-Em-LED-3750-258-4K, 3h	4000	440	-	1580 x 155 x 105
- special equipment					
008060	Cable gland Ex M20x1,5				
008090	008090 Sealing plug Ex M20x1,5				
008097	Plastic nut WISKA EMUG 20 M20x1,5				
051180	through-wiring connection EXTRA-218-1F				
051181	through-wiring connection EXTRA-236-1F				
051182	through-wiring connection EXTRA-258-1F				
051183	through-wiring connection EXTRA-218-3F				
051184	through-wiring connection EXTRA-236-3F				
051185	through-wiring connection EXTRA-258-3F				

(lm)* - luminous flux, (W)** - input power



EXTRA-N-S

IP 66



Application: dustproof lighting fixture with resistance against water jets is designed for lighting premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0162X).

Ballast: electronic 220 – 240 V, 50/60 Hz AC, 220 – 240 V, 0 Hz DC

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material PC (transparent polycarbonate), chemical resistance

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

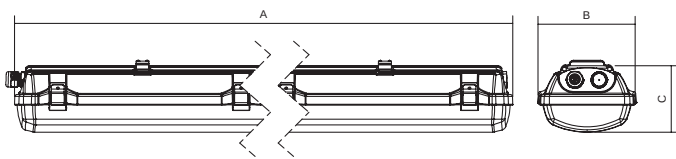
On request: Em – non-maintained emergency lighting (1,5 h, 3 h)

MULTI – maintained emergency lighting (1,5 h, 3 h)

1/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 16 ATEX 0162X



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTRA-N-S

Ⓜ II 3G Ex nR IIC T6 Gc

Ⓜ II 3D Extb IIIC T62°C Dc

			
-20°C < t _a < +50°C			
055502	EXTRA-N-S-136-EP, 1x36W	T26/G13	1280 x 155 x 105
055503	EXTRA-N-S-236-EP, 2x36W		1280 x 155 x 105
-20°C < t _a < +45°C			
055500	EXTRA-N-S-118-EP, 1x18W	T26/G13	670 x 155 x 105
055501	EXTRA-N-S-218-EP, 2x18W		670 x 155 x 105
-20°C < t _a < +40°C			
055504	EXTRA-N-S-158-EP, 1x58W	T26/G13	1580 x 155 x 105
055505	EXTRA-N-S-258-EP, 2x58W		1580 x 155 x 105
-20°C < t _a < +45°C			
055530	EXTRA-N-S-114-EP, 1x14W	T16/G5	670 x 155 x 105
055532	EXTRA-N-S-214-EP, 2x14W		670 x 155 x 105
055534	EXTRA-N-S-128-EP, 1x28W		1280 x 155 x 105
055536	EXTRA-N-S-228-EP, 2x28W		1280 x 155 x 105
055538	EXTRA-N-S-135-EP, 1x35W		1580 x 155 x 105
055541	EXTRA-N-S-235-EP, 2x35W		1580 x 155 x 105
055539	EXTRA-N-S-149-EP, 1x49W		1580 x 155 x 105
055542	EXTRA-N-S-249-EP, 2x49W		1580 x 155 x 105
-20°C < t _a < +40°C			
055535	EXTRA-N-S-154-EP, 1x54W	T16/G5	1280 x 155 x 105
055537	EXTRA-N-S-254-EP, 2x54W		1280 x 155 x 105
055531	EXTRA-N-S-124-EP, 1x24W		670 x 155 x 105
055533	EXTRA-N-S-224-EP, 2x24W		670 x 155 x 105

-20°C < t_a < +30°C			
055540	EXTRA-N-S-180-EP, 1x80W	T16/G5	1580 x 155 x 105
055543	EXTRA-N-S-280-EP, 2x80W		1580 x 155 x 105

- special equipment

008060	Cable gland Ex M20x1,5
008090	Sealing plug Ex M20x1,5
008097	Plastic nut WISKA EMUG 20 M20x1,5
051180	through-wiring connection EXTRA-218-1F
051181	through-wiring connection EXTRA-236-1F
051182	through-wiring connection EXTRA-258-1F
051183	through-wiring connection EXTRA-218-3F
051184	through-wiring connection EXTRA-236-3F
051185	through-wiring connection EXTRA-258-3F

System of marking and overview of the approved variant of light fixtures

EXTRA-N-S*-X*-YY*-EP*	type for standard operation
MULTIEXTRA-N-S*-X*-YY*-EP*	type for maintained emergency mode
EXTRA-N-S*-Em-X*-YY*	type for non-maintained emergency mode
S*	silicone gasket
X*	number of lamps 1/2x
YY*	marking of lamp 18/36/58W-T26; 14/24/28/35/49/54/80W-T16
EP*	electronic ballast



EXTRA-N-P

IP 66



Application: premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0101X).

Ballast: electronic 220 – 240 V, 50/60 Hz AC, 220 – 240 V, 0 Hz DC

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material PC (transparent polycarbonate), chemical resistance

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

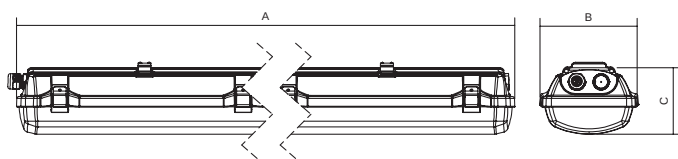
On request: Em – non-maintained emergency lighting (1,5 h, 3 h)

MULTI – maintained emergency lighting (1,5 h, 3 h)

1 F/3 F – one or three phase through-wiring connection

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 16 ATEX 0101X



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTRA-N-P

Ⓜ II 3G Ex nA IIC T4 Gc
Ⓜ 3D Ex tc IIIC T72°C Dc

-20°C < t _a < +50°C		T26/G13	1280 x 155 x 105
055202	EXTRA-N-P-136-EP, 1x36W		
055203	EXTRA-N-P-236-EP, 2x36W		1280 x 155 x 105
-20°C < t _a < +45°C		T26/G13	670 x 155 x 105
055200	EXTRA-N-P-118-EP, 1x18W		
055201	EXTRA-N-P-218-EP, 2x18W		670 x 155 x 105
-20°C < t _a < +35°C		T26/G13	1580 x 155 x 105
055204	EXTRA-N-P-158-EP, 1x58W		
055205	EXTRA-N-P-258-EP, 2x58W		1580 x 155 x 105
- maintained emergency mode, duration 1,5h; 3h, 0°C < t _a < +35°C		T26/G13	1280 x 155 x 105
055222	MULTIEXTRA-N-P-136-EP, 1x36W, 1h		
055223	MULTIEXTRA-N-P-236-EP, 2x36W, 1h		
055224	MULTIEXTRA-N-P-158-EP, 1x58W, 1h		
055225	MULTIEXTRA-N-P-258-EP, 2x58W, 1h		
055242	MULTIEXTRA-N-P-136-EP, 1x36W, 3h		
055243	MULTIEXTRA-N-P-236-EP, 2x36W, 3h		
055244	MULTIEXTRA-N-P-158-EP, 1x58W, 3h		
055245	MULTIEXTRA-N-P-258-EP, 2x58W, 3h		1580 x 155 x 105
- maintained emergency mode, duration 1,5h; 3h, 0°C < t _a < +30°C		T26/G13	670 x 155 x 105
055220	MULTIEXTRA-N-P-118-EP, 1x18W, 1h		
055221	MULTIEXTRA-N-P-218-EP, 2x18W, 1h		
055240	MULTIEXTRA-N-P-118-EP, 1x18W, 3h		
055241	MULTIEXTRA-N-P-218-EP, 2x18W, 3h		670 x 155 x 105
- non-maintained emergency mode, duration 1,5h; 3h, 0°C < t _a < +35°C		T26/G13	1280 x 155 x 105
055215	EXTRA-N-P-Em-136, 1x36W, 1h		
055216	EXTRA-N-P-Em-158, 1x58W, 1h		
055235	EXTRA-N-P-Em-136, 1x36W, 3h		
055236	EXTRA-N-P-Em-158, 1x58W, 3h		1580 x 155 x 105
- non-maintained emergency mode, duration 1,5h; 3h, 0°C < t _a < +30°C		T26/G13	670 x 155 x 105
055214	EXTRA-N-P-Em-118, 1x18W, 1h		
055234	EXTRA-N-P-Em-118, 1x18W, 3h		670 x 155 x 105
- special equipment			
008060	Cable gland Ex M20x1,5		
008090	Sealing plug Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
051180	through-wiring connection EXTRA-218-1F		
051181	through-wiring connection EXTRA-236-1F		
051182	through-wiring connection EXTRA-258-1F		
051183	through-wiring connection EXTRA-218-3F		
051184	through-wiring connection EXTRA-236-3F		
051185	through-wiring connection EXTRA-258-3F		
System of marking and overview of the approved variant of light fixtures			
EXTRA-N-P*-X*-YY*-EP*	type for standard operation		
MULTIEXTRA-N-P*-X*-YY*-EP*	type for maintained emergency mode		
EXTRA-N-P*-Em-X*-YY*	type for non-maintained emergency mode		
P*	polyurethane gasket		
X*	number of lamps 1/2x		
YY*	marking of lamp 18/36/58W-T26		
EP*	electronic ballast		

SALUKA-N

IP 66



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 08 ATEX 0133X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
/ – electromagnetic ballast 230 V/50 Hz, without parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of suspension brackets with steel or chain

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs suspension bracket and 2 pcs rubber gasket

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)

MULTI – maintained emergency lighting (1 h, 3 h)

1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel metal sheet

AR – aluminium reflector (deep radiant)

PAR – parabolic reflector

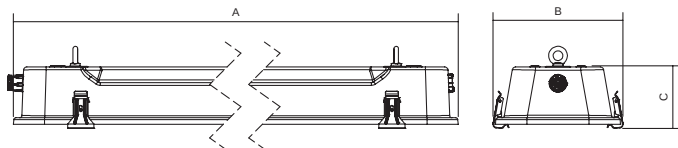
AUTOTEST – light fitting equipped with autotest

Providing with cable glands for armoured cables

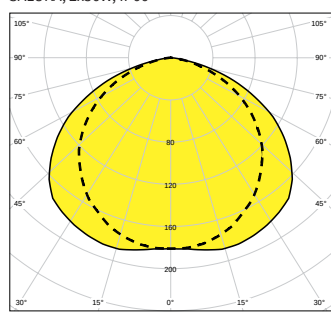
NANO – light fixture protected by special nanolayer

(hydrophobic, oleophobic or antibacterial protection)

FTZÚ 08 ATEX 0133X



SALUKA, 2x36W, IP66



			
– electronic ballast, -20°C ≤ t_a ≤ +40°C			
054374	SALUKA-N-136-EP, 1x36W	T26/G13	1305 x 192 x 90
054375	SALUKA-N-236-EP, 2x36W		1305 x 192 x 90
054376	SALUKA-N-158-EP, 1x58W		1605 x 192 x 90
054377	SALUKA-N-258-EP, 2x58W		1605 x 192 x 90
– electronic ballast, t_a ≤ +55°C			
054372	SALUKA-N-T55-118-EP, 1x18W	T26/G13	705 x 192 x 90
054373	SALUKA-N-T55-118-EP, 1x18W		705 x 192 x 90
– electronic ballast, t_a ≤ +60°C			
056323	SALUKA-N-T60-258-EP, 2x58W	T26/G13	1605 x 192 x 90
056322	SALUKA-N-T60-158-EP, 1x58W		1605 x 192 x 90
056321	SALUKA-N-T60-236-EP, 2x36W		1305 x 192 x 90
056320	SALUKA-N-T60-136-EP, 1x36W		1305 x 192 x 90
– maintained emergency lighting, 0 ≤ t_a ≤ 30°C			
054378	MULTISALUKA-N-218, 2x18W, 1h	T26/G13	705 x 192 x 90
054379	MULTISALUKA-N-218-K, 2x18W, 1h		705 x 192 x 90
054380	MULTISALUKA-N-136, 1x36W, 1h		1305 x 192 x 90
054381	MULTISALUKA-N-136-K, 1x36W, 1h		1305 x 192 x 90
054382	MULTISALUKA-N-236, 2x36W, 1h		1305 x 192 x 90
054383	MULTISALUKA-N-236-K 2x36W, 1h		1305 x 192 x 90
054384	MULTISALUKA-N-158, 1x58W, 1h		1605 x 192 x 90
054385	MULTISALUKA-N-158-K, 1x58W, 1h		1605 x 192 x 90
054386	MULTISALUKA-N-258, 2x58W, 1h		1605 x 192 x 90
054387	MULTISALUKA-N-258-K, 2x58W, 1h		1605 x 192 x 90
– maintained emergency lighting, electronic ballast, 0 ≤ t_a ≤ 30°C			
054388	MULTISALUKA-N-118-EP, 1x18W, 1h	T26/G13	705 x 192 x 90
054389	MULTISALUKA-N-218-EP, 2x18W, 1h		705 x 192 x 90
054390	MULTISALUKA-N-136-EP, 1x36W, 1h		1305 x 192 x 90
054391	MULTISALUKA-N-236-EP, 2x36W, 1h		1305 x 192 x 90
054392	MULTISALUKA-N-158-EP, 1x58W, 1h		1605 x 192 x 90
054393	MULTISALUKA-N-258-EP, 2x58W, 1h		1605 x 192 x 90
– special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
001995	Reflector AR – 2x36W deep radiant		
001996	Reflector AR – 2x58W deep radiant		
051139	Set of ceiling stainless steel bracket SALUKA (2 pcs)		
051145	Pole bracket (50 mm diameter)		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

SALUKA-N, SALUKA-N-EM, MULTISALUKA-N-EM			
Ⓜ II 3G Ex nA IIC T4 Gc		Ⓜ II 3G Ex nA IIC T4 Gc	
Ⓜ II 3D Ex tc IIIC T70°C Dc		Ⓜ II 3D Ex tc IIIC T70°C Dc	



VIPET-N-I

IP 66



Application: premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 02 ATEX 0313X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic material **PC** (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

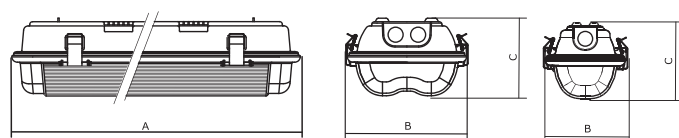
Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: **1/3 F** – one or three phase through-wiring connection

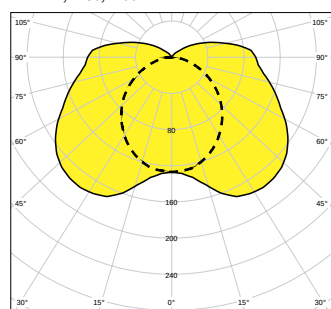
AR – aluminium liner reflector (deep radiant)

PAR – parabolic reflector

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



VIPET-N, 2x36, IP66



FTZÚ 02 ATEX 0313X

		
- inductive ballast, -20 °C ≤ ta ≤ +40 °C		
052240	VIPET-N-I-PC-218, 2x18W	685 x 173 x 110
052241	VIPET-N-I-PC-218-K 2x18W	685 x 173 x 110
052440	VIPET-N-I-PC-118, 1x18W	685 x 119 x 110
052441	VIPET-N-I-PC-118-K, 1x18W	685 x 119 x 110
052080	VIPET-N-I-PC-236, 2x36W	1290 x 173 x 110
052081	VIPET-N-I-PC-236-K, 2x36W	1290 x 173 x 110
052140	VIPET-N-I-PC-136, 1x36W	1290 x 119 x 110
052141	VIPET-N-I-PC-136-K, 1x36W	1290 x 119 x 110
052340	VIPET-N-I-PC-258, 2x58W	1590 x 173 x 110
052341	VIPET-N-I-PC-258-K, 2x58W	1590 x 173 x 110
052480	VIPET-N-I-PC-158, 1x58W	1590 x 119 x 110
052481	VIPET-N-I-PC-158-K, 1x58W	1590 x 119 x 110
- electronic ballast , -20 °C ≤ ta ≤ +40 °C		
052242	VIPET-N-I-PC-218-EP, 2x18W	685 x 173 x 110
052442	VIPET-N-I-PC-118-EP, 1x18W	685 x 119 x 110
052082	VIPET-N-I-PC-236-EP, 2x36W	1290 x 173 x 110
052142	VIPET-N-I-PC-136-EP, 1x36W	1290 x 119 x 110
052342	VIPET-N-I-PC-258-EP, 2x58W	1590 x 173 x 110
052482	VIPET-N-I-PC-158-EP, 1x58W	1590 x 119 x 110
- special equipment		
008060	Cable gland Ex M20x1,5	
008097	Plastic nut WISKA EMUG 20 M20x1,5	
008090	Sealing plug Ex M20x1,5	
051131	Self-locking cable suspender – VIPET 2x, POINTER	
003571	Stainless steel clip POINTER, VIPETT	
001719	Stainless steel fixing spring VIPET – 1x	
001718	Stainless steel fixing spring VIPET – 2x, POINTER	
051161	Accessories for one phase through-wiring connection – 36W – 3x1,5 mm ²	
051162	Accessories for one phase through-wiring connection – 58W – 3x1,5 mm ²	
051164	Accessories for through-wiring connection 36W-3F – 5x1,5 mm ²	
051165	Accessories for through-wiring connection 58W-3F – 5x1,5 mm ²	
001505	Protective cover 2x36W through	
001506	Protective cover 2x36W ending	
001509	Protective cover 2x58W through	
001510	Protective cover 2x58W ending	

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZÓNA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZÓNA	ČSN EN 60079-14 ČSN EN 60079-10-1

VIPET-N-I	VIPET-N-I-EP
1x18W ② II 3D Ex tC IIIC T _a °C Dc	
1x18W ② II 3G Ex nA IIC T ₅ T89°C	1x18W ② II 3G Ex nA IIC T ₅ T82°C
2x18W ② II 3G Ex nA IIC T ₅ T89°C	2x18W ② II 3G Ex nA IIC T ₅ T82°C
1x36W ② II 3G Ex nA IIC T ₅ T89°C	1x36W ② II 3G Ex nA IIC T ₅ T86°C
2x36W ② II 3G Ex nA IIC T ₅ T89°C	2x36W ② II 3G Ex nA IIC T ₅ T86°C
1x58W ② II 3G Ex nA IIC T ₄ T110°C	1x58W ② II 3G Ex nA IIC T ₅ T92°C
2x58W ② II 3G Ex nA IIC T ₄ T122°C	2x58W ② II 3G Ex nA IIC T ₅ T93°C



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

VIPET-N-Em

IP 66



Application: emergency model for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 02 ATEX 0313X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic material **PC** (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: **1/3 F** – one or three phase through-wiring connection

AR – aluminium liner reflector (deep radiant)

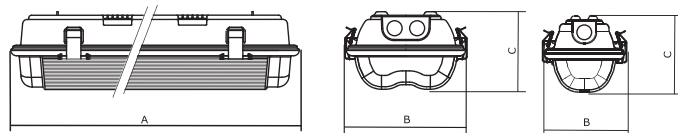
PAR – parabolic reflector

AUTOTEST – light fitting equipped with autotest

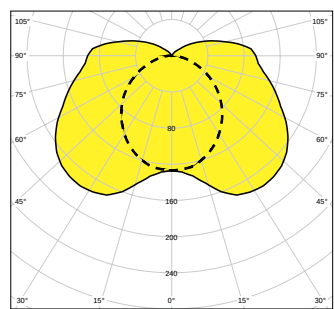
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em)

FTZU 02 ATEX 0313X



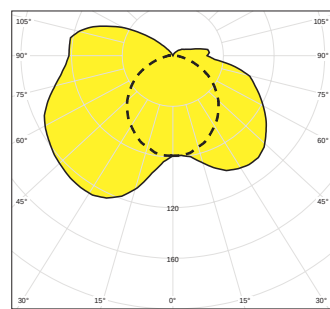
VIPET-N-Em, 2x36W, IP 66



— C0-C180

---- C90-C270

VIPET-N-Em, 2x36W, IP 66 – emergency mode



— C0-C180

---- C90-C270

			AirB (mm)
– inductive ballast, maintained emergency mode, 0 ≤ ta ≤ 30°C			
052246	MULTIVIPET-N-PC-218, 2x18W, 1h	T26/G13	685 x 173 x 110
052245	MULTIVIPET-N-PC-218-K, 2x18W, 1h		685 x 173 x 110
052086	MULTIVIPET-N-PC-236, 2x36W, 1h		1290 x 173 x 110
052085	MULTIVIPET-N-PC-236-K, 2x36W, 1h		1290 x 173 x 110
052146	MULTIVIPET-N-PC-136, 1x36W, 1h		1290 x 119 x 110
052145	MULTIVIPET-N-PC-136-K, 1x36W, 1h		1290 x 119 x 110
052346	MULTIVIPET-N-PC-258, 2x58W, 1h		1590 x 173 x 110
052345	MULTIVIPET-N-PC-258-K, 2x58W, 1h		1590 x 173 x 110
052486	MULTIVIPET-N-PC-158, 1x58W, 1h		1590 x 119 x 110
052485	MULTIVIPET-N-PC-158-K, 1x58W, 1h		1590 x 119 x 110

– electronic ballast, maintained emergency mode, 0 ≤ ta ≤ 30°C			
052247	MULTIVIPET-N-PC-218-EP, 2x18W, 1h	T26/G13	685 x 173 x 110
052087	MULTIVIPET-N-PC-236-EP, 2x36W, 1h		1290 x 173 x 110
052147	MULTIVIPET-N-PC-136-EP, 1x36W, 1h		1290 x 173 x 110
052347	MULTIVIPET-N-PC-258-EP, 2x58W, 1h		1590 x 173 x 110
052487	MULTIVIPET-N-PC-158-EP, 1x58W, 1h		1590 x 173 x 110

			AirB (mm)
– non-maintained emergency mode, ta 0 ≤ ta ≤ 30°C			
052445	VIPET-N-EM-PC-118, 1x18W, 1h	T26/G13	685 x 173 x 110
052148	VIPET-N-EM-PC-136, 1x36W, 1h		1290 x 119 x 110
052488	VIPET-N-EM-PC-158, 1x58W, 1h		1590 x 173 x 110

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

MULTIVIPET-N	MULTIVIPET-N-EP
2x18W Ⓢ II 3G Ex nA IIC T5 Gc; T75°C	2x18W Ⓢ II 3G Ex nA IIC T4 Gc; T75°C
1x36W Ⓢ II 3G Ex nA IIC T5 Gc; T75°C	1x36W Ⓢ II 3G Ex nA IIC T4 Gc; T75°C
2x36W Ⓢ II 3G Ex nA IIC T5 Gc; T75°C	2x36W Ⓢ II 3G Ex nA IIC T4 Gc; T75°C
1x58W Ⓢ II 3G Ex nA IIC T5 Gc; T75°C	1x58W Ⓢ II 3G Ex nA IIC T4 Gc; T75°C
2x58W Ⓢ II 3G Ex nA IIC T5 Gc; T75°C	2x58W Ⓢ II 3G Ex nA IIC T4 Gc; T75°C

VIPET-N-I	VIPET-N-EM
Ⓢ II 3D Ex tc IIIC Tx °C Dc	1x18W Ⓢ II 3G Ex nA IIC T5 Gc; T42°C
	1x36W Ⓢ II 3G Ex nA IIC T5 Gc; T42°C
	1x58W Ⓢ II 3G Ex nA IIC T5 Gc; T42°C



For areas with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.



POINTER-N-I

IP 66



Application: emergency model for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certification FTZU 02 ATEX 0313X).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: 1/3 F – one or three phase through-wiring connection

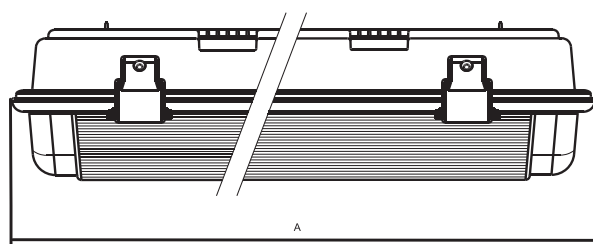
AR – aluminium linear reflector (deep radiant)

PAR – parabolic reflector

AUTOTEST – light fitting equipped with autotest

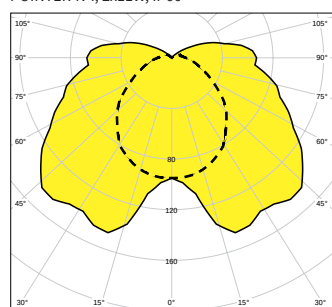
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em)



FTZÚ 02 ATEX 0144X

POINTER-N-I, 2x11W, IP66



— C0-C180 - - - - C90-C270

- electronic ballast, -20°C ≤ t _a ≤ +40°C		TC-SEL/2G7	
052021	POINTER-N-I-PC-211-EP, 2x9/11W		338 x 173 x 105
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		
001744 LAK	Protective cage		

Application of light fixtures in areas with danger of explosion

Marking of external influences	Classification areas	
	Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22 ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA ČSN EN 60079-14 ČSN EN 60079-10-1

POINTER-N-I	POINTER-N-I-EP
2x11W Ⓜ II 3G Ex nA IIC T4 Gc Ⓜ II 3D Ex tc IIIC T65°C Dc	2x11W Ⓜ II 3G Ex nA IIC T4 Gc Ⓜ II 3D Ex tc IIIC T65°C Dc



For areas with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.





BASET-N, MULTIBASET-N

IP 66



Application: emergency model for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 04 ATEX 0219X).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC). Emergency unit 230 V/50 Hz

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

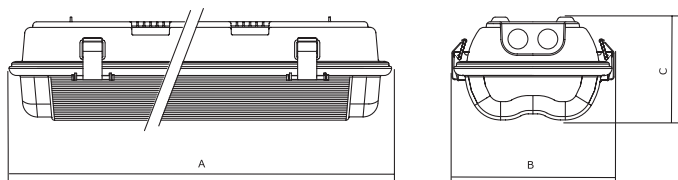
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips, compact fluorescent lamp DULUX S/E 9 W or DULUX S/E 11 W, pictograms

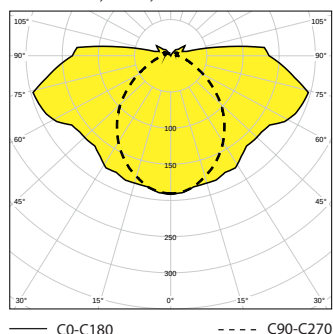
On request: AUTOTEST – light fitting equipped with autotest
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em)

FTZÚ 04 ATEX 0219X



BASET-N-I-PC, 1x11W, IP 66



			ABxC (mm)
- non-maintained emergency mode, 0 ≤ ta ≤ 30°C			
052022	BASET-N-I-PC-109, 1x9W, 3h	TC-SEL/2G7	338 x 173 x 105
052040	BASET-N-I-PC-111, 1x11W, 3h	TC-SEL/2G7	338 x 173 x 105
- electronic ballast, maintained emergency mode, 0 ≤ ta ≤ 30°C			
052030	MULTIBASET-N-PC-109-EP, 1x9W, 3h, 2G7	TC-SEL/2G7	338 x 173 x 105
052031	MULTIBASET-N-PC-111-EP, 1x11W, 3h, 2G7	TC-SEL/2G7	338 x 173 x 105
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

BASET – N – I		MULTIBASET – N – I	
1x9 W	Ⓜ II 3G Ex nA IIC T6 Gc Ⓜ II 3D Ex tc IIIC T45°C Dc	1x9 W	Ⓜ II 3G Ex nA IIC T6 Gc Ⓜ II 3D Ex tc IIIC T45°C Dc
1x11 W	Ⓜ II 3G Ex nA IIC T6 Gc Ⓜ II 3D Ex tc IIIC T45°C Dc	1x11 W	Ⓜ II 3G Ex nA IIC T6 Gc Ⓜ II 3D Ex tc IIIC T45°C Dc



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

AQUA-N

IP 68



Application: premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certification FTZU 02 ATEX 0445X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from **PC** (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland,

On request: **1/3 F** – one or three phase through-wiring connection

AS – asymmetric reflector

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

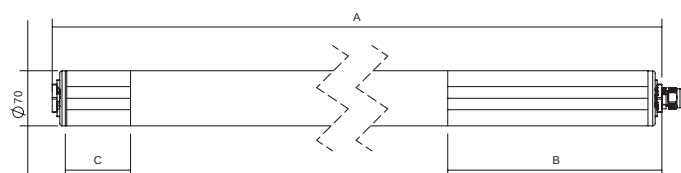
			ASB (mm)
– electronic ballast, -20°C ≤ ta ≤ +40°C			
083723	AQUA-N-118-EP, 1x18W		1081 x 367 x 95
083724	AQUA-N-136-EP, 1x36W	T26/G13	1691 x 367 x 95
083725	AQUA-N-158-EP, 1x58W		1991 x 367 x 95
– inductive ballast, -20°C ≤ ta ≤ +40°C			
083720	AQUA-N-118-K, 1x18W		1150 x 240 x 261
083721	AQUA-N-136-K, 1x36W	T26/G13	1740 x 240 x 242
083722	AQUA-N-158-K, 1x58W		2089 x 240 x 291
– special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051106	Plastic suspension bracket with accessories		
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket		
053630	Plastic mounting bracket (1 pc)		
053628	Stainless steel mounting bracket (1 pc)		

Application of light fixtures in areas with danger of explosion

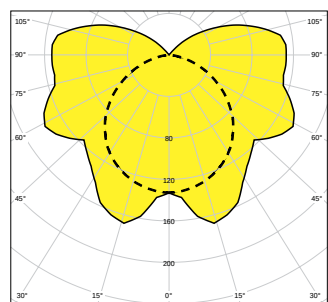
	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

AQUA-N	
1x18W	Ⓜ II 3D Ex tc III C T75°C Dc Ⓜ II 3G Ex nA IIC T4 Gc
1x36W	Ⓜ II 3D Ex tc III C T75°C Dc Ⓜ II 3G Ex nA IIC T4 Gc
1x58W	Ⓜ II 3D Ex tc III C T75°C Dc Ⓜ II 3G Ex nA IIC T4 Gc

FTZÚ 02 ATEX 0445X

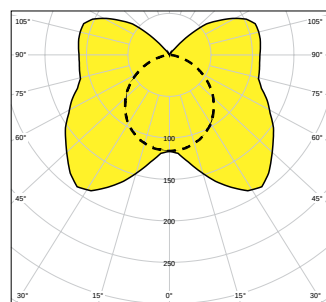


AQUA-N, 1x36W, IP68

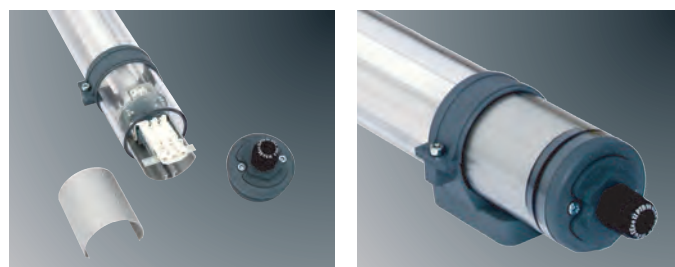


— C0-C180 - - - - C90-C270

AQUA-N, 1x28W, IP68



— C0-C180 - - - - C90-C270



RAMBO-N

IP 67



Application: premises with danger of explosion. For outdoor use we recommend to order the stainless steel providing. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 02 ATEX 0446X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003; plastic sides from **PC** (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from **PC** (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland,

On request: 1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

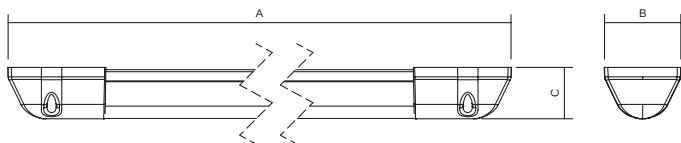
			ATEX (mm)
- inductive ballast, -20°C ≤ t_a ≤ +40°C			
083678	RAMBO-N -118-K, 1x18W	T26/G13	1318 x 113 x 76
083679	RAMBO-N-136-K, 1x36W		1909 x 113 x 76
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
004569	Screw with special head		
002020	Spanner for mounting and dismantling special screw		

Application of light fixtures in areas with danger of explosion

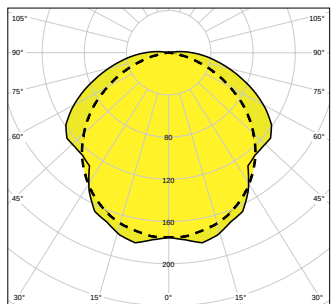
	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	CSN EN 60079-14 CSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	CSN EN 60079-14 CSN EN 60079-10-1

RAMBO-N	
1x18W	II 3G Ex nA IIC T4 Gc II 3D Ex tc IIIC T75°C Dc
1x36W	II 3G Ex nA IIC T4 Gc II 3D Ex tc IIIC T75°C Dc
1x58W	II 3G Ex nA IIC T4 Gc II 3D Ex tc IIIC T75°C Dc

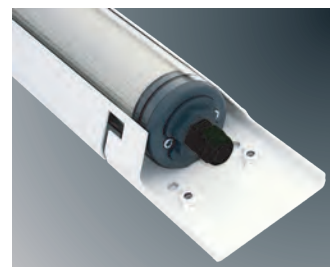
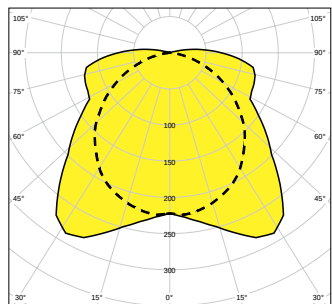
FTZÚ 02 ATEX 0446X



RAMBO-N, 1x18W, IP 67



RAMBO-N, 1x54W, IP 67





PITBUL-N

IP 65



Application: premises with danger of explosion. They can be used in areas with difficult and expensive replacement of light sources. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 05 ATEX 0199X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **1/3 F** – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

RAL – another colour finishing

Em – non-maintained emergency lighting (1 h, 3 h)

MULTI – maintained emergency lighting (1 h, 3 h)

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

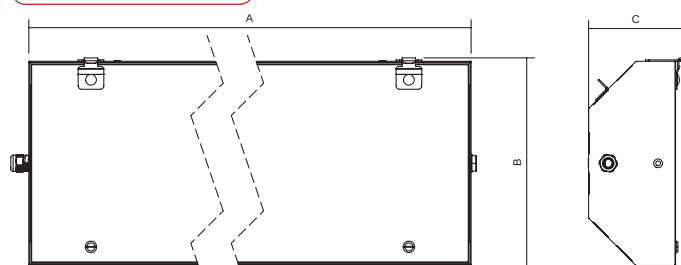
			
- electronic ballast, -20°C ≤ t _a ≤ +40°C			
053870	PITBUL-N-I-118-EP, 1x18 W	T26/G13	701 x 302 x 130
053871	PITBUL-N-I-218-EP, 2x18 W		701 x 302 x 130
053872	PITBUL-N-I-318-EP, 3x18 W		701 x 302 x 130
053873	PITBUL-N-I-418-EP, 4x18 W		701 x 362 x 130
053874	PITBUL-N-I-136-EP, 1x36 W		1312 x 302 x 130
053875	PITBUL-N-I-236-EP, 2x36 W		1312 x 302 x 130
053876	PITBUL-N-I-336-EP, 3x36 W		1312 x 302 x 130
053877	PITBUL-N-I-436-EP, 4x36 W		1312 x 362 x 130
053878	PITBUL-N-I-158-EP, 1x58 W		1611 x 302 x 130
053879	PITBUL-N-I-258-EP, 2x58 W		1611 x 302 x 130
053880	PITBUL-N-I-358-EP, 3x58 W		1611 x 302 x 130
053881	PITBUL-N-I-458-EP, 4x58 W		1611 x 362 x 130
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
053940	Set of bracket grips with accessory (2 pcs)		
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)		
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)		
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)		
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)		
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)		
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)		
054935	Set of stainless steel ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		
051146	Pole bracket for Ø50 mm		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

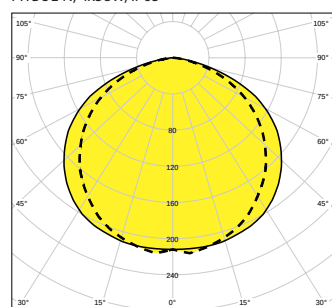
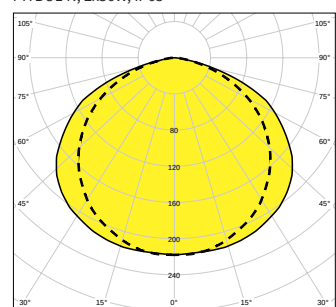
PITBUL-N	PITBUL-N-EP
1x/2x/3x/4x18W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x18W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc
1x/2x/3x/4x36W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x36W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc
1x/2x/3x/4x58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc

FTZÚ 05 ATEX 0199X



PITBUL-N, 2x36W, IP65

PITBUL-N, 4x58W, IP65

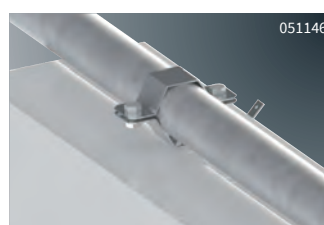


— C0-C180

---- C90-C270

— C0-C180

---- C90-C270



051146



054935

FILA-N

IP 65



Application: premises with danger of explosion. They can be used in paint boxes and paint shops. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 05 ATEX 0043X).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening to the false ceiling on the wall (care must be taken on a sufficiently rigid carrier substrate)

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: Em – non-maintained emergency lighting (1 h, 3 h)

MULTI – maintained emergency lighting (1 h, 3 h)

1/3 F – one or three phase through-wiring connection

RAL – another colour finishing

NEREZ – body from stainless steel sheet

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			AbxC (mm)
– electronic ballast, $-20^{\circ}\text{C} \leq t_a \leq +40^{\circ}\text{C}$			
053976	FILA-N-218-EP, 2x18 W	T26/G13	770 x 380 x 65
053954	FILA-N-236-EP, 2x36 W		1370 x 380 x 65
053953	FILA-N-258-EP, 2x58 W		1670 x 380 x 65
053977	FILA-N-336-EP, 3x36 W		1370 x 530 x 65
053983	FILA-N-358-EP, 3x58 W		1670 x 530 x 65
053952	FILA-N-418-EP, 4x18 W		770 x 530 x 65
053951	FILA-N-436-EP, 4x36 W		1370 x 530 x 65
053950	FILA-N-458-EP, 4x58 W		1670 x 530 x 65

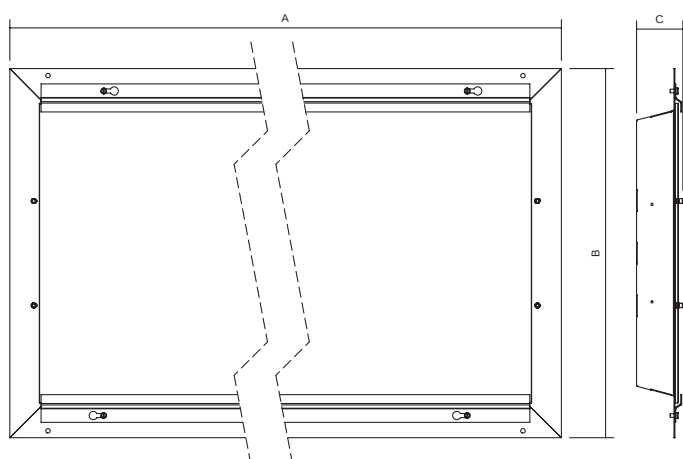
			AbxC (mm)
– electronic ballast, duration 1h, $0 \leq t_a \leq 40^{\circ}\text{C}$			
053958	MULTIFILA-N-236-EP, 2x36 W, 1h	T26/G13	1370 x 380 x 65
053956	MULTIFILA-N-258-EP, 2x58 W, 1h		1670 x 380 x 65
053959	MULTIFILA-N-418-EP, 4x18 W, 1h		770 x 530 x 65
053957	MULTIFILA-N-436-EP, 4x36 W, 1h		1370 x 530 x 65
053955	MULTIFILA-N-458-EP, 4x58 W, 1h		1670 x 530 x 65

– special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		

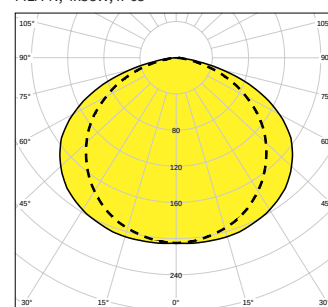
Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

FILA-N-EP	MULTIFILA-N-EM
2x36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc	2x36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc
4x18/36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc	4x18/36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc



FILA-N, 4x58W, IP65



— C0-C180 - - - - C90-C270



K-2-N, K-3-N

IP 65



Application: premises with danger of explosion. They can be used in interior or exterior areas. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 06 ATEX 0058X).

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Aluminium casting

Cover: Tempered safety glass

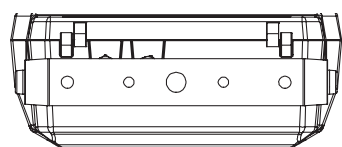
Reflector: Aluminium hammer plate, anodized surface

Fastening: Fastening on the base by means of positioning bracket grips

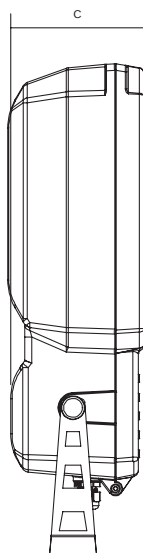
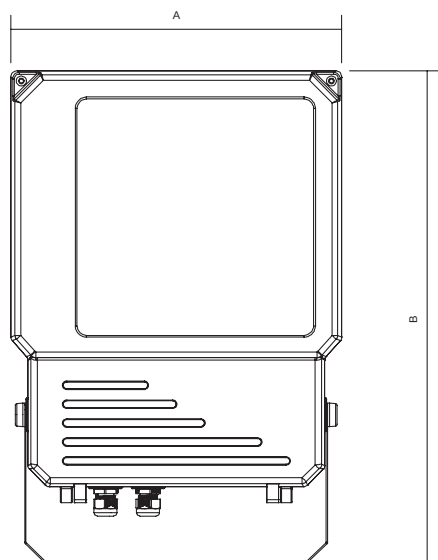
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



FTZÚ 06 ATEX 0058X



			AxBxC (mm)
- K-2-N, high pressure sodium discharge lamp HST, -20°C ≤ t_a ≤ +40°C			
054530	K-2-N-150S-SYM, E40, 1 x 150W	HST/E40	350 x 524 x 160
054531	K-2-N-150S-ASYM, E40, 1 x 150W		350 x 524 x 160
054532	K-2-N-250S-SYM, E40, 1 x 250W		350 x 524 x 160
054533	K-2-N-250S-ASYM, E40, 1 x 250W		350 x 524 x 160

- K-2-N, high pressure metal halide lamp HIT, -20°C ≤ t_a ≤ +40°C			
054529	K-2-N-150H-SYM, 1x150W, E40	HIT/E40	350 x 524 x 160
054528	K-2-N-150H-ASYM, 1x150W, E40		350 x 524 x 160
054534	K-2-N-250H-SYM, E40, 1 x 250W		350 x 524 x 160
054535	K-2-N-250H-ASYM, E40, 1 x 250W		350 x 524 x 160

			AxBxC (mm)
- K-3-N, high pressure sodium discharge lamp HST, -20°C ≤ t_a ≤ +40°C			
054540	K-3-N-250S-SYM, E40, 1x250W	HST/E40	452 x 660 x 218
054541	K-3-N-250S-ASYM, E40, 1x250W		452 x 660 x 218
054536	K-3-N-400S-SYM, E40, 1 x 400W		452 x 660 x 218
054537	K-3-N-400S-ASYM, E40, 1 x 400W		452 x 660 x 218

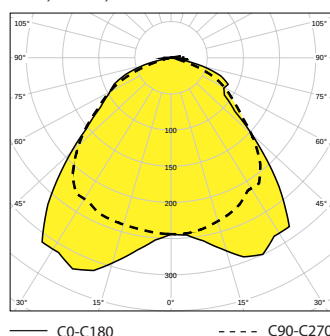
- K-3-N, high pressure metal halide lamp HIT, -20°C ≤ t_a ≤ +40°C			
054542	K-3-N-250H-SYM, E40, 1x250W, 3,0A	HIT/E40	452 x 660 x 218
054543	K-3-N-250H-ASYM, E40, 1x250W, 3,0A		452 x 660 x 218
054538	K-3-N-400H-SYM, E40, 1 x 400W		452 x 660 x 218
054539	K-3-N-400H-ASYM, E40, 1 x 400W		452 x 660 x 218

Application of light fixtures in areas with danger of explosion

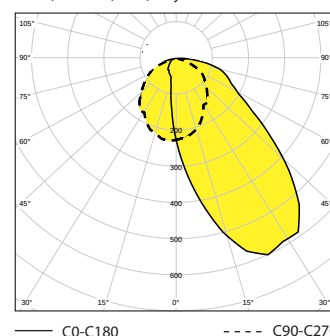
	Marking of external influences	Classification areas	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

K-2-N	K-3-N
150W/HST	400W/HST
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc
150W/HIT	400W/HIT
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc
250W/HST	250W/HST
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc
250W/HIT	250W/HIT
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc

K-2-N, 1x250W, IP65



K-3-N, 1x400W, IP65, assymetric reflector





EMERGENCY LIGHTING FIXTURES



PALAS-LED

IP 65



Application: maintained/non-maintained emergency lighting model for areas with requirements for resistance against dust and moisture, i.e. industrial areas and halls, warehouses, schools, hospitals and corridors.

Body: Plastic material PC/ABS

Cover: Transparent PC cover

Fastening: Direct or recessed fastening on ceiling or wall lighted area or with suspended or stucked pictograms.

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Emergency lighting: maintained (230 V AC / 50 - 60 Hz ± 10%) (3h)
CB – central battery system (230 V AC / 50 - 60 Hz ± 10%, 186 - 254 V DC)

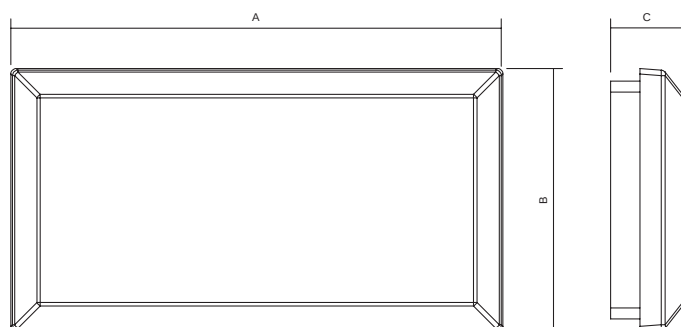
On request: RAL – another color finishing (RAL 9003/RAL 7035; RAL 9004/special color)

AT – autotest

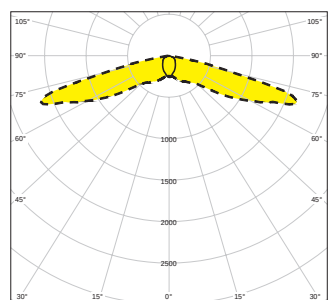
DATA – central monitoring system

COLD – lighting for ambient temperature -15 °C – 40 °C

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



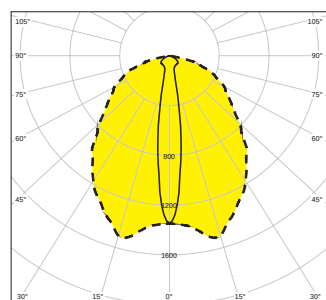
PALAS-LED C2



— C0-C180

---- C90-C270

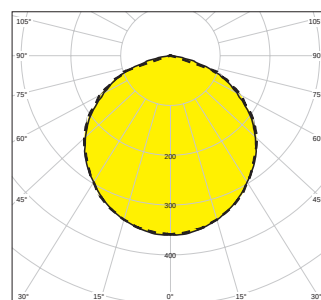
PALAS-LED F2



— C0-C180

---- C90-C270

PALAS-LED M5



— C0-C180

---- C90-C270

			(lm)°	AsBx (mm)
141650	PALAS-LED-1-M1-ST, 1h		193 / 128	264 x 144 x 40
141651	PALAS-LED-3-M1-ST, 3h		193 / 128	264 x 144 x 40
141652	PALAS-LED-1-M2-ST, 1h		235 / 218	264 x 144 x 40
141653	PALAS-LED-3-M2-ST, 3h		235 / 218	264 x 144 x 40
141654	PALAS-LED-1-M5-ST, 1h	LED	243 / 522	264 x 144 x 40
141655	PALAS-LED-3-M5-ST, 3h		243 / 522	264 x 144 x 40
141656	PALAS-LED-M1-CB		193 / 193	264 x 144 x 40
141657	PALAS-LED-M2-CB		235 / 235	264 x 144 x 40
141658	PALAS-LED-M5-CB		470 / 470	264 x 144 x 40

			(lm)°	AsBx (mm)
141660	PALAS-LED-1-F1-ST, 1h		205 / 205	264 x 144 x 40
141661	PALAS-LED-1-F2-ST, 1h		241 / 398	264 x 144 x 40
141662	PALAS-LED-F1-CB	LED	205 / 205	264 x 144 x 40
141663	PALAS-LED-F2-CB		398 / 398	264 x 144 x 40

			(lm)°	AsBx (mm)
- corridor function				
141660	PALAS-LED-1-F1-ST, 1h		205 / 205	264 x 144 x 40
141661	PALAS-LED-1-F2-ST, 1h		241 / 398	264 x 144 x 40
141662	PALAS-LED-F1-CB	LED	205 / 205	264 x 144 x 40
141663	PALAS-LED-F2-CB		398 / 398	264 x 144 x 40

			(lm)°	AsBx (mm)
- with pictograms				
141670	PALAS-LED-1-E1P-ST, 1h		> 200 cd / m ²	264 x 144 x 40
141671	PALAS-LED-3-E1P-ST, 1h		> 200 cd / m ²	264 x 144 x 40
141672	PALAS-LED-E1P-02-CB	LED	> 200 cd / m ²	264 x 144 x 40

			(lm)°	AsBx (mm)
- special equipment				
141581	suspended diagram			
141582	set for recessed installation for plasterboard			



DIOS

IP 65



Application: maintained emergency lighting model for areas with requirements for resistance to external influences.

Body: Plastic material PC/ABS + ALU, RAL 9003

Cover: OP – optical PMMA cover

Reflector: White painted metal sheet RAL 9003

Fastening: Direct or recessed fastening on ceiling or wall lighted area or with suspended pictograms on cable suspenders

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

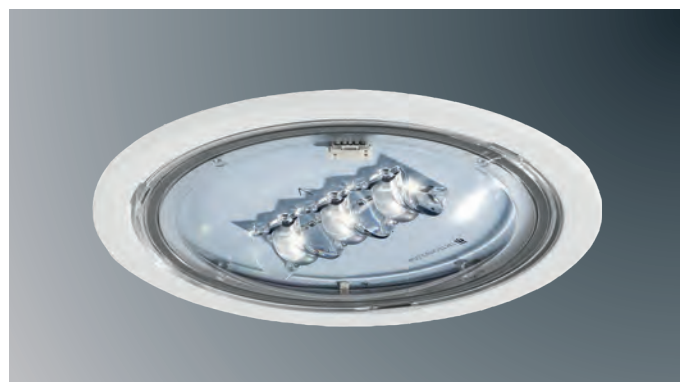
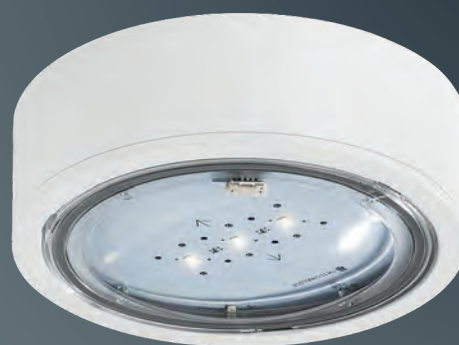
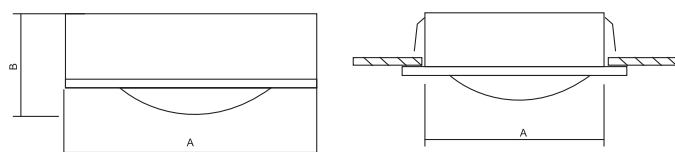
On request: AT – autotest

DATA – central monitoring system

COR – corridor fiction

RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



1			AxB (mm)
- luminaires for non-maintained emergency lighting			
141615	DIOS-COR-1-2W-ST, 1 h*	LED	155 x 66,5
141616	DIOS-COR-3-2W-ST, 3 h		155 x 66,6
141617	DIOS-COR-1-5W-ST, 1 h		170 x 66,5
141618	DIOS-COR-3-5W-ST, 3 h		170 x 66,6
141619	DIOS-COR-1-2W-AT, 1 h		155 x 66,5
141620	DIOS-COR-3-2W-AT, 3 h		155 x 66,6
141621	DIOS-COR-1-5W-AT, 1 h		170 x 66,5
141622	DIOS-COR-3-5W-AT, 3 h		170 x 66,6
141623	DIOS-COR-1-2W-DATA, 1 h		155 x 66,5
141624	DIOS-COR-3-2W-DATA, 3 h		155 x 66,6
141625	DIOS-COR-1-5W-DATA, 1 h		170 x 66,5
141626	DIOS-COR-3-5W-DATA, 3 h		170 x 66,6

1			AxB (mm)
- luminaires for central battery system			
141612	DIOS-CB-3W	LED	155 x 66,5
141613	DIOS-CB-9W		170 x 66,6
141627	DIOS-COR-CB-3W		155 x 66,5
141628	DIOS-COR-CB-9W		170 x 66,6

** automatic test

* manual test

- special equipment

0141632 set of brackets for plasterboard

Description	Duration	Luminous flux
- technical parameters		
Dios - 2W	1h, 3h	101 lm
Dios - 5W	1 h	204 lm
Dios - 5W	3 h	204 lm
Dios COR-2W	1 h, 3 h	101 lm
Dios COR-5W	1 h	204 lm
Dios COR-5W	3 h	204 lm





VELOS

IP 20



Application: maintained emergency lighting model for offices, restaurants, hotels, hospitals and for commercial use.

Body: Plastic material **PC** (polycarbonate)

Reflector: Plastic material **PC** (polycarbonate)

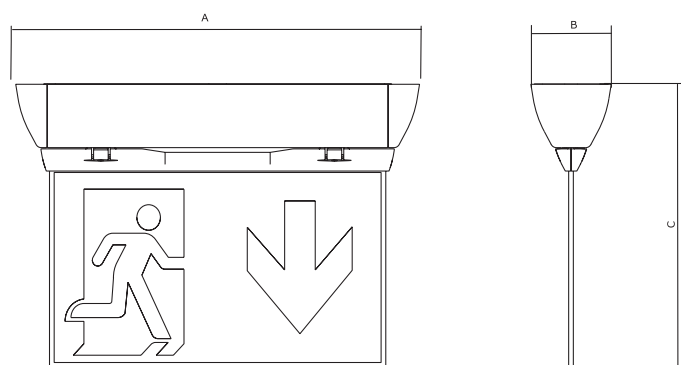
Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screwless terminal block for outer easy mounting, max. diameter of wires 2,5 5 mm²

On request: **AT** – autotest

CB – central battery system

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



- luminaires for emergency lighting				
100000	VELOS-1,5H			346 x 224 x 69
100001	VELOS-3H			346 x 224 x 69
100002	VELOS-CB		LED	346 x 224 x 69
100003	VELOS-M-AT-1,5H			346 x 224 x 69
100004	VELOS-M-AT-3H			346 x 224 x 69
- special equipment				
100270	O-ESA-RB Recessed base Velos			
100271	O-ESA-FLEX-FLEXI joint Velos			
100272	O-ESA-RSA Adjustable cable suspender 150 cm Velos			
100273	O-ESA-PS30 Tube suspender Velos 48 cm (ISO30061)			
100274	O-ESA-LMB Base for mounting perpendicular Velos			
100275	O-ESA-BMB Base for wall mounting Velos			
100276	O-ESP-ELR Pictogram Velos EURO LEFT/RIGHT 30 m			
100277	O-ESP-ED-Pictogram Velos EURO DOWN/BLANK 30 m			
100278	O-ESP-EDD-Pictogram Velos EURO DOWN/DOWN 30 m			
100279	O-ESP-EU-Pictogram Velos EURO UP/BLANK 30 m			
100280	O-ESP-EUU-Pictogram Velos EURO UP/UP 30 m			
100281	O-ESP-E2R-Pictogram Velos EURO transverse to room			
100282	O-ESP-E2W-Pictogram Velos EURO transverse to wall			





PLANETE 60D, NEXILITE

IP 41, IP 40/IP 65



PLANETE 60D

Application: maintained emergency lighting model for offices, restaurants, hotels, hospitals and for commercial use.

Body: Plastic material **PC** (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screwless terminal block, max. diameter of wires 2,5 mm²

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

NEXILITE

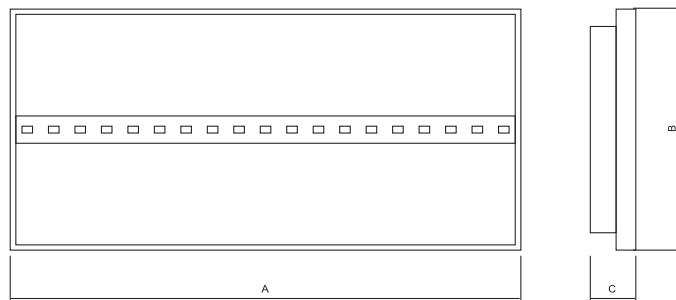
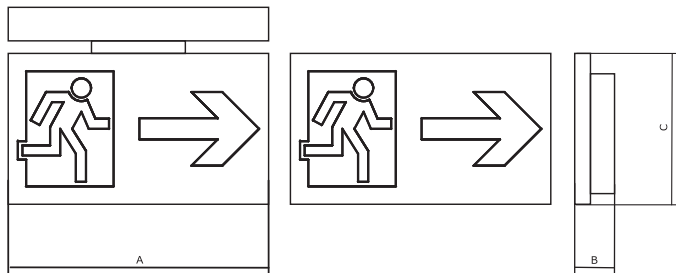
Application: maintained emergency lighting model for interior and outdoor areas.

Body: Plastic material **PC** (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screwless terminal block, max. diameter of wires 2,5 mm²

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



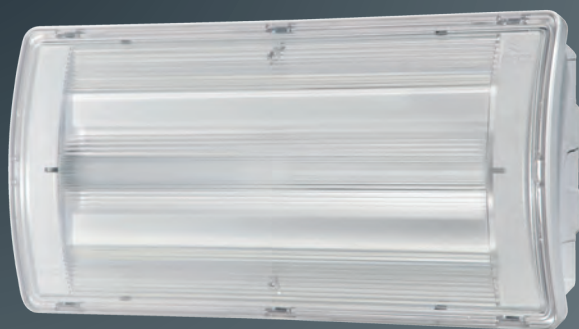
				AvB (mm)
- luminaires for maintained emergency lighting				
100172	PLANETE 60D, LUM17002	2 bílá Led		240 x 137
- special equipment				
100199	LUM10514 Recessed base			
100198	LUM10518 Pictogram left/right			
100197	LUM10517 Pictogram down			

				AvB (mm)
- light fixtures for non-maintained emergency lighting				
100150	NEXILITE-100lm-1H			292 x 111 x 40
100151	NEXILITE-150lm-1H	LED		292 x 111 x 40
100152	NEXILITE-250lm-1H			292 x 111 x 40

				AvB (mm)
- light fixtures for non-maintained / maintained emergency lighting				
100153	NEXILITE-150lm-M-3H			292 x 111 x 40
100154	NEXILITE-250lm-M-3H	LED		292 x 111 x 40

- special equipment				
100283	NEXI-PLEXL-DD Pictogram NEXILITE double-side panel DOWN/DOWN 30m			
100284	NEXI-PLEXL-LR Pictogram NEXILITE double-side panel LEFT/RIGHT 30m			
100285	NEXI-PLEXL-DB Pictogram NEXILITE double-side panel DOWN/BLANK 30m			
100286	NEXI-PICTO-D Pictogram NEXILITE one-side panel DOWN 20m			
100287	NEXI-PICTO-L Pictogram NEXILITE one-side panel LEFT 20m			
100288	NEXI-PICTO-R Pictogram NEXILITE one-side panel RIGHT 20m			
100289	NEXI-PICTO-L Pictogram NEXILITE one-side panel UP 20m			
100290	NEXI-IP NEXILITE Set IP65			
100291	NEXI-RB NEXILITE Flush mounting base (switch 277x100mm)			
100292	NEXI-FC NEXILITE Adapter into ceiling (switch 272x95mm)			
100293	LUM10312 NEXILITE Remote command for sleep and test			





SIRIOS

IP 42



Application: maintained/non-maintained emergency lighting model for areas with requirements for resistance against dust and moisture, i.e. industrial areas and halls, sport centers, hospitals, schools, offices and corridors.

Body: Plastic material **ABS** (acrylonitrile-butadiene-styrene)

Reflector: Plastic material **ABS** (acrylonitrile-butadiene-styrene)

Cover: Plastic material **PC** (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

Connection: Screwsless terminal block

Standard equipment: compact fluorescent lamp 8 W/11 W/18 W/24 W/840, set of pictograms (excluded CB/AT)

On request: **AT** – autotest

CB – central battery system

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

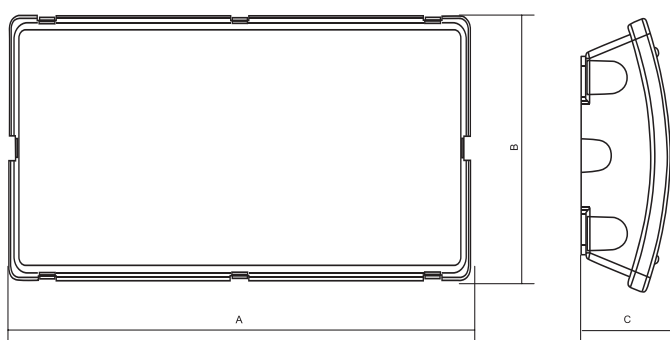
		(mm)	AxB (mm)
– luminaires for non-maintained emergency lighting			
100030	SIRIOS-108-1,5H	85	359 x 168
100031	SIRIOS-108-3H	85	359 x 168
100034	SIRIOS-111-1,5H	180	359 x 168
100035	SIRIOS-111-3H	180	359 x 168
100036	SIRIOS-118-1,5H	268	359 x 168
100037	SIRIOS-118-3H	268	359 x 168
100038	SIRIOS-124-1,5H	330	359 x 168
100039	SIRIOS-124-3H	330	359 x 168

– luminaires for maintained emergency lighting			
100040	SIRIOS-108-M-1,5H	85	359 x 168
100041	SIRIOS-108-M-3H	85	359 x 168
100042	SIRIOS-111-M-1,5H	180	359 x 168
100043	SIRIOS-111-M-3H	180	359 x 168
100044	SIRIOS-118-M-1,5H	268	359 x 168
100045	SIRIOS-118-M-3H	268	359 x 168
100046	SIRIOS-124-M-1,5H	330	359 x 168
100047	SIRIOS-124-M-3H	330	359 x 168

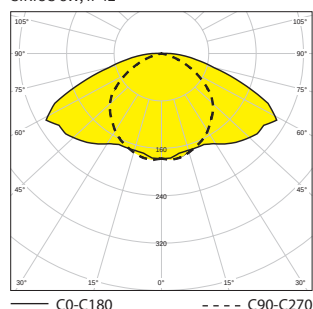
– luminaires for central battery system			
100050	SIRIOS-108-CB		359 x 168
100051	SIRIOS-111-CB		359 x 168
100052	SIRIOS-118-CB		359 x 168
100053	SIRIOS-124-CB		359 x 168

– luminaires with autotest			
100062	SIRIOS-108-AT-1,5H	200	359 x 168
100064	SIRIOS-111-AT-1,5H	220	359 x 168
100066	SIRIOS-118-AT-1,5H	230	359 x 168
100068	SIRIOS-124-AT-1,5H	330	359 x 168
100070	SIRIOS-108-M-AT-1,5H	200	359 x 168
100072	SIRIOS-111-M-AT-1,5H	220	359 x 168
100074	SIRIOS-118-M-AT-1,5H	230	359 x 168
100076	SIRIOS-124-M-AT-1,5H	330	359 x 168

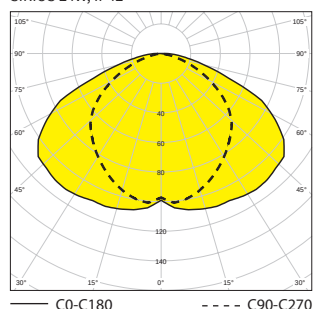
- MAINS and AUT versions do not include set of pictograms.



SIRIOS 8W, IP42



SIRIOS 24W, IP42

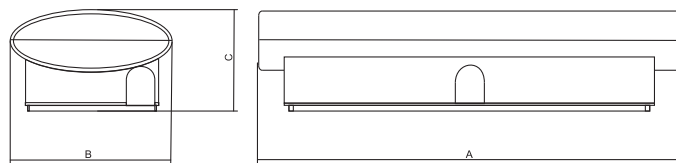




IP 42, IP 40



On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



			
- luminaires for non-maintained emergency mode			
100015	CRONUS-108-1,5H, IP42 / EL8	T16/G5	345 x 133 x 63
100016	CRONUS-108-3H, IP42 / EL8-3H		345 x 133 x 63
- luminaires for maintained emergency mode			
100017	CRONUS-108-M-1,5H, IP42 / EL8M	T16/G5	345 x 133 x 63
100018	CRONUS-108-M-3H, IP42 / EL8M-3H		345 x 133 x 63
- special equipment			
100203	Cronus, panel and pictogram left/right		
100204	Cronus, panel and pictogram down		
- technical parameters			
Description	Duration	Lamp / luminous flux	% emergency factor
EL8-CRONUS	1,5 h	8 W/500 lm	45%
EL8-3H-CRONUS	3 h	8 W/500 lm	45%
EL8M-CRONUS	1,5 h	8 W/500 lm	45%
EL8M-3H-CRONUS	3 h	8 W/500 lm	45%

Duration = nominal duration of the emergency operation



BASET-I, MULTIBASET-I

IP 66



Application: maintained/non-maintained emergency lighting model with resistance against water jets is designed for lighting interior areas with requirements for resistance to external influences.

Body: Plastic material **ABS** (acrylonitrile-butadiene-styrene) or **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic material **SAN** (styrene-acrylonitrile) or **PC** (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

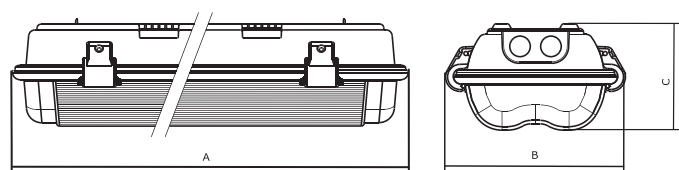
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 2 pcs sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, compact fluorescent lamp DULUX S/E 9 W or DULUX S/E 11 W, pictograms

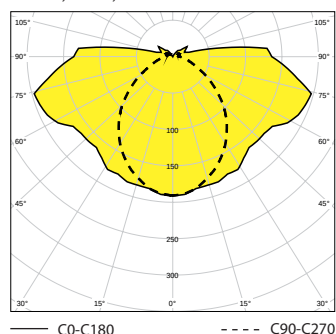
On request: **GESIS** – possibility to equip light fixtures with connectors

CB – central battery system

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



BASET-I, 1x11W, IP 66



– luminaires for non-maintained emergency mode

052042	BASET-I-111-PMMA, 1 x 11W, 1h		338 x 186 x 105
052007	BASET-I-111-PC, 1 x 11W, 1h		338 x 186 x 105
052037	BASET-I-109-PMMA, 1 x 9W, 1h		338 x 186 x 105
052039	BASET-I-109-PC, 1 x 9W, 1h	TC-SEL/ 2G7	338 x 186 x 105
052024	BASET-I-111-PMMA, 1 x 11W, 3h		338 x 186 x 105
052025	BASET-I-111-PC, 1 x 11W, 3h		338 x 186 x 105
052008	BASET-I-109-PMMA, 1 x 9W, 3h		338 x 186 x 105
052018	BASET-I-109-PC, 1 x 9W, 3h		338 x 186 x 105

– luminaires for maintained emergency mode

052043	MULTIBASET-I-111PMMA, 1 x 11W, 1h		338 x 186 x 105
052005	MULTIBASET-I-111-PC, 1 x 11W, 1h		338 x 186 x 105
052038	MULTIBASET-I-109-PMMA, 1 x 9W, 1h		338 x 186 x 105
052044	MULTIBASET-I-109-PC, 1 x 9W, 1h	TC-SEL/ 2G7	338 x 186 x 105
052026	MULTIBASET-I-111PMMA, 1 x 11W, 3h		338 x 186 x 105
052027	MULTIBASET-I-111-PC, 1 x 11W, 3h		338 x 186 x 105
052009	MULTIBASET-I-109-PMMA, 1 x 9W, 3h		338 x 186 x 105
052019	MULTIBASET-I-109-PC, 1 x 9W, 3h		338 x 186 x 105

– luminaires for central battery system

051996	BASET-CB-PC-111-EP, 1x11W, IP66		338 x 186 x 105
051997	BASET-CB-PMMA-111-EP, 1x11W, IP66	TC-SEL/ 2G7	338 x 186 x 105
051998	BASET-CB-PC-109-EP, 1x9W, IP66		338 x 186 x 105
051999	BASET-CB-PMMA-109-EP, 1x9W, IP66		338 x 186 x 105

– luminaires for non-maintained emergency mode (FROST)

051980	BASET-I-PC-FROST-109, 1x9W, 1h, -15°C	2G7	338 x 186 x 105
051981	BASET-I-PC-FROST-111, 1x11W, 1h, -15°C		338 x 186 x 105

– luminaires for maintained emergency mode (FROST)

051982	MULTIBASET-I-PC-FROST-109, 1x9W, 1h, -15°C	2G7	338 x 186 x 105
051983	MULTIBASET-I-PC-FROST-111, 1x11W, 1h, -15°C		338 x 186 x 105

– special equipment

051106	Plastic suspension bracket with accessories		
008029	Cable gland PG 13,5 with nut, RAL7004		
008501	M20 sealing plug, grey, incl. gasket and nut		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		

– technical parameters BASET – I

Description	Duration	Lamp / luminous flux	% emergency factor
BASET-I, 1 x 9W	3 h	9W/600lm	15%
BASET-I, 1 x 11W	3 h	11W/900lm	15%
BASET-I, 1 x 9W	1 h	9W/600lm	13%
BASET-I, 1 x 11W	1 h	11W/900lm	13%

– technical parameters MULTIBASET – I

Description	Duration	Lamp / luminous flux	% emergency factor
MULTIBASET-I, 1 x 9W	3 h	9W/600lm	100%/15%
MULTIBASET-I, 1 x 11W	3 h	11W/900lm	100%/15%
MULTIBASET-I, 1 x 9W	1 h	9W/600lm	100%/13%
MULTIBASET-I, 1 x 11W	1 h	11W/900lm	100%/13%

Duration = nominal duration of the emergency operation



KOKR, MULTIKOKR

IP 42



Application: maintained/non-maintained emergency lighting model for interior areas.

Body: Plastic material PC (polycarbonate)

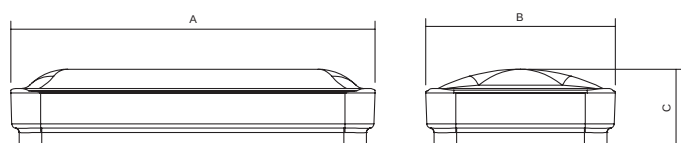
Cover: Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area

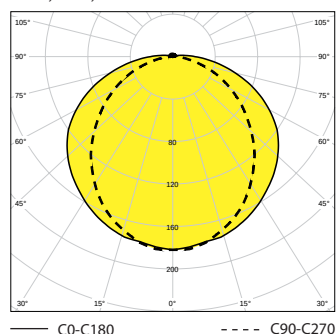
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: compact fluorescent lamp DULUX S/E 9 W or DULUX S/E 11 W, pictograms

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



KOKR, 1x8W, IP42



- luminaires for non-maintained emergency mode				
050213	KOKR-106, 1 x 6W, 1h	T16/G5		323 x 168 x 78
050214	KOKR-108, 1 x 8W, 1h			323 x 168 x 78
050255	KOKR-109, 1 x 9W, 1h			323 x 168 x 78
050208	KOKR-111, 1 x 11W, 1h	TC-SEL/2G7		323 x 168 x 78
050210	KOKR-108, 1 x 8W, 3h	T16/G5		323 x 168 x 78
050212	KOKR-109, 1 x 9W, 3h			323 x 168 x 78
050211	KOKR-111, 1 x 11W, 3h	TC-SEL/2G7		323 x 168 x 78

- luminaires for maintained emergency mode				
050257	MULTIKOKR-106, 1 x 6W, 1h	T16/G5		323 x 168 x 78
050258	MULTIKOKR-108, 1 x 8W, 1h			323 x 168 x 78

- technical parameters KOKR				
Description	Duration	Lamp / luminous flux	% emergency factor	
KOKR, 1 x 8W	3 h	8W/470lm	15%	
KOKR, 1 x 9W	3 h	9W/600lm	15%	
KOKR, 1 x 11W	3 h	11W/900lm	15%	
KOKR, 1 x 6W	1 h	6W/240lm	13%	
KOKR, 1 x 8W	1 h	8W/470lm	13%	
KOKR, 1 x 9W	1 h	9W/600lm	13%	
KOKR, 1 x 11W	1 h	11W/900lm	13%	

- technical parameters MULTIKOKR				
Description	Duration	Lamp / luminous flux	% emergency factor	
MULTIKOKR, 1 x 6W	1 h	6W/240lm	100%/13%	
MULTIKOKR, 1 x 8W	1 h	8W/470lm	100%/13%	

Duration = nominal duration of the emergency operation





STAR 22

IP 42



Application: maintained/non-maintained emergency lighting model for interior areas

Body: Plastic material **ABS** (acrylonitrile-butadiene-styrene)

Cover: Plastic material **PC** (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

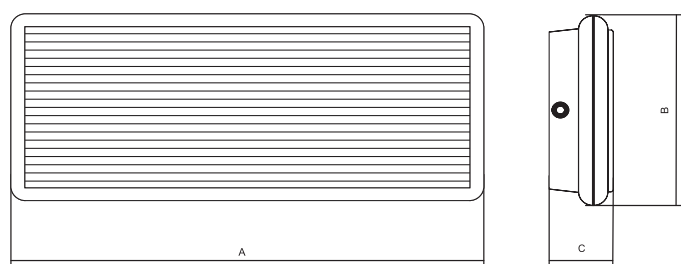
Connection: Screws four-pole terminal block

Standard equipment: compact fluorescent lamp 8 W/11 W/18 W/840, set of pictograms (excluded CB/AT)

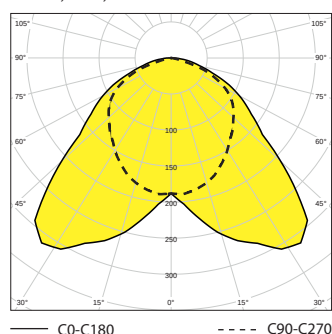
On request: **AT** – autotest

CB – central battery system

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



STAR22, 2x8W, IP 42



				ArBc (mm)
- luminaires for non-maintained emergency mode				
100080	STAR22-108-1,5H	T16/G5		355 x 146 x 46
100081	STAR22-108-3H			355 x 146 x 46
100082	STAR22-111-1,5H	TC-SEL/2G7		355 x 146 x 46
100083	STAR22-111-3H			355 x 146 x 46
100084	STAR22-118-1,5H	PL-L/2G11		355 x 146 x 46
100085	STAR 22 EL20C, 2x8W, 1,5h dočasný	T16/G5		355 x 146 x 46
- luminaires for maintained emergency mode				
100086	STAR22-108-M-1,5H	T16/G5		355 x 146 x 46
100087	STAR22-108-M-3H	PL-L/2G11		355 x 146 x 46
100088	STAR22-111-M-1,5H	T16/G5		355 x 146 x 46
100089	STAR22-111-M-3H	TC-SEL/2G7		355 x 146 x 46
100090	STAR22-118-M-1,5H	PL-L/2G11		355 x 146 x 46
- luminaires for central battery system				
100093	STAR22-108-CB	T16/G5		355 x 146 x 46
100094	STAR22-111-CB	TC-SEL/2G7		355 x 146 x 46
100095	STAR22-118-CB	PL-L/2G11		355 x 146 x 46
- luminaires with autotest				
100097	STAR22-108-M-AT-1H	TC-SEL/2G7		355 x 146 x 46
100098	STAR22-111-AT-1H	PL-L/2G11		355 x 146 x 46
100100	STAR22-118-AT-1H			355 x 146 x 46
100101	STAR22-118-M-AT-1H	T16/G5		355 x 146 x 46
100101	EL28-BM-AUT			355 x 146 x 46
- special equipment				
100218	EL20RW	Box for wall mounting		
100217	EL20RB	Box for recessed mounting		
100219	DS20	Double side diffuser		
100216	EL20PSD	Panel and pictogram down		
100215	EL20PSLR	Panel and pictogram left/right		

- MAINS and AUT versions do not include set of pictograms



STAR IP65

IP 65



Application: maintained/non-maintained emergency lighting model with resistance against water jets is designed for lighting interior areas with requirements for resistance against dust and moisture, i.e. industrial spaces and halls, sport centers, hospitals, schools, offices and corridors.

Body: Plastic material **ABS** (acrylonitrile-butadiene-styrene)

Cover: Plastic material **PC** (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area or recessed mounting

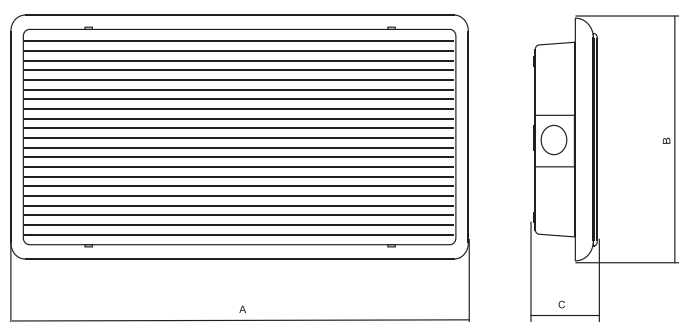
Connection: Screws four-pole terminal block

Standard equipment: compact fluorescent lamp 8 W/11 W/18 W/840, set of pictograms (excluded CB/AT)

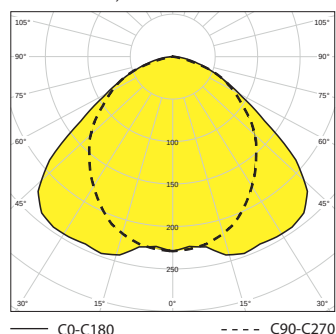
On request: **AT** – autotest

CB – central battery system

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



STAR IP65 1x8W, IP 65



				ArB/C (mm)
– luminaires for non-maintained emergency mode				
100110	STAR IP65-108-1,5H	T16/G5		365 x 170 x 51
100111	STAR IP65-108-3H			365 x 170 x 51
100112	STAR IP65-111-1,5H	TC-SEL/2G7		365 x 170 x 51
100113	STAR IP65-111-3H			365 x 170 x 51
100114	STAR IP65-118-1,5H	PL-L/2G11		365 x 170 x 51
– luminaires for maintained emergency mode				
100115	STAR IP65-108-M-1,5H	T16/G5		365 x 170 x 51
100116	STAR IP65-108-M-3H			365 x 170 x 51
100117	STAR IP65-111-M-1,5H	TC-SEL/2G7		365 x 170 x 51
100118	STAR IP65-111-M-3H			365 x 170 x 51
100119	STAR IP65-118-M-1,5H	PL-L/2G11		365 x 170 x 51
– luminaires for central battery system				
100120	STAR IP65-108-CB	T16/G5		365 x 170 x 51
100121	STAR IP65-111-CB	TC-SEL/2G7		365 x 170 x 51
100122	STAR IP65-118-CB	PL-L/2G11		365 x 170 x 51
– luminaires with autotest				
100123	STAR IP65-108-AT-1H	T16/G5		365 x 170 x 51
100124	STAR IP65-108-M-AT-1H	TC-SEL/2G7		365 x 170 x 51
100125	STAR IP65-108-AT-1H	PL-L/2G11		365 x 170 x 51
100126	STAR IP65 EL65AM-AUT-IT	T16/G5		365 x 170 x 51
– special equipment				
100221	DS65	Double side diffuser		
100222	EL65RBL	Box for recessed mounting		

- MAINS and AUT versions do not include set of pictograms.



SKOPOS

IP 40



Application: maintained/non-maintained emergency lighting model for interior areas.

Body: Plastic material **ABS** (acrylonitrile-butadiene-styrene)

Cover: Plastic material **PC** (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screws four-pole terminal block

Standard equipment: Lamp 8 W/840, pictograms

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

- luminaires for non-maintained emergency mode			
100180	SKOPOS-108-1H	T16/G5	350 x 160 x 45
- luminaires for maintained emergency mode			
100181	SKOPOS-108-M-1H	T16/G5	350 x 160 x 45
100182	SKOPOS-108-1H, podvěšení		350 x 160 x 45
- special equipment			
100255	Skopos, panel and pictogram left/right		
100256	Skopos, panel and pictogram down		

* Suspended pictogram could be installed just for code 100182

100256



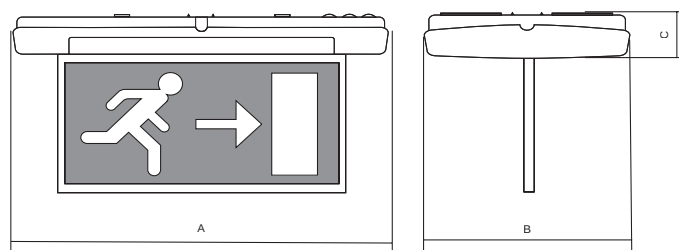
100255



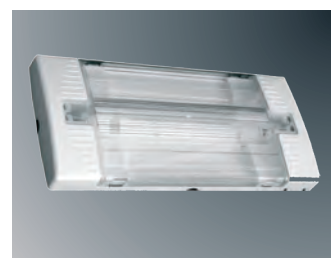
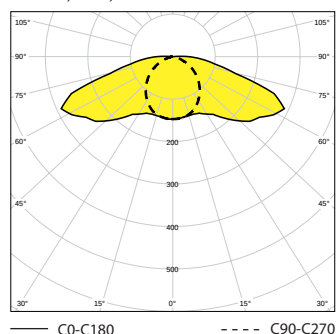
- technical parameters

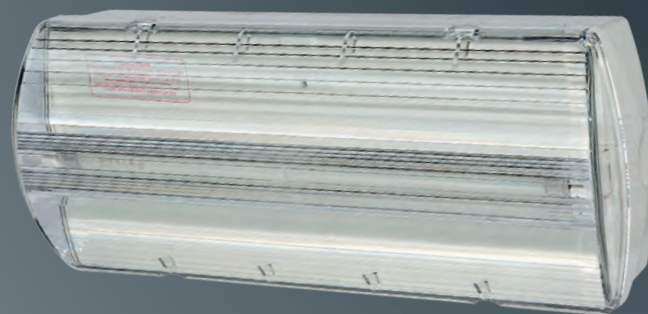
Description	Duration	Lamp / luminous flux	% emergency factor
BLK-1025-SKOPOS 1x8W, non-maintained, 1h	1,0 h	8W/500lm	45%
BLK-1425-SKOPOS 1x8W, maintained, 1h	1,0 h	8W/500lm	45%

Duration = nominal duration of the emergency operation



SKOPOS, 1x8W, IP 40





ATLANTIC

IP 65



Application: maintained/non-maintained emergency lighting model with resistance against water jets is designed for lighting interior and outdoor areas, i.e. industrial spaces and halls, sport centers, hospitals, schools, offices and corridors.

Body: Plastic material PC (polycarbonate), UV stable

Cover: Plastic material PC (polycarbonate), transparent colour

Fastening: Direct fastening on ceiling or wall lighted area

Connection: Screws four-pole terminal block

Standard equipment: compact fluorescent lamp DULUX S/E 9 W or DULUX S/E 11 W

Emergency lighting: maintained (ATM), non-maintained (ATN)

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)






- luminaires for non-maintained emergency mode

100132

ATLANTIC-108-3H

T16/G5

330 x 135 x 80

- luminaires for maintained emergency mode

100133

ATLANTIC-108-M-3H

T16/G5

330 x 135 x 80

- special equipment

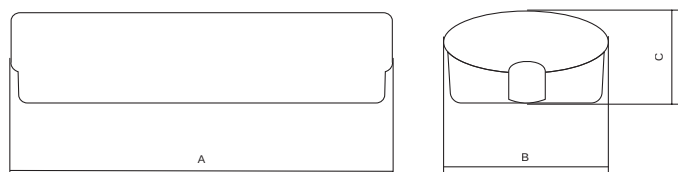
100267

Set of pictogram ATLANTIC

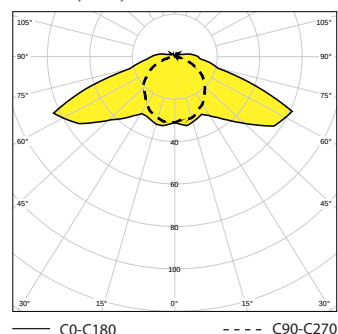
- technical parameters

Description	Duration	Lamp / luminous flux	% emergency factor
ATLANTIC 8W	3 h	8W/500lm	45%
ATLANTIC 8W	3 h	8W/500lm	45%

Duration = nominal duration of the emergency operation



ATLANTIC, 1x8W, IP65



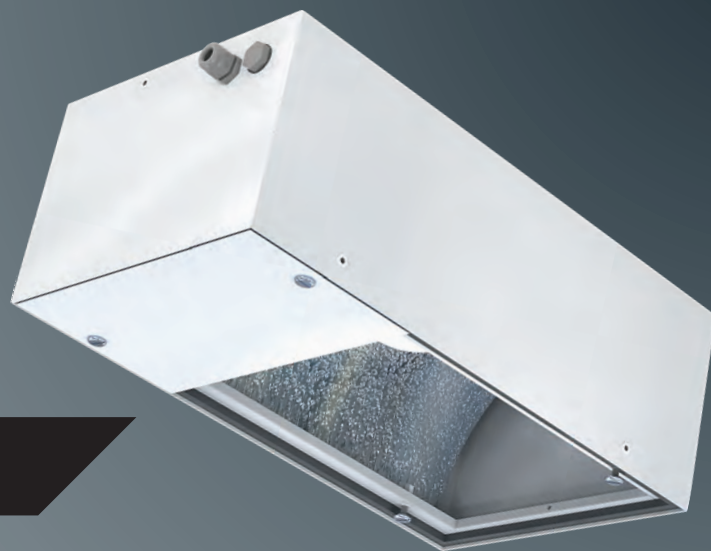


INDUSTRIAL DISCHARGE LIGHTING FIXTURES



SANTA

IP 65



Application: interior and outdoor areas, i.e. halls, warehouses, workshops, sports facilities, gas stations. To overcome the rise time of lamp it can be used light fixture with stand-in lamp.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: White painted metal sheet RAL9003

Cover: Hardened safety glass

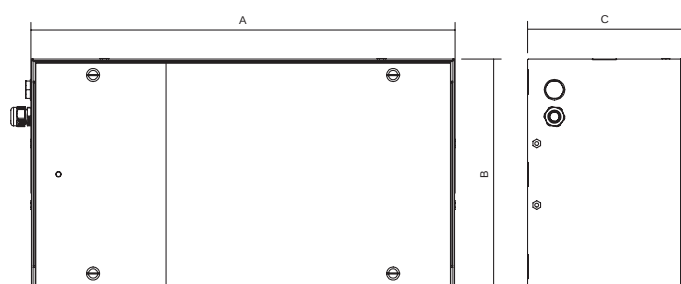
Reflector: Polished aluminium reflector

Fastening: Fastening on ceiling or wall lighted area with ceiling brackets or recessed mounting by means of recessed frame (necessary order ceiling brackets or recessed frame)

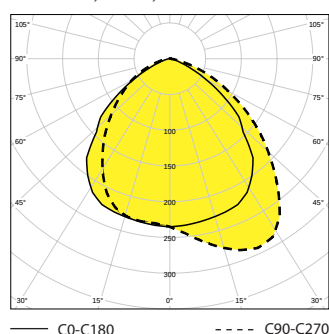
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

On request: RAL – another colour finishing

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



SANTA-400H, 1x400W, IP65



			Autoc (mm)
- inductive ballast			
053020	SANTA-50S, 1x50W	HSE, HST/E27	550 x 300 x 200
053021	SANTA-70S, 1x70W	HSE, HST/E27	550 x 300 x 200
053150	SANTA-70H, 1x70W	HIE, HIT/E27	550 x 300 x 200
053022	SANTA-100S, 1x100W	HSE, HST/E40	550 x 300 x 200
053151	SANTA-100H, 1x100W	HIE, HIT/E27	550 x 300 x 200
053023	SANTA-150S, 1x150W	HSE, HST/E40	550 x 300 x 200
053152	SANTA-150H, 1x150W	HIE, HIT/E27	550 x 300 x 200
053024	SANTA-250S, 1x250W	HSE, HST/E40	850 x 300 x 200
053153	SANTA-250H, 1x250W, 3,0A	HIE, HIT/E40	850 x 300 x 200
053155	SANTA-250H/150Z, 1x250W+max.150W	HIE, HIT/E40+E27	850 x 300 x 200
053178	SANTA-250H, 1x250W, 2,15A	HIE, HIT/E40	850 x 300 x 200
053025	SANTA-400S, 1 x 400W	HSE, HST/E40	850 x 300 x 200
053154	SANTA-400H, 1x400W, 4,2A	HIE, HIT/E40	850 x 300 x 200
053156	SANTA-400H/150Z, 1 x 400W+max.150W	HIE, HIT/E40+E27	850 x 300 x 200
053179	SANTA-400H, 1x400W, 3,5A	HIE, HIT/E40	850 x 300 x 200

S – high pressure sodium discharge lamp, H – metal halide lamp

- special equipment	
053015	Set of ceiling bracket (2 pcs)
053016	Recessed frame SANTA 50-150W
053017	Recessed frame SANTA 250-400W
001827 LAK	Protective cage SANTA 50-150W, ceiling mounting
001837 LAK	Protective cage SANTA 250-400W, ceiling mounting
001839 LAK	Protective cage SANTA 50-150W, recessed mounting
001840 LAK	Protective cage SANTA 250-400W, recessed mounting
008029	Cable gland PG 13,5 with nut, RAL7004

On customer's request SANTA-70H and SANTA-150H can be equipped with electronic ballast.

SANTA light fixtures with recessed frame must be installed on well dimensioned supporting construction of the ceiling.

Minimum high of the ceiling must be 12 mm.



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrttych.com



GOLIĄS-T40

IP 23, IP 54



Application: interior areas, i.e. halls, shopping centers, warehouses, workshops, sports facilities. To overcome the rise time of lamp it can be used light fixture with stand-in lamp.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Alluminium profiles with plastic sides from **ABS** (acrylonitrile-butadiene-styrene) at the ends, chemical resistance

Reflector: Parabolic aluminium reflector (to order)

Cover: Tempered safety glass (only IP54 finishing)

Fastening: Suspension by means of wire, chain or carrier rope

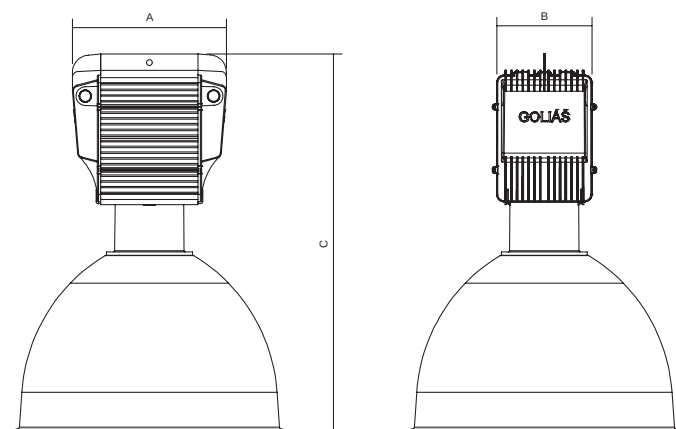
Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

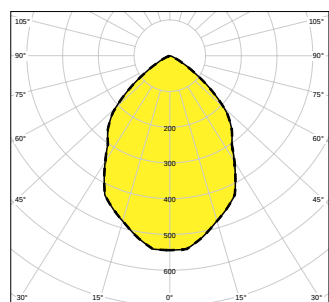
On request: **GESIS** – possibility to equip light fixtures with connectors

EP – electronic ballast

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



GOLIĄS-T40-250H, 1x250W, IP 54



— C0-C180 - - - - C90-C270

- inductive ballast IP 23			
053300	GOLIĄS-T40-50S, 1x50W	HSE/E27	256x166x665
053301	GOLIĄS-T40-70S, 1x70W	HSE/E27	256x166x665
053320	GOLIĄS-T40-70H, 1x70W	HIE/E27	256x166x665
053302	GOLIĄS-T40-100S, 1x100W	HSE/E40	256x166x665
053321	GOLIĄS-T40-100H, 1x100W	HIE/E27	256x166x665
053303	GOLIĄS-T40-150S, 1x150W	HSE/E40	256x166x665
053322	GOLIĄS-T40-150H, 1x150W	HIE/E27	256x166x665
053304	GOLIĄS-T40-250S, 1x250W	HSE/E40	256x166x665
053323	GOLIĄS-T40-250H, 1x250W 3,0A	HIE/E40	256x166x665
053325	GOLIĄS-T40-250H/150Z, 1x250W + max.150W	HIE/E40+E27	256x166x665
053391	GOLIĄS-T40-250H, 1x250W, 2,15A	HIE/E40	256x166x665
053305	GOLIĄS-T40-400S, 1x400W	HSE/E40	256x166x665
053324	GOLIĄS-T40-400H, 1x400W, 4,2A	HIE/E40	256x166x665
053326	GOLIĄS-T40-400H/150Z, 1x400W + max.150W	HIE/E40+E27	256x166x665
053390	GOLIĄS-T40-400H, 1x400W, 3,2 A	HIE/E40	256x166x665

- special equipment			
002473	GOLIĄS-T40 – parabolic aluminium reflector		
002474	Protective glass		

- inductive ballast IP 54			
053360	GOLIĄS-T40-50S, 1x50W	HSE/E27	256x166x665
053361	GOLIĄS-T40-70S, 1x70W	HSE/E27	256x166x665
053371	GOLIĄS-T40-70H, 1x70W	HIE/E27	256x166x665
053362	GOLIĄS-T40-100S, 1x100W	HSE/E40	256x166x665
053372	GOLIĄS-T40-100H, 1x100W	HIE/E27	256x166x665
053363	GOLIĄS-T40-150S, 1x150W	HSE/E40	256x166x665
053373	GOLIĄS-T40-150H, 1x150W	HIE/E27	256x166x665
053364	GOLIĄS-T40-250S, 1x250W	HSE/E40	256x166x665
053374	GOLIĄS-T40-250H, 1x250W, 3,0A	HIE/E40	256x166x665
053393	GOLIĄS-T40-250H, 1x250W, 2,15A	HIE/E40	256x166x665
053365	GOLIĄS-T40-400S, 1x400W	HIE/E40	256x166x665
053375	GOLIĄS-T40-400H, 1x400W, 4,2A	HME/E40	256x166x665
053392	GOLIĄS-T40-400H, 1x400W, 3,5A	HIE/E40	256x166x665
053377	GOLIĄS-T40-400H/150Z, 1x400W + max.150W	HIE/E40+E27	256x166x665

- special equipment			
002473	GOLIĄS-T40 – parabolic aluminium reflector		
002474	Protective glass		

S – high pressure sodium discharge lamp; H – metal halide lamp



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com



STREET LIGHTING





VESPER-LED

IP 65



Application: outdoor areas, main and side roads of the cities and villages, parking and industrial areas.

Ballast: EP – electronic 220-240 V/50-60 Hz AC

Body: Aluminium die cast housing

Optical part: Special glass lens

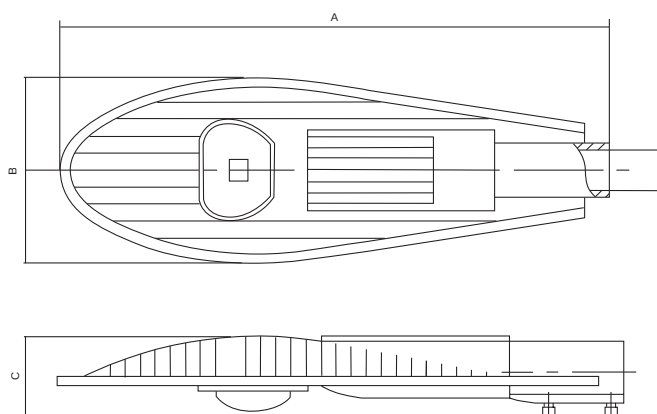
Fastening: Fastening on bracket column with diameter 50 mm (VESPER 50) or 60 mm (VESPER 85 and VESPER 100).

Lifetime: L80B10/50 000 h/35 °C

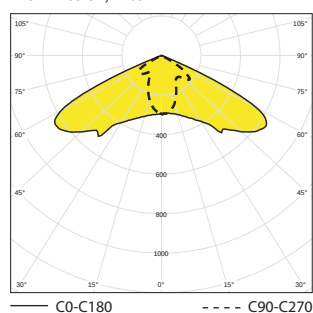
On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

		T ₀	(lm)*	(W)**	Ax/B/C (mm)
– electronic ballast					
051580	VESPER-50-3K	3 000	5516	43	500 x 215 x 85
051581	VESPER-50-4K	4 000	5697	43	500 x 215 x 85
051582	VESPER-50-5K	5 000	5783	43	500 x 215 x 85
051583	VESPER-85-3K	3 000	11082	90	600 x 260 x 90
051584	VESPER-85-4K	4 000	11446	90	600 x 260 x 90
051585	VESPER-85-5K	5 000	11618	90	600 x 260 x 90
051586	VESPER-100-3K	3 000	12002	88	700 x 280 x 120
051587	VESPER-100-4K	4 000	12396	88	700 x 280 x 120
051588	VESPER-100-5K	5 000	12582	88	700 x 280 x 120

(lm)* - luminous flux, (W)** - input power



VESPER-85-5K, IP 65





FLAT

IP 66



Application: outdoor areas, main and side roads of towns and villages, parking industrial areas, pedestrian zones and parks.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Painted aluminium casting

Cover: Hardened safety glass

Reflector: Very pure (99,8%) aluminium pressed piece

Fastening: Fastening on bracket and park column with diameters:
 Ø48-60 mm – inductive ballast 50-150 W
 Ø48-76 mm – inductive ballast 250-400 W

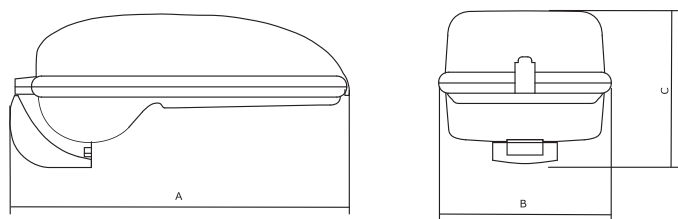
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: **NANO** – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)
ASYM – option with asymmetrical reflector

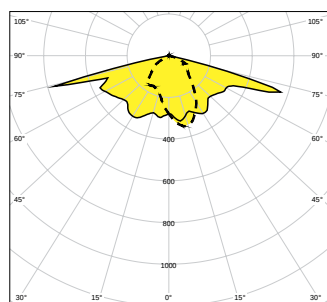
			AbxH (mm)
– inductive ballast			
053500	FLAT-50S, 1x50W	HST/E27	540 x 286 x 248
053501	FLAT-70S, 1x70W		540 x 286 x 248
053502	FLAT-100S, 1x100W	HST/E40	540 x 286 x 248
053503	FLAT-150S, 1x150W	HST/E40	540 x 286 x 248
053504	FLAT-150H, 1x150W	HIT/E27	540 x 286 x 248
053505	FLAT-250S, 1x250W	HST/E40	630 x 286 x 248
053506	FLAT-250H, 1x250W, 3,0A	HIT/E40	630 x 286 x 248
053507	FLAT-400S, 1x400W	HST/E40	630 x 286 x 248
053508	FLAT-250H, 1x250W, 2,15A		630 x 286 x 248
053509	FLAT-400H, 1x400W, 4,2A	HIT/E40	630 x 286 x 248
053510	FLAT-400H, 1x400W, 3,5A		630 x 286 x 248

S – high pressure sodium discharge lamp, H – metal halide lamp

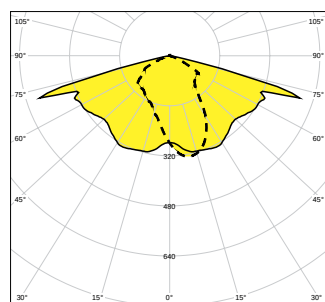
Only for HIT, HST lamp (tubular lamps)



FLAT-70S, 1x70W

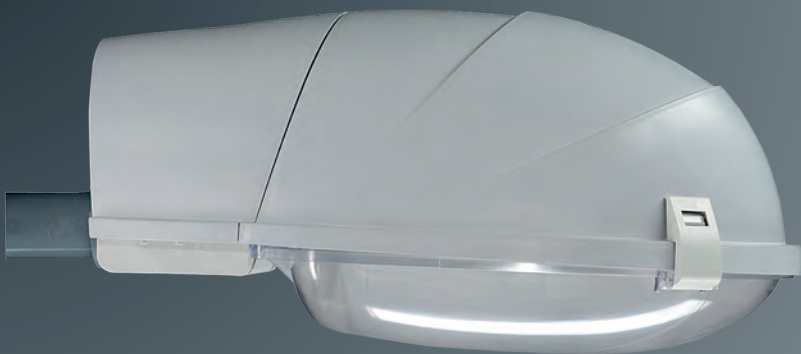


FLAT-400S, 1x400W



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com





HORNET

IP 43 / IP 65



Application: outdoor areas, main and side roads of the cities and villages, parking and industrial areas.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Combination of plastic materials **PC** (polycarbonate) and **PP** (polypropylene)

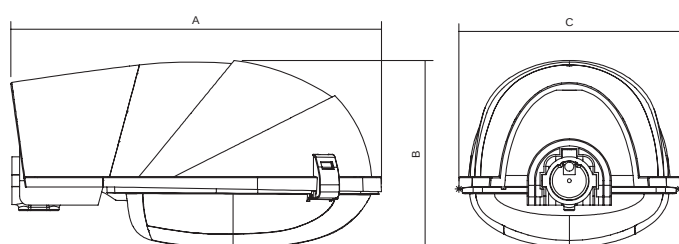
Cover: Plastic material **PC** (polycarbonate), optical, transparent colour

Reflector: Polished aluminium reflector

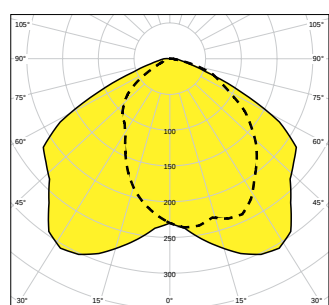
Fastening: Fastening on bracket and park columns with diameter 60 mm

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: **NANO** – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

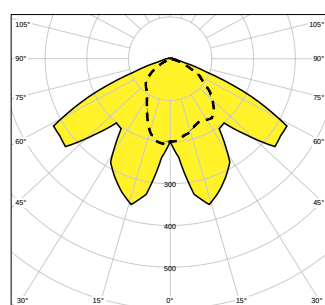


HORNET 150H-E



— C0-C180 - - - - C90-C270

HORNET 250S-T-3



— C0-C180 - - - - C90-C270

- inductive ballast				
054009	HORNET-70S, 1x70W, without fuse	HSE, HST/E27	610 x 310 x 370	
054010	HORNET-70H, 1x70W, without fuse	HIE, HIT/E27	610 x 310 x 370	
054029	HORNET-70S, 1x70W, build in fuse	HSE, HST/E27	610 x 310 x 370	
054030	HORNET-70H, 1x70W, build in fuse	HIE, HIT/E27	610 x 310 x 370	
054012	HORNET-70S - I, 1x70W, without ignitor	HSE, HST/E27	610 x 310 x 370	
054006	HORNET-100S, 1x100W, without fuse	HSE, HST/E40	610 x 310 x 370	
054007	HORNET-100H, 1x100W, without fuse	HIE, HIT/E27	610 x 310 x 370	
054026	HORNET-100S, 1x100W, build in fuse	HSE, HST/E40	610 x 310 x 370	
054027	HORNET-100H, 1x100W, build in fuse	HIE, HIT/E27	610 x 310 x 370	
054003	HORNET-150S, 1x150W, without fuse	HSE, HST/E40	610 x 310 x 370	
054004	HORNET-150H, 1x150W, without fuse	HIE, HIT/E27	610 x 310 x 370	
054023	HORNET-150S, 1x150W, build in fuse	HSE, HST/E40	610 x 310 x 370	
054024	HORNET-150H, 1x150W, build in fuse	HIE, HIT/E27	610 x 310 x 370	
054001	HORNET-250H, 1x250W, 3,0A, without fuse	HIE, HIT/E40	610 x 310 x 370	
054000	HORNET-250S, 1x250W, without fuse	HSE, HST/E40	610 x 310 x 370	
054015	HORNET-250H, 1x250W, 2,15 A, without fuse	HIE, HIT/E40	610 x 310 x 370	
054021	HORNET-250H, 1x250W, 3,0 A, build in fuse	HIE, HIT/E40	610 x 310 x 370	
054016	HORNET-250H, 1x250W, 2,15 A, build in fuse	HIE, HIT/E40	610 x 310 x 370	
054020	HORNET-250S, 1x250W, build in fuse	HSE, HST/E40	610 x 310 x 370	
- special equipment				
001803	Reduction Ø 60 / 50 mm			

S – high pressure sodium discharge lamp, **H** – metal halide lamp

On customer's request HORNET-70H and HORNET-150H can be equipped with electronic ballast. HORNET-70S-I type not equipped with igniter, necessary to use lamp with integrated igniter.

Advantages of light fixture

- range of luminaires in wattages from 70W to 250W
- same design as HORNET-P light fixture for lighting pedestrian crossings
- easy mounting on park or bracket column
- removable metal sheet with electrical components – advantage for fast and easy maintenance
- colour stability (UV stable material)
- plastic design of luminaires guarantees corrosion resistance
- on customer's request electrical equipment allowing the controll of lighting
- energy saving
- available reduction 60/50 mm náhradních komponentů
- full production of luminaires in our firm - short delivery terms, easy availability of spare parts



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com



HORNET-P

IP 43 / IP 65



Application: pedestrian crossings. The correct installation ensures the visibility of pedestrians at the crossings.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Combination of plastic materials **PC** (polycarbonate) and **PP** (polypropylene)

Cover: Plastic material **PC** (polycarbonate), optical, transparent colour

Reflector: Polished aluminium reflector

Fastening: Fastening on bracket and park columns with diameter 60 mm

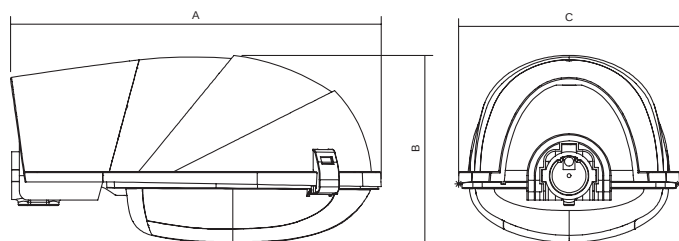
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: **NANO** – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

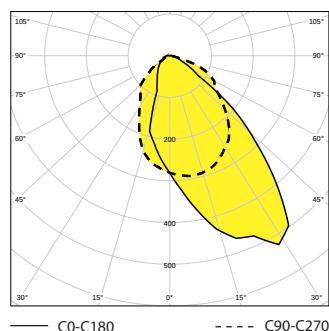
			
- inductive ballast			
054052	HORNET-P-150S, 1x150W, right-hand	HST/E40	620 x 310 x 370
054051	HORNET-P-250S, 1x250W, right-hand		620 x 310 x 370
054050	HORNET-P-250H, 1x250W, right-hand		620 x 310 x 370
054053	HORNET-P-150S, 1x150W, left-hand		620 x 310 x 370
054054	HORNET-P-250S, 1x250W, left-hand		620 x 310 x 370
054055	HORNET-P-250H, 1x250W, left-hand		620 x 310 x 370
- special equipment			
001803	Reduction Ø 60 / 50 mm		

S – high pressure sodium discharge lamp, H – metal halide lamp

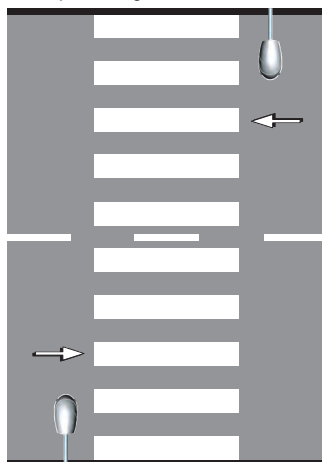
Only for HIT, HST lamp (tubular lamps)



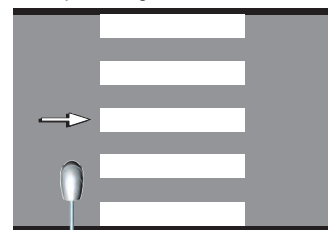
HORNET-P 1x150W



Two-way traffic – right-hand version



One-way traffic – right-hand version



Recommended installation:

- the height of the fixture above the road – 6 m
- the distance from the edge of the road – 0,5 to 1 m
- the distance in front of the pedestrian crossing – max. 1 m



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com



VV DINGO

IP 54



Application: outdoor areas, main and side roads of the cities and villages, parking and industrial areas.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

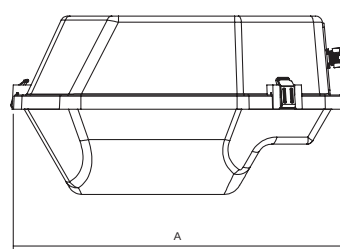
Body: Plastic material GPR (polystyrene filled with fiberglass), dark grey colour RAL7031, flammability degree V-0 according to UL 94 standard (absolutely nonflammable)

Cover: Plastic material PC (polycarbonate), optical, transparent colour

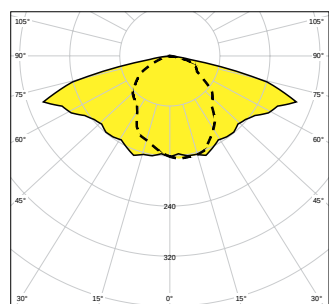
Fastening: Fastening by means of bracket grip (Ø75 mm, Ø60 mm), park pole grip (Ø60 mm), wall grip, corner grip.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

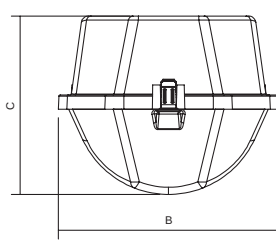
On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



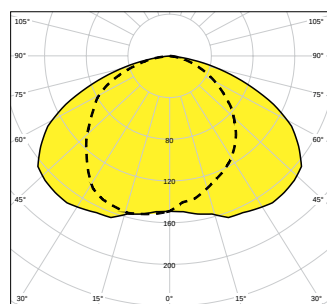
DINGO-70S, 1x70W



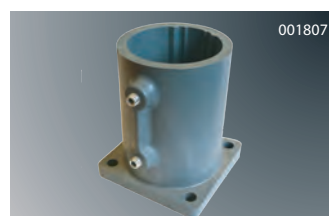
— C0-C180 - - - - C90-C270



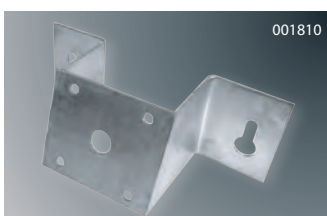
DINGO-150S, 1x150W



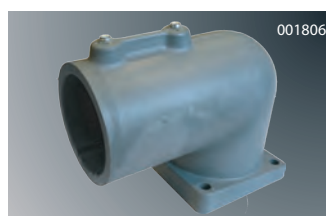
— C0-C180 - - - - C90-C270



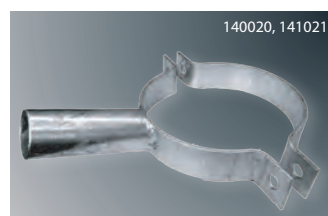
001807



001810



001806



140020, 141021

Icon	Icon	Icon	Icon
------	------	------	------

VV DINGO 50W			
051004	1VV-50S-PMMA, 1x50W, build in fuse	HSE, HST/E27	460 x 310 x 260
051012	1VV-50S-PC, 1x50W, build in fuse	HSE, HST/E27	460 x 310 x 260
051000	1VV-50S-PMMA, 1x50W, without fuse	HSE, HST/E27	460 x 310 x 260
051008	1VV-50S-PC, 1x50W, without fuse	HSE, HST/E27	460 x 310 x 260

VV DINGO 70W			
051005	1VV-70S-PMMA, 1x70W, build in fuse	HSE, HST/E27	460 x 310 x 260
051013	1VV-70S-PC, 1x70W, build in fuse	HSE, HST/E27	460 x 310 x 260
051001	1VV-70S-PMMA, 1x70W, without fuse	HSE, HST/E27	460 x 310 x 260
051009	1VV-70S-PC, 1x70W, without fuse	HSE, HST/E27	460 x 310 x 260
051073	1VV-70H-PMMA, 1x70W, build in fuse	HIE, HIT/E27	460 x 310 x 260
051079	1VV-70H-PC, 1x70W, build in fuse	HIE, HIT/E27	460 x 310 x 260
051070	1VV-70H-PMMA, 1x70W, without fuse	HIE, HIT/E27	460 x 310 x 260
051076	1VV-70H-PC, 1x70W, without fuse	HIE, HIT/E27	460 x 310 x 260

VV DINGO 100W			
051006	1VV-100S-PMMA, 1x100W, build in fuse	HSE, HST/E40	460 x 310 x 260
051014	1VV-100S-PC, 1x100W, build in fuse	HSE, HST/E40	460 x 310 x 260
051002	1VV-100S-PMMA, 1x100W, without fuse	HSE, HST/E40	460 x 310 x 260
051010	1VV-100S-PC, 1x100W, without fuse	HSE, HST/E40	460 x 310 x 260
051074	1VV-100H-PMMA, 1x100W, build in fuse	HIE, HIT/E27	460 x 310 x 260
051080	1VV-100H-PC, 1x100W, build in fuse	HIE, HIT/E27	460 x 310 x 260
051071	1VV-100H-PMMA, 1x100W, without fuse	HIE, HIT/E27	460 x 310 x 260
051077	1VV-100H-PC, 1x100W, without fuse	HIE, HIT/E27	460 x 310 x 260

VV DINGO 150W			
051007	1VV-150S-PMMA, 1x150W, build in fuse	HSE, HST/E40	460 x 310 x 260
051016	1VV-150S-PC, 1x150W, build in fuse	HSE, HST/E40	460 x 310 x 260
051003	1VV-150S-PMMA, 1x150W, without fuse	HSE, HST/E40	460 x 310 x 260
051011	1VV-150S-PC, 1x150W, without fuse	HSE, HST/E40	460 x 310 x 260
051075	1VV-150H-PMMA, 1x150W, build in fuse	HIE, HIT/E27	460 x 310 x 260
051081	1VV-150H-PC, 1x150W, build in fuse	HIE, HIT/E27	460 x 310 x 260
051072	1VV-150H-PMMA, 1x150W, without fuse	HIE, HIT/E27	460 x 310 x 260
051078	1VV-150H-PC, 1x150W, without fuse	HIE, HIT/E27	460 x 310 x 260

S – high pressure sodium discharge lamp, H – metal halide lamp

– special equipment

001807	Bracket grip Ø 60 mm
051022	Bracket grip Ø 75 mm
001806	Pole grip Ø 60 mm
001810	Wall grip
001809	Corner grip
141020	Fastening on concrete pole, Ø 220 mm, L=150 mm
141021	Fastening on concrete pole, Ø 250 mm, L=500 mm
001803	Reduction Ø 60 / 50 mm

BETY

IP 44



Application: outdoor areas, pedestrian zones, the roads, parking areas, gardens, squares.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Flange: Plastic material PC (polycarbonate), dark grey colour RAL7031

Diffuser: Plastic material PC (polycarbonate), tread pattern on the inner side

Cover: Plastic material PC (polycarbonate), dark grey colour RAL7031

Fastening: Fastening by means of grip for park pole column with diameter 60 mm

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

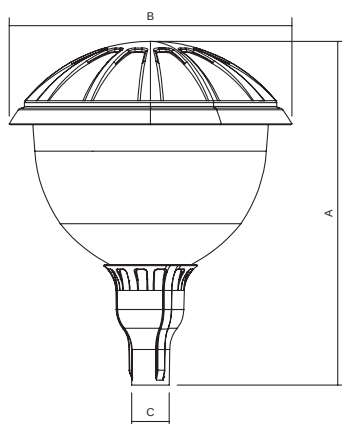


- inductive ballast			
053400	BETY-50S, 1x50W	HSE, HST/E27	660 x 540 x 60
053401	BETY-70S, 1x70W	HSE, HST/E27	660 x 540 x 60
053404	BETY-70H, 1x70W	HIE, HIT/E27	660 x 540 x 60
053402	BETY-100S, 1x100W	HSE, HST/E40	660 x 540 x 60
053405	BETY-100H, 1x100W	HIE, HIT/E27	660 x 540 x 60
053403	BETY-150S, 1x150W	HSE, HST/E40	660 x 540 x 60
053406	BETY-150H, 1x150W	HIE, HIT/E27	660 x 540 x 60
- special equipment			
001803	Reduction Ø 60 / 50 mm		

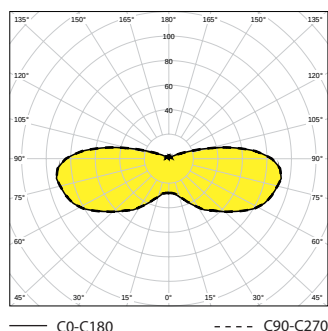
S – high pressure sodium discharge lamp, H – metal halide lamp

Advantages of the fixture

- easy installation
- original modern design
- usage of PC material tested by 10 years operation
- removing gear tray
- colouring stability (UV stabil material)
- resistance against of corrosion
- reduction 60/50 mm



BETY170S, 1x70W



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com





AKITA

IP 65



Application: outdoor areas, main and side roads of the cities and villages, parking and industrial areas, pedestrian zones and parks.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Plastic material GPR (polystyr filled with fibreglass), grey colour

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL9003

Fastening: Fastening by means of grip for park pole (-S) or bracket (-V) column

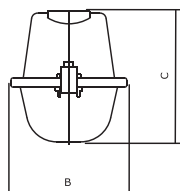
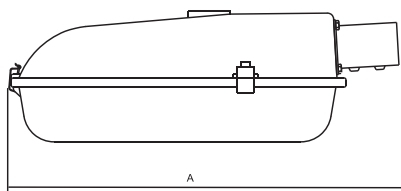
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

				AviC (mm)
- inductive ballast				
054101	AKITA-136-V, 1x36W	TC-L/2G11		640 x 190 x 215
054102	AKITA-236-V, 2x36W			640 x 190 x 215
054104	AKITA-136-S, 1x36W			640 x 190 x 215
054105	AKITA-236-S, 2x36W			640 x 190 x 215

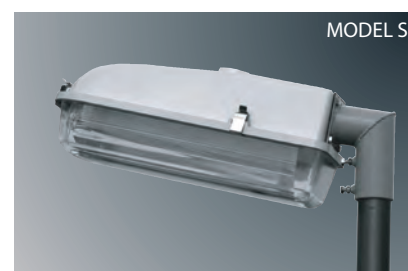
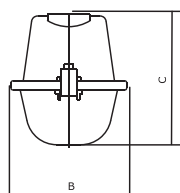
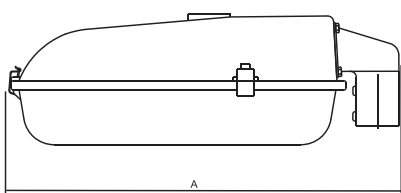
				AviC (mm)
- electronic ballast				
054100	AKITA-136-V-EP, 1x36W	TC-L/2G11		640 x 190 x 215
054103	AKITA-136-S-EP, 1x36W			640 x 190 x 215

MODEL V



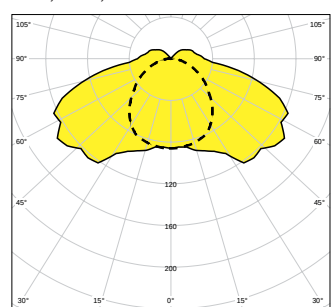
MODEL V

MODEL S



MODEL S

AKITA, 2x36W, IP65



— C0-C180 - - - - C90-C270





FLOODLIGHTS





K-2, K-3

IP 65



Application: interior or exterior areas, i.e. advertising boards, sport grounds, parking areas, stores, outdoor work areas.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Alluminium casting

Cover: Tempered safety glass

Reflector: Aluminium hammer plate, anodized surface

Fastening: Fastening on the base by means of positioning bracket grips

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland

On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

			Artic (mm)
K-2			
054502	K-2-150H-SYM, 1x150W, E40		350 x 524 x 146
054503	K-2-150H-ASYM, 1x150W, E40		350 x 524 x 146
054504	K-2-150S-SYM, 1x150W, E40		350 x 524 x 146
054504	K-2-150S-ASYM, 1x150W, E40		350 x 524 x 146
054508	K-2-250S-SYM, 1x250W	HST/E40	350 x 524 x 146
054509	K-2-250S-ASYM, 1x250W		350 x 524 x 146
054510	K-2-250H-SYM, 1x250W, 3,0A		350 x 524 x 146
054511	K-2-250H-ASYM, 1x250W, 3,0A		350 x 524 x 146
054521	K-2-250H-SYM, 1x250W, 2,15A		350 x 524 x 146
054520	K-2-250H-ASYM, 1x250W, 2,15A		350 x 524 x 146

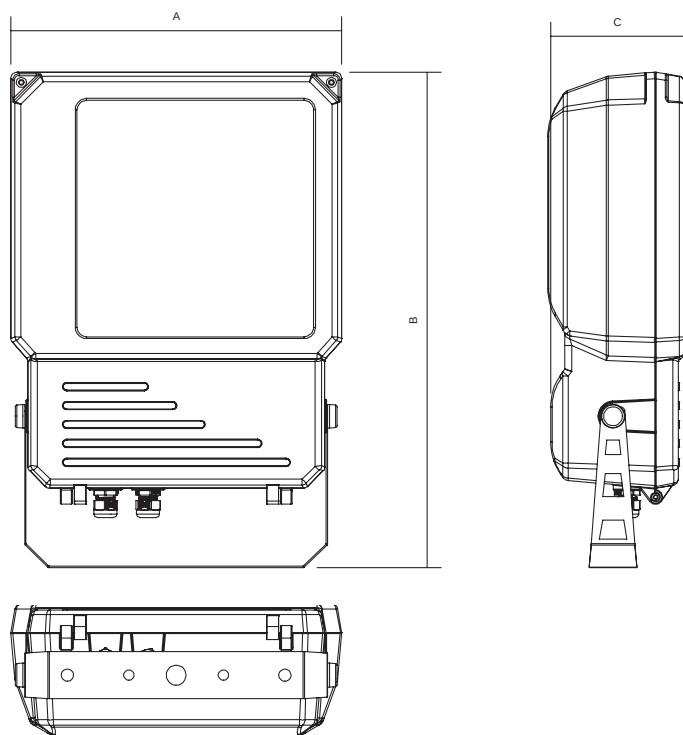
K-3			
054512	K-3-400S-SYM, 1x400W		452 x 660 x 180
054513	K-3-400S-ASYM, 1x400W		452 x 660 x 180
054514	K-3-400H-SYM, 1x400W, 4,2A	HST/E40	452 x 660 x 180
054515	K-3-400H-ASYM, 1x400W, 4,2A		452 x 660 x 180
054523	K-3-400H-SYM, 1x400W, 3,5A		452 x 660 x 180
054522	K-3-400H-ASYM, 1x400W, 3,5A		452 x 660 x 180

S – high pressure sodium discharge lamp, H – metal halide lamp

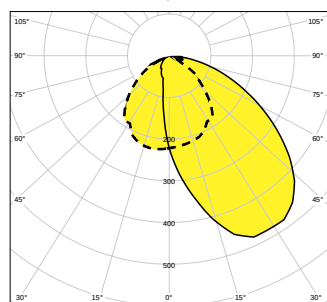
THE LIGHT FIXTURES WITH E40 LAMPHOLDER CAN BE USED WITH TUBULAR LAMPS



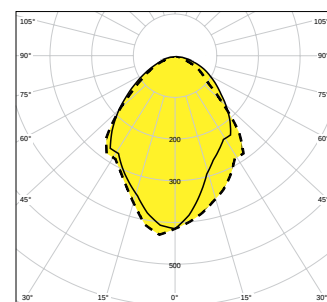
Instruction for selection appropriate lamp to individual type of light fi tting available on www.vyrtych.com



K-2-250H, 1x250W – assymetric reflector



K-3-400H-S, 1x400W



— C0-C180 - - - - C90-C270

— C0-C180 - - - - C90-C270

XANTI

IP 66



Application: interior or exterior areas, i.e. advertising boards, sport grounds, parking areas, stores, outdoor working areas.

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Alluminium casting, ballast part from GRP (polystyr filled with fibreglass)

Cover: Tempered safety glass, polyester filled with fibreglass

Reflector: Highly polished aluminium sheet

Fastening: Fastening on the base by means of positioning bracket grips

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

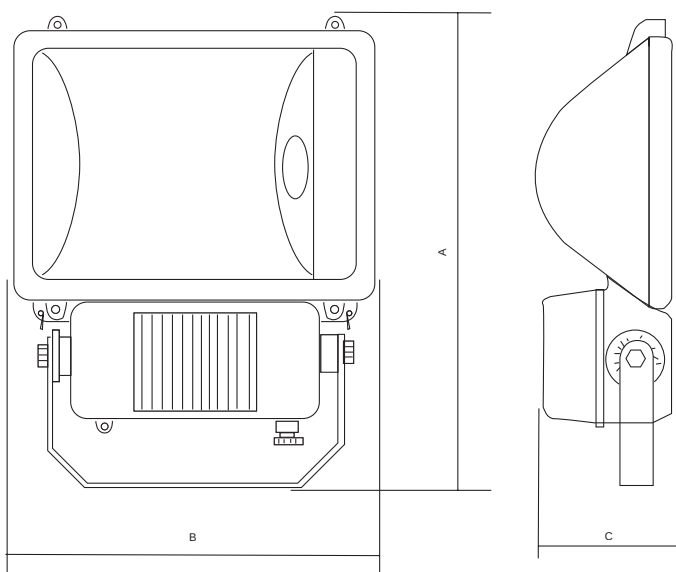
On request: NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)



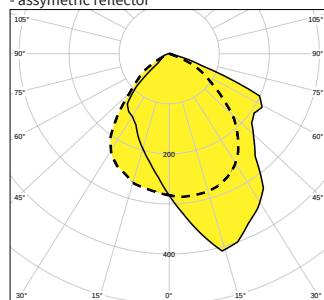
			AvbC (mm)
- inductive ballast			
054560	XANTI-150H-ASYM, 1x150W	HIT/E40	505 x 400 x 155
054561	XANTI-150H-SYM, 1x150W	HIT/E40	505 x 400 x 155
054562	XANTI-150S-ASYM, 1x150W	HST/E40	505 x 400 x 155
054563	XANTI-150S-SYM, 1x150W	HST/E40	505 x 400 x 155
054564	XANTI-250H-ASYM, 1x250W, 3,0A	HIT/E40	505 x 400 x 155
054565	XANTI-250H-SYM, 1x250W, 3,0A	HIT/E40	505 x 400 x 155
054572	XANTI-250H-SYM, 1x250W, 2,15A	HIT/E40	505 x 400 x 155
054574	XANTI-250H-ASYM, 1x250W, 2,15A	HIT/E40	505 x 400 x 155
054566	XANTI-250S-ASYM, 1x250W	HST/E40	505 x 400 x 155
054567	XANTI-250S-SYM, 1x250W	HST/E40	505 x 400 x 155
054568	XANTI-400H-ASYM, 1x400W, 4,2A	HIT/E40	505 x 400 x 155
054569	XANTI-400H-SYM, 1x400W, 4,2A	HIT/E40	505 x 400 x 155
054573	XANTI-400H-SYM, 1x400W, 3,5A	HIT/E40	505 x 400 x 155
054575	XANTI-400H-ASYM, 1x400W, 3,0A	HIT/E40	505 x 400 x 155
054570	XANTI-400S-ASYM, 1x400W	HST/E40	505 x 400 x 155
054571	XANTI-400S-SYM, 1x400W	HST/E40	505 x 400 x 155

S – high pressure sodium discharge lamp, H – metal halide lamp

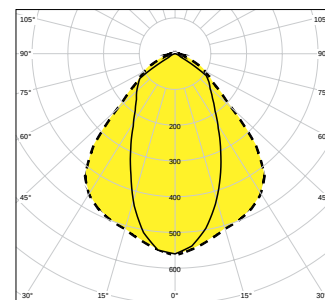
THE LIGHT FIXTURES WITH E40 LAMPHOLDER CAN BE USED WITH TUBULAR LAMPS



XANTI-400H, 1x400W, IP66
- asymmetric reflector



XANTI-400H, 1x400W, IP66



Instruction for selection appropriate lamp to individual type of light fitting available on www.vyrtych.com

EXPLANATORY NOTES

Mark	Explanation
	The CE mark is a basic document for the compliance review within EU. The CE mark placed on the product symbolizes the fact that the person, who is responsible for this attached mark, checked that the product is compliant with all the provisions of the European Union.
	Code for protection level provided with covers of electric appliances against the exterior mechanical impact (IK code)
	The mark of fulfilment given prescripts for EMC.
	Luminaires for use with high-pressure sodium discharge lamps having external ignition equipment.
	Luminaires for use with high-pressure sodium discharge lamps having inner ignition equipment
	Insulation class II.
	The mark for luminaires used in premises with a danger of explosion.
	Supply voltage and frequency
	Rated highest ambient temperature.
	Electromagnetic ballast
	Electronic ballast
	Dimable electronic ballast
	Luminaires for lighting of communications with possibility of regulation
	Rough service luminaire
	Three-phase or one-phase through wiring connection
	Emergency lighting fixture
	Luminaires with silikonfree parts
	Protective cage
	Used plastic parts are UV stable
	The possibility to be equipped with GESIS connectors
	The Certificate of Conformity of the Custom Union (TR TS Certification)
	Other colour scale
	Luminaires with limited surface temperature
	treated by NANO technology
	Luminaire comply with photobiological safety norms ČSN EN 62471:2009. Suitable for persons with high sensitivity on UV radiation and blue spectrum part.
	LED technology

Marking of plastic parts:

Mark	Explanation
PC	Polycarbonate
PS	Polystyrene
ABS	Akrylonitril-butadien-styren
SAN	Styrén-akrylonitril

Mark	Explanation
PP	Polypropylene
HPS	Hard polystyrene
PC+G30	Polycarbonate + 30% glass fibres
PBT	Polybutylentereftalate

BASIC TECHNICAL INFORMATION ABOUT AREA WITH DANGER OF EXPLOSION

Application for electrical devices in hazardous areas is very wide and specific. Please find hereunder some basic information about this matter as followed:

Classification of areas with danger of explosion

- BE3N1 danger of inflammable dusts explosion
- BE3N2 danger of inflammable gases and vapours explosion
- BE3N3 danger of fire and explosives explosion

Devices of Group I

a) Category M 1 includes devices constructed and if it is necessary equipped with additional special protective facilities in order to be able to operate according to operation parameters defined by producer and ensured very high level of protection. Devices of this category will be applicable for underground parts of mines endangered with methane or inflammable dust.

b) Category M 2 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured very high level of protection. Devices of this category will be applicable for underground parts of mines with supposed danger by methane or inflammable dust and in such parts of surface maines, where is supposed danger of methane or inflammable dust.

Devices of Group II

a) Category 1 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured very high level of protection. Devices of this category will be applicable in areas, where explosive atmosphere is created by mixture of air with gases, vapours or airdust mixture permanently presented, for a long time or oftenly.

b) Category 2 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured very high level of protection. Devices of this category will be applicable in areas, where is supposed occasional occurence of explosive atmosphere created by mixture of air and dusts, vapours or airdust mixture. Protective facilities for devices of this category ensuring enough level of protection and in case of often disturbances or often devics failure, where is necessaty to operate with.

c) Category 3 includes devices constructed to be able to operate according to operation parameters defined by producer and ensured regular level of protection. Devices of this category will be applicable in areas, where occurence of explosive atmosphere created by mixture of air and dusts, vapours or airdust mixture is not supposed and if explosive atmosphere is occured it will be presented rarely only and for a short time period only.

Area with danger of inflammable dusts explosion.

Application of electrical devices and electrical installation is according to ČSN EN 60079-10-2.

Zone 20: An area in which an explosive dust atmosphere is continuously present or for periods or frequently

Zone 21: An area in which an explosive dust atmosphere is likely to occur in normal operation occasionally

Zone 22: An area in which an explosive dust atmosphere is not likely to occur in normal operation and if it occurs it will exist only for a short time

The range of electric devices:

- a) dust layer < 5 mm: $T_{\max} < T_{5\text{mm}} - 75 \text{ K}$
 b) dust layer from 5 to 50 mm: specified according to ČSN EN 60 079-17:2008
 c) dust: $T_{\max} < 2/3 T_{\text{cl}}$

where

- $T_{\max}$ – max allowed surface temperature of equipment
 $T_{5\text{mm}}$ – 5 mm dust layer ignition temperature
 T_{cl} – dust ignition temperature

Area with danger of inflammable gases and vapours

Application of electrical devices and electrical installation is according to ČSN EN 60079-10-1.

Zone 0: An area in which an explosive gas atmosphere is continuously present or for periods or frequently

Zone 1: An area in which an explosive gas atmosphere is likely to occur in normal operation occasionally

Zone 2: An area in which an explosive gas atmosphere is not likely to occur in normal operation and if it occurs it will exist only for a short time

Area with danger of fire and explosives explosion

Application of electrical devices and electrical installation is according to ČSN EN 33 2340:1980.

V1: Quite as exception, it can occur the direct initiation of explosive by electric current, the explosive does not dust and does not vapour

V2: As exception, it can occur the contact between explosive and electric device, the explosive dusts, it vapours but rarely.

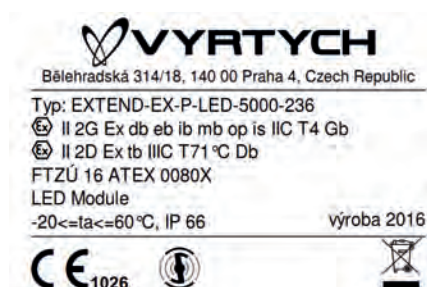
V3: Permanent contact between explosive and electric device, explosive dusts, it vapours any time

ČSN EN 60079-0		NV No 116/2016 (2014/34/EU)		ČSN EN 60079-10-X
EPL	Group	Group of devices	Category of devices	Zones
Ma	I	I	M1	NA
Mb			M2	
Ga			1G	
Gb	II	II	2G	1
Gc			3G	2
Da			1D	20
Db	III		2D	21
Dc			3D	22

TEMPERATURE CLASSIFICATION AND MAX. SURFACE TEMPERATURE OF DEVICE

Temperature classification	T6	T5	T4	T3	T2	T1
Maximum surface temperature of device (°C)	85	100	135	200	300	450

Explanation of individual symbols used for marking of the lighting fixtures suitable for area with danger of explosion:

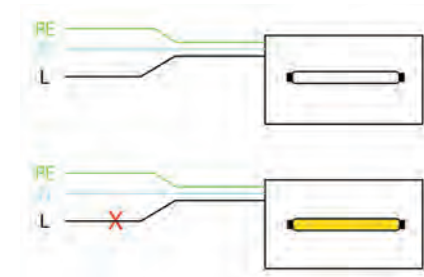


CE 1026	European marking of conformity with registering code of notified body issued the certificate
EMC	EMC marking
	marking about ecological elimination
Ex	Marking of protection against explosion
II	group of device II
2	category of device 2
G	devices for area with danger of gas and vapours explosion (Gas)
Ex	marking means, that the device is equipped with one or more types of protection against of explosion
db, eb, ib, mb, op is	type of used protection for explosive gas atmosphere
IIC	marking of gas subgroups
T4	temperature class
D	devices for area with danger of dust explosion (Dust)
tb	type of used protection for explosive atmosphere with dust
IIC	marking of dust subgroups
T71°C	Max surface temperature of devices
Gb, Db	alternative methodes of risk valuation (EPL)
FTZÚ	notify body issued the certificate (Fyzikálně technický zkušební ústav s.p.)
16	year of issue
ATEX	tests are provided according to ATmosphere EXplosives, ATEX Directives
0080X	numer of cetificate
LED module	type of source
-20<=ta<=60°C	ambient temperatures
IP66	degree of protection
výroba 2016	year of production

EMERGENCY LIGHTING TYPES

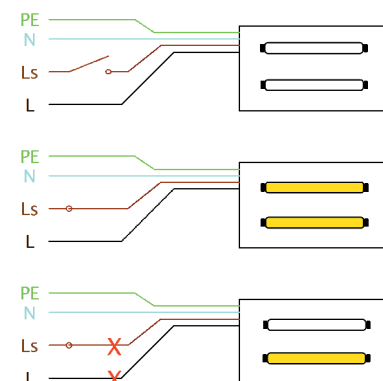
Em – non-maintained emergency lighting (1h,3h)

The lamp is operate just for emergency lighting according to used battery for 1 h or 3h



MULTI – maintained emergency lighting (1h,3h)

One of the lamps operate for standard lighting and emergency lighting according to used battery for 1h or 3h. The lamp for emergency lighting is operate together with other lamps in standard operation.



* In case of luminaires with more lamps is lighting just one for emergency.

** The request for CBS (Central Battery System) must be specified in order.

REGULATION OF LIGHTING

Electronic ballasts enable to control lighting in a range of 1-100%. It is necessary to use the dimmable electronic ballast. The fixtures with this type of ballast are marked with affix - DIM in our assortment. We use TRIDONIC electronic ballasts. In case of another requirement, it is possible to install the ballasts from any world producers with other method of dimming (e.g. analogue 1-10V).

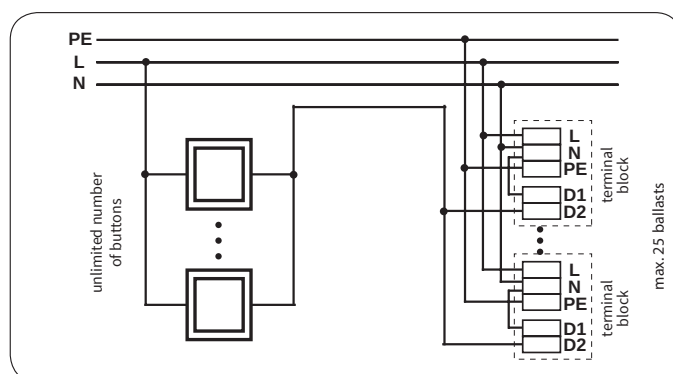
Control for digital electronic ballasts:

1) dimming with buttons (switchDIM)

The dimming of lighting systems with standard button (e.g. ABB Tango, Element, Time, ...). Such connected lighting system (to 25 electronic ballasts) can be controlled with unlimited number of buttons parallelly connected. The short press switches on or switch off the system, the press for a longer time controls the intensity of illumination.

Connection: At the connection, it is necessary to interconnect N and D1 poles of the terminal block.

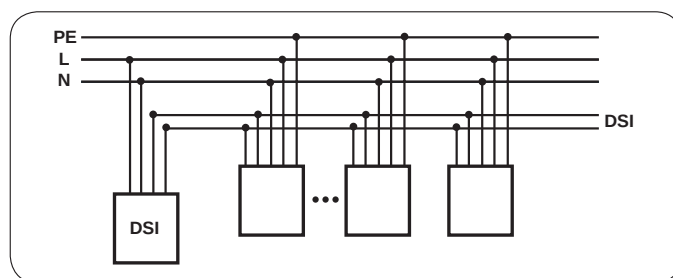
Attention: If you use dimmable electronic ballast ECO, the fixtures switch on by them self after power failure.



2) dimming with DSI signal (smartDIM, modularDIM)

The fixtures controlled with DSI signal can be regulated with buttons, remote controller, motion sensor. It also enables to control the dimming according to daylight, to program various scenes (smartDIM, modularDIM systems).

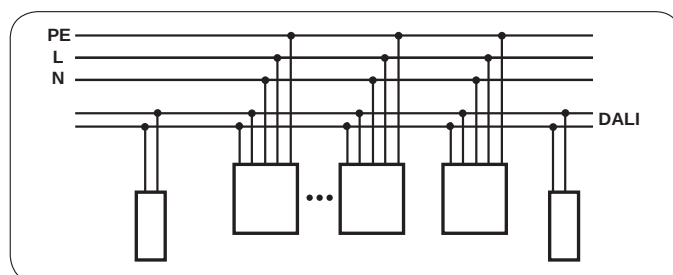
Connection: The conductors with DSI signal are connected to D1 and D2 poles of the terminal block. It does not depend on the polarity.



3) dimming with DALI signal (comfortDIM)

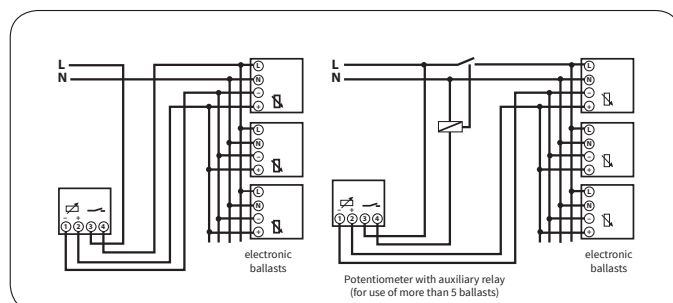
The fixtures controlled with DALI signal enable the same functions as DSI signal, fixtures and all control elements can be connected with double-wire conductor and the setup of the lighting groups is done after the installation. The control and state checking is also possible with computer. The change of setup into lighting group is very simple. It enables to modify the lighting system any way.

Connection: The conductors with DALI signal are connected to D1 and D2 poles of the terminal block. It does not depend on the polarity.



The luminaires are controlled by auxiliary voltage 1-10 V. It is fully analogue technology for output control system, where there are followed mostly advantages of usage like simplicity, clarity, variability and low demands for installation. This version is useful especially for smaller applications with demands of dimming by means of turning driver and both there are no high demands for advanced control logical functions (stages, visualization, cooperation with PC, wireless control etc.).

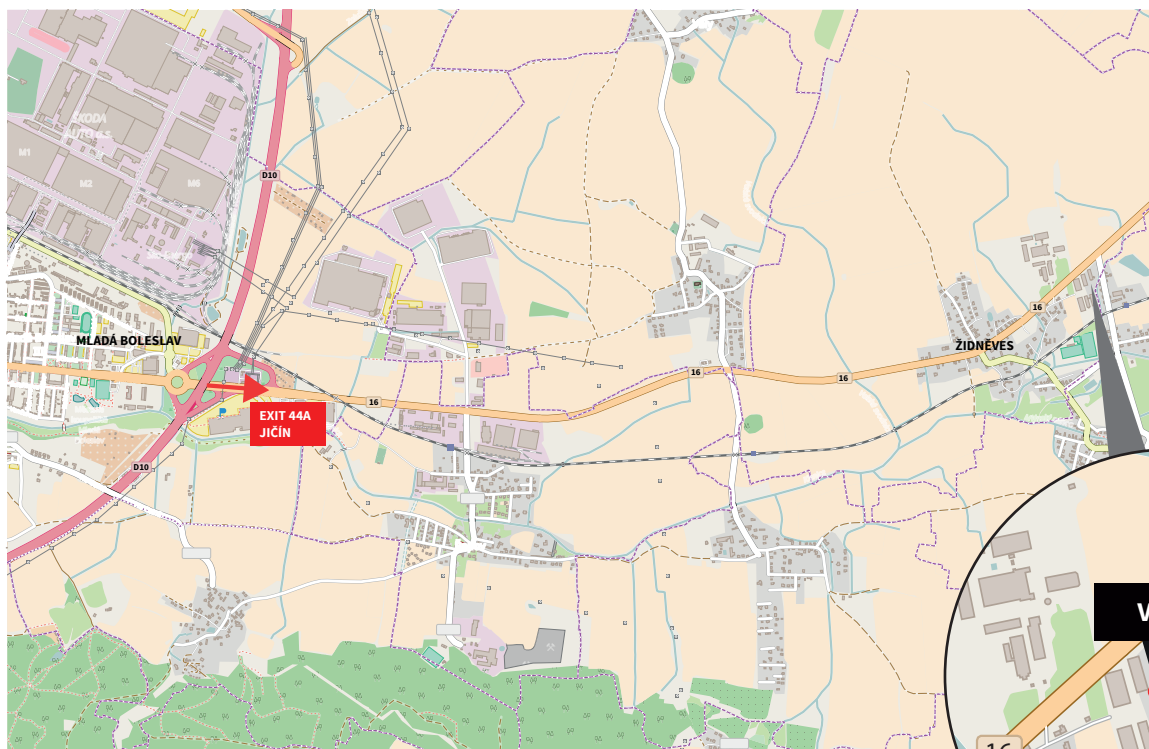
Connection : electronic ballast for 1-10 V control function except of own power voltage also connected with two-wire control line (polarity +/- must be observed), where is provided communication between luminaire(ballast) and control element.



Chemical resistance of the lighting housings made from thermoplastics

Environment with chemical agents	concentration	polycarbonate/PC			acrylic/AC (PMMA)			polystyrene/PS H			ABS (Forsan)		
		yes	Relatively	not	yes	Relatively	not	yes	Relatively	not	yes	Relatively	not
Acetone (Ketone)				x			x			x			x
Aniline (organical base)			x				x			x			x
Ammonia	5%			x	x				x		x		
Benzene and benzol				x			x			x			x
Deithylether (ether)				x		x				x			x
Pottasium nitride-nitrate		x			x								
Ethanol (alcohol)	50%	x				x			x			x	
Ethylacelar(ester)				x			x			x			x
Ethylalcohol		x				x		x			x		
Phenol				x			x			x			x
Glycerin			x		x								
Heptane					x			x					x
Ammonium hydroxide/	25%				x				x			x	
Sodium hydroxide-Ive	60%			x			x	x			x		
Sodium chloride – salt solution	15%	x			x			x			x		
Chloride sulfurous and calcic		x			x								
Chloride carbonic and nitrite				x	x					x			x
Chlorideferrous			x			x							
Acid arsenic and oily		x					x	x			x		
Citric acid	20%	x			x			x			x		
Nitric acid	20%		x			x			x			x	
Nitric acid													
Hydrochloric acid	5%	x			x			x			x		
Hydrochloric acid	35%			x			x			x			x
Acid chromium	40%		x			x			x			x	
Formic acid	30%			x		x							
Acetatic acid	10%	x			x			x				x	
Methoxide	30%	x			x			x				x	
Methanol				x			x			x			x
Diesel-fuel mixtures			x			x				x	x		
Mineral oil			x		x				x		x		
Vegetable oil			x		x			x			x		
Rape oil – biodiesel			x		x			x				x	
Kerosine			x			x		x				x	
Hydrogen peroxide	30%						x			x		x	
Ammonium vitriol, sodium sulfate etc.	15%	x			x			x			x		
Toluene (non-polar hydrocarbons)				x			x			x			x
Turpentine									x				x
Trichlorethylene				x			x			x			x
Bicarbonate	20%	x			x			x			x		
Aliphatic hydrocarbons		x			x							x	
Aromatic and halide hydrocarbons				x			x			x			x
Alcalines				x	x			x			x		

Location of company



GPS:

50.4151008N

15.0027314E

The firm is situated next to the main road No. 16, between Mlada Boleslav and Jicin near village Zidneves approximately 5 km from Mlada Boleslav.

Contact and company

Vyrtych a.s.

Židněves 116

294 06 Březno

Czech Republic



Sales department

+420 326 399 178

sale@vyrtych.cz

+420 326 399 602

+420 326 399 267

+420 326 399 601

+420 326 375 515

Purchase department

vyvody@vyrtych.cz

Chief accountant

+420 326 399 603

logistic@vyrtych.cz

Production of the luminaires

+420 326 397 612

economist@vyrtych.cz

Technical support

+420 326 375 577

production@vyrtych.cz

Development department

+420 326 399 691

podpora@vyrtych.cz

Quality department

+420 326 375 531

vyvoj@vyrtych.cz

Metal processing plant, paintshop, plastic division

+420 326 397 693

quality@vyrtych.cz

Testing laboratory of lightings

+420 326 397 695

plastics@vyrtych.cz

Zkušební laboratoř svítidel

+420 326 375 526

laboratory@vyrtych.cz

Contacts to our sales representatives can be found on our web pages: www.vyrtych.com

ALPHABETICAL INDEX

3V36a	89	DUNKER65	101
AKITA.....	187	DUNKER65-AS	102
AQUA-40	97	DUNKER65-LED.....	100
AQUA-40-LED.....	96	DUNKER65-LED-L.....	99
AQUA-70	94	EUROPA.....	77
AQUA-70-II.....	95	EUROPA-II	78
AQUA-70-LED.....	93	EUROPA-LED	76
AQUA-Ex	149	EUROPA-PLUS.....	118
AQUA-N.....	159	EXCALIBUR-Ex	148
ATLANTIC	176	EXTEND-Ex-P	144
BALOT-AR, BALOT2/3-AR.....	38	EXTEND-Ex-P-LED.....	143
BALOT-BAP, BALOT2/3-BAP	39	EXTEND-Ex-T.....	145
BALOT-LED	37	EXTRA.....	80
BALOT-PAR.....	41	EXTRA-Ex-LED.....	142
BALOT-PX, BALOT2/3-PX	40	EXTRA-II	81
BALOT-SPORT	71	EXTRA-LED	79
BALOT-SPORT-LED	70	EXTRA-N-LED	151
BANDOG	48	EXTRA-N-P	153
BANDOG-LED	46	EXTRA-N-S.....	152
BANDOG-SQUARE	47	EXTRA-PLUS.....	119
BANDOG-SQUARE-LED.....	45	EXTREME	92
BARBET/3	43	EXTREME-PLUS/MÍNUS.....	122
BARBET/3-PX	44	FALCON-AR, FALCON-D/I-AR.....	25
BARBET-LED	42	FALCON-AS, FALCON-P(Z)-AS.....	28
BASET-I, MULTIBASET-I.....	171	FALCON-BAP, FALCON-D/I-BAP	26
BASET-N, MULTIBASET-N	158	FALCON-PX, FALCON-D/I-PX	27
BETY	186	FALCON-SPORT.....	69
BÍGL-S, BÍGL-D	33	FALCON-SPORT-LED	68
BOXER.....	135	FARGO.....	91
BOXER-LED	134	FILA-I	114
BOXER-T5-II.....	137	FILA-N	162
BRIARD.....	29	FLAT.....	182
CLUMBER	139	FORK	73
CLUMBER-LED	138	FORK-LED.....	72
CORGI-LED	51	FOX	20
CORGI-T5.....	52	FOX-LED.....	19
CORSO	32	GALGO.....	128
CORSO-LED.....	31	GOLIÁŠ-T40.....	179
DIOS	166	GOLIÁŠ-T60.....	125
DOGA.....	116	GORDON.....	74
DUNKER20	103	GRIFON-AS.....	17
DUNKER20-AS.....	104	GRIFON, GRIFON-D/I	16

GRIFON-LED.....	15	POINTER-II	88
GRIFON-PX, GRIFON-D/I-PX.....	18	POINTER-LED	86
HOOVER3	64	POINTER-N-I	157
HOOVER4	54	PULI.....	30
HOOVER4-LED.....	53	RAMBO.....	133
HOOVER5, HOOVER6	65	RAMBO-Ex	150
HOOVER, HOOVER2	63	RAMBO-LED	132
HOOVER-LED	59	RAMBO-N.....	160
HORNET	183	RIDGE20.....	112
HORNET-P	184	RIDGE43.....	113
HOUND3.....	61	SALUKA.....	109
HOUND4.....	57	SALUKA-LED	108
HOUND4-LED-MAG.....	55	SALUKA-LED-FROST.....	120
HOUND4-MAG	56	SALUKA-N.....	154
HOUND5, HOUND6	62	SALUKA-T60/FROST	121
HOUND, HOUND2.....	60	SANTA	178
HOUND-MAG/2/3-LED	58	SETR-Exd	141
HUSKY-LED.....	98	SIRIOS	169
K-2, K-3.....	189	SKOPOS.....	175
K-2-N, K-3-N	163	STAFORD	131
K-3-T60.....	126	STAFORD-LED.....	129
KELPIE, KELPIE D/I	24	STAFORD-LED-II	130
KOKR, MULTIKOKR	172	STAR 22.....	173
LARO20	107	STAR IP65	174
LARO20-LED	106	VELOS.....	167
LARO43-LED	105	VERTIGO20.....	49
LEDUS, CRONUS.....	170	VERTIGO65.....	66
MASTIF.....	115	VESPER-LED.....	181
MASTIF-T70.....	123	VIPET-I.....	83
MAWERICK	14	VIPET-II.....	85
MAWERICK2	36	VIPET-LED.....	82
MAWERICK2-LED	35	VIPET-N-Em.....	156
MAWERICK3-LED	34	VIPET-N-I.....	155
MAWERICK-LED.....	13	V-SOKOL	90
PALAS-LED	165	V-T60	124
PITBUL-Ex-LED	146	VV DINGO.....	185
PITBUL-Ex, PITBUL-Ex-Em	147	XANTI.....	190
PITBUL-I.....	111	YORK-AS	22
PITBUL-LED.....	110	YORK-PX, YORK-D/I-PX.....	23
PITBUL-N.....	161	YORK, YORK D/I	21
PLANETE 60D, NEXILITE	168		
POINTER-I	87		

COMMENT



EUROPEAN UNION
European Regional Development Fund
Operational Programme Enterprise and Innovations for Competitiveness



VYRTYCH a.s.
Židněves 116
294 06 Březno
Czech Republic