LIGHT

ELSPRO®

QUALITY BY ELSPRO GERMANY



CONSULTING · PLANNING · PRODUCTION · SERVICE









INNOVATION · QUALITY · SERVICE

Our basics

Your Partner in the Industry

Since 1986 ELSPRO Elektrotechnik GmbH & Co. KG has been synonymous with high quality and outstanding service in the electricity and lighting sectors. We supply industrial and service clients with an extensive range of innovative electrotechnical safety products.

Tailor-made Solutions

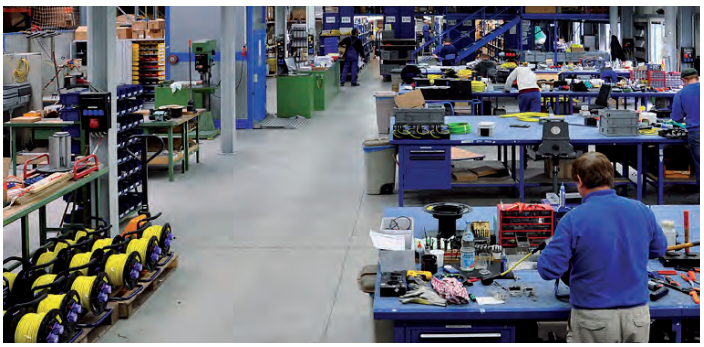
Our specialists implement all customer requirements, if technically feasible. Flexibility and maturity in production processes, which are demand-synchronized, allow us to deliver even tailor-made solutions quickly.

Technology without Compromise

We implement the product requirements of our customers in compliance with the latest technical regulations. Our benchmark is state-of-the-art technology.

Made in Germany

At our headquarter in Hilden, we use the advantages of the neighbouring state capital Düsseldorf in terms of service and logistics. From here we can reach the entire European market quickly and cost-efficiently.



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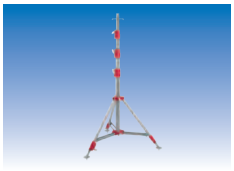
Your contact for processing offers and orders in the Hilden headquarter:

Customer Care Office

☎ +49 2103 9710-45
✉ sales@elspro.de

Partner to these industries

- Energy generation
- Public utilities · Power plants
- Traffic organisations
- Emergency and rescue services
- Construction companies · Assembly
- Metal working
- Paper manufacturing and wood processing
- Chemical industry
- Food industry
- Automotive industry
- Water treatment
- Shipyards · Plant engineering

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21 Handheld Lamps 

22 Rechargeable and Battery Powered Lamps 

23 ATEX-Approved Lights 

24 ATEX-Approved Mobile/Stationary Lights 

Industrial Tripods









ELSPRO Industrial Tripods and Special Mounting Supports

Symbol	Explanation	Symbol	Explanation
	height when folded		diameter of the maximum standing area
	maximum height when erected		maximum load capacity of the tripod
	minimum height when erected		weight of the tripod alone

CLT Locking Mechanism		Shock Absorber	
	uniform all-around clamping of the tripod post		pneumatic design for air-cushioned lowering

ELSPRO INDUSTRIESTATIV Typ THW

FEATURES AND QUALITIES:

- stainless steel construction
- pole diameters of 50/45/40/35 mm, thickness 1.5 mm
- 3 blocking systems of aluminum with all-around clamping, captive grips and with integrated QUAD rings to prevent water penetrating the blocking systems
- support tube of square profile tubing with a special folding mechanism
- stabilizing leg adjustable with push slider, captive grip
- shock absorber: pneumatic design for air-cushioned lowering
- connection end with ø 30 mm DIN pins as per DIN 14640
- supporting legs with ø 80 mm base plates and pins
- fastening set, anchoring set and double cross-bars optional



THW ARTICLE NUMBER: 6230T22410

AUSFÜHRUNGEN:

Type	Frame*							Order No.
THW	SS	145 cm	480 cm	145 cm	160 cm	20,0 kg	18,0 kg	**TW7840SA**

*Material: **SS** = Stainless steel



When folded the tripod has a length of 145 cm and is held together by the lashing strap delivered with the tripod.



The triangular fastening plate for attaching the caribiner hooks of the guy ropes is attached directly under the DIN pin.



For secure positioning, possible unevenness can be leveled out with the help of the leveling elements.

– other models on request / subject to modification and errors –

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COMPONENTS AND ACCESSORIES Order No.



THW – article number: 6230T22397

ELSPRO – FASTENING SET **TW-AS750X3**

consisting of each 3 x:

- 7.5 m polyamide – fastening rope Ø 4 mm as per DIN EN ISO 1140, color: white
- 1 carabiner as per DIN 5299–C80
- 1 ring, high-gloss galvanized, A 40 x 5, as per DIN 5296
- 1 rope thimble as per DIN 6899
- 2 wire rope clamps, oval
- 1 adjustment element, galvanized, for adjusting the rope length



THW – article number: 6230T22398

ELSPRO - Ground Anchoring Set **TW-EA400**

3 x ground anchors:

- 400 mm long, hot-dip galvanized



Cross bar including basic mounting support and DIN pins

ELSPRO - Double Cross Bars

Double cross bars consisting of:

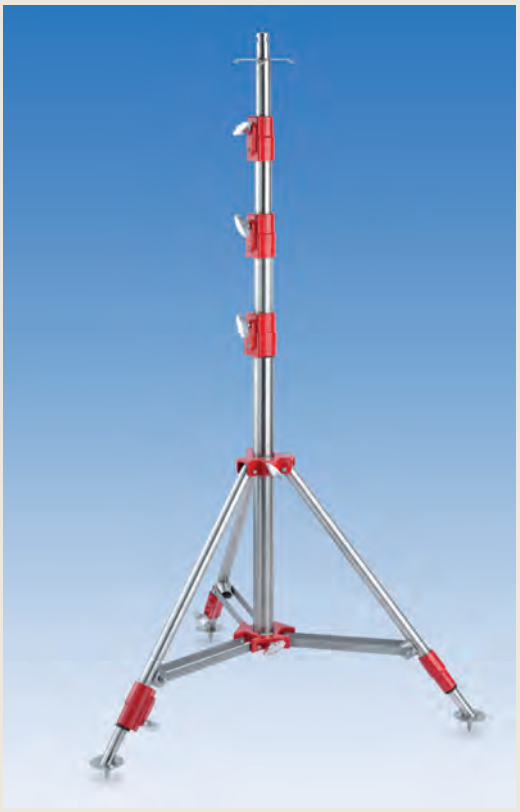
- basic mounting bracket/support including star grip for attaching to the tripod
- 2 x stainless steel DIN pins ø 30 mm
- 1 x stainless steel C-profile rail

- Length 450 mm	**TV045**
- Length 600 mm	**TV060**

ELSPRO TRIPOD FIRE DEPARTMENT Type IFW 2.0

FEATURES AND QUALITIES:

- is according to DIN 14682 („Tall tripod - Collapsible with fixed pivot pin“) and thus maintains the room dimensions of max. 20 cm when stored
- stainless steel construction aisi 304 - no corrosion
- downpipes Ø 50/45/40/35 mm, thickness 1.5 mm for stability and longevity
- 3 blocking systems of aluminum with clamping
- supporting legs can be individually extended up to a maximum of 0.58 m - clamping of supporting legs with blocking system of red aluminium - safe standing by compensating for unevenness on the standing surface
- shock absorber: pneumatic design for air-cushioned lowering - controlled lowering of the tripod load
- equipped with hand protection gap on telescopic parts
- connection end with ø 30 mm DIN pins as per DIN 14640
- supporting legs with ø 80 mm base plates and pins
- fastening set, anchoring set and double cross-bars optional



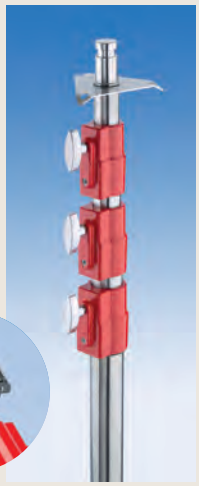
MODELS:

Type	Frame*							Order-No.
IFW 2.0	SS	114 cm	415 cm	114 cm	160 cm	20.0 kg	15.4 kg	TV7845SA

*Material: **SS** = Stainless steel



When folded the tripod has a length of 114 cm and is held together by the lashing strap delivered with the tripod.



The triangular fastening plate for attaching the caribiner hooks of the guy ropes is attached directly under the DIN pin.



For secure positioning all 3 supporting legs can be leveled individually on the standing surface and any unevenness can be compensated.

– other models on request / subject to modification and errors –

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ELSPRO TRIPOD FIRE DEPARTMENT Type IFW 2.0

COMPONENTS AND ACCESSORIES

Order-No.



Fastening Set **AS750X3**

consisting of each 3 x:

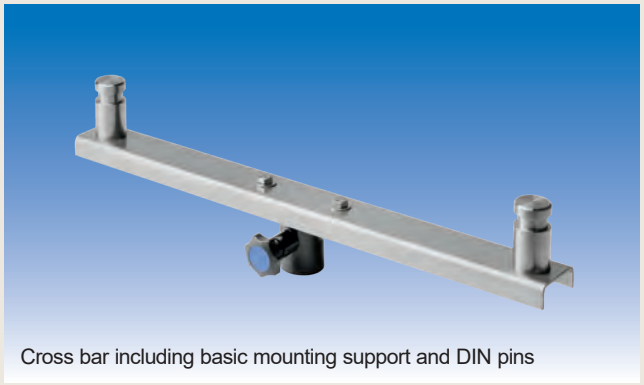
- 7.5 m polyamide – fastening rope Ø 4 mm as per DIN EN ISO 1140, color: white
- 1 carabiner as per DIN 5299–C80
- 1 ring, high-gloss galvanized, A 40 x 5, as per DIN 5296
- 1 rope thimble as per DIN 6899
- 2 wire rope clamps, oval
- 1 adjustment element, galvanized, for adjusting the rope length



Ground Anchoring Set **EA400**

3 x ground anchors:

- 400 mm long, hot-dip galvanized



Cross bar including basic mounting support and DIN pins

Double Cross Bars

bestehend aus:

- basic mounting bracket/support including star grip for attaching to the tripod
- 2 x stainless steel DIN pins ø 30 mm
- 1 x stainless steel C-profile rail
  - Length 450 mm **TV045**
  - Length 600 mm **TV060**

– other models on request / subject to modification and errors –

ELSPRO Industrial Tripods BETA Series

more than a tripod

FEATURES AND QUALITIES:

- models in black-anodized aluminum
- tube diameters: 50/45/40 mm
- standing tube of square profile tubing with folding mechanism
- protected leveling leg made of V2A stainless steel
- shock absorber: pneumatic design for air-cushioned lowering
- equipped with hand protection gap on telescopic parts
- anchoring mechanism optional
- Connection end with Ø 30 mm DIN pin or, alternatively, extendable Ø 16 mm DIN pin
- including aluminum foot set with groove profile





MODELS:

Type	Frame*						Kg.	Order No.
BETA 1	AL	176 cm	412 cm	150 cm	176 cm	30.0 kg	9.4 kg	TV7507SA
BETA 2	AL	140 cm	332 cm	123 cm	128 cm	30.0 kg	7.3 kg	TV7517SA
BETA 3	AL	114 cm	252 cm	96 cm	114 cm	30.0 kg	7.0 kg	TV7527SA

*Material: **AL** = Aluminium

COMPONENTS and ACCESSORIES:

Order No.



Wheel set with double brake
and adapter in black aluminium

for ELSPRO industrial tripod BETA 1 - 3 **TV7577**



Leveling leg for stable positioning on uneven ground



Ø 30 mm DIN pin (plug-in type) or alternatively integrated, extendable Ø 16 mm DIN pin



Fastening Set consisting of:

- triangular fastening plate V2A
- 3x fastening rope
- 3x ground anchors

Order-No.

ABSPANNSET.UNI

– other models on request / subject to modification and errors –

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ELSPRO Industrial Tripod DELTA Series



DELTA 9

robust in use and modern in design

FEATURES AND QUALITIES:

- models in black anodized aluminum
- tube diameters: 35/30/25 mm
- 2 blocking systems with surface clamping
- supporting legs with folding mechanism
- shock absorber: pneumatic design for air-cushioned lowering
- pinch protection thanks to integrated rubber rings on the extendable segments
- connecting end with Ø 30 mm DIN pins

MODELS:

Type	Frame*					**	Kg.	Order No.
DELTA 8	AL	90 cm	220 cm	90 cm	100 cm	15 / 20 kg	2.8 kg	**TV7722SA**
DELTA 9	AL	102 cm	270 cm	102 cm	110 cm	13 / 17 kg	3.3 kg	**TV7727SA**
DELTA 4	AL	105 cm	360 cm	125 cm	110 cm	10 / 13 kg	3.6 kg	**TV7731**

* Material: **AL** = aluminum, black

** The maximum permissible load capacity decreases depending on the height used: max. load capacity at max./min. extended tripod.

FEATURES and QUALITIES: Order No.

Wheel set (ø 80 mm) with double brake and black aluminum adapter

for ELSPRO industrial tripod DELTA 8 **TV7728**
for ELSPRO industrial tripod DELTA 9 **TV7729**

Example for use:
industrial tripod DELTA with tilt joint TV001/5 and panel light type QV LED Battery 60



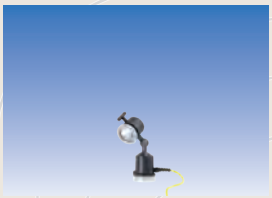
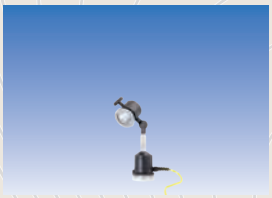
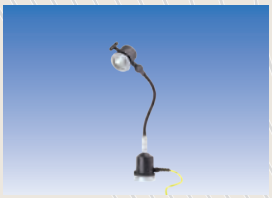


DELTA 8 with wheel set TV7728

- other models on request / subject to modification and errors -

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LED Workplace and Machine Lamps





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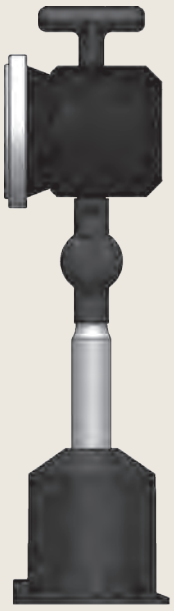
ALED Z1



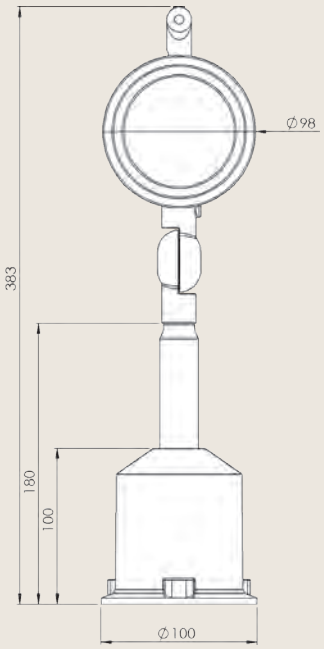
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SPECIAL FEATURES:

• Dimmable output levels	→ 0 lm up to 2,900 lm total luminous flux
• Standard colour temperature 5,000 Kelvin, optional 2,700 Kelvin	→ Daylight white or warm white
• Reflectors with different beam angles: 12° / 28° / 66°	→ Light beam focused according to requirements, the reflector can be changed without tools if required
• Clear or satinised front glass made of hardened glass	→ Focused or diffused light, can be changed also without tools
• Portable versions with spiral kink protection and special cable INDUSTRIEFLEX® 07 HT	→ Robust cable routing with premium cable, for high mechanical loads
• Protection class IP 65	→ Dustproof and water-jet-proof
• Protection class 2 (230 V) or protection class 3 (safety extra low voltage)	→ Personnel protection at the highest level
• Turn-tilt joint made of diecast aluminium on the lamp head	→ High-precision direction of the light, right where it is needed
• Handle on lamp head for directing the light	→ Simple handling
• Replaceable high-power LED Nichia COB	→ Future-proof replacement possible
• Large cooling ribs	→ Optimum heat dissipation
• Various models I / II / III / IV / V	→ The right version for every application
• Portable and stationary variants	
• Connection housing made of glassfibre-reinforced polyamide PA6	→ Robust, impact-resistant design
• Portable versions fitted with permanent magnets	→ Extra strong attachment force
• On-off pushbutton including dimming function on lamp head	→ Handy with good haptics
• R_a = 83	→ High colour rendering index
• Dimming function	→ High flexibility in light intensity



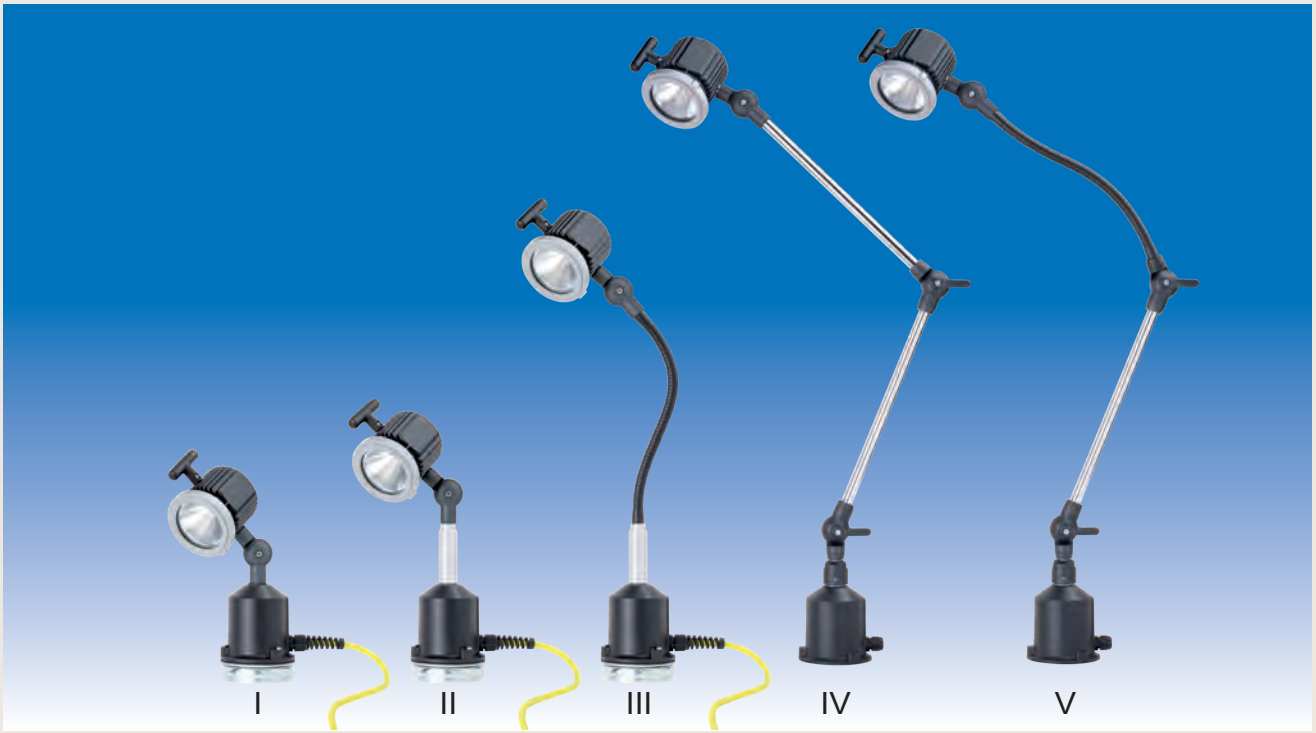
Model II



– Other versions on request / subject to changes, E&OE –

ALED Z1

LED Workplace Lamp - dimmable



STANDARD MODELS:

- Output max.: 18 Watt
- Colour temperature: 5,000 Kelvin
- Reflector: 28°
- Front glass: Clear glass

DIMMING FUNCTION:

Tap on-off pushbutton	Switch On/Off
Keep pushbutton pressed (when switched on)	Dimming 20 %, every 2 seconds dimming another 20 %, until switched off

Alternative properties can be found on the next page ➞

Construction	Model	Supply cable with plug	Cable gland	Metal hose, length, mm	Tube 1, mm	Tube 2, mm	Order No. 24 V AC*	Order No. 42 V AC*	Order No. 230 V AC*
Portable with magnet	I	3 m	-	-	-	-	**7ZD1802031**	**7ZD1803031**	**7ZD1804031**
	II	3 m	-	-	-	-	**7ZD1806031**	**7ZD1807031**	**7ZD1808031**
Stationary for screwing on	I	-	M16	-	-	-	**7ZD1802000**	**7ZD1803000**	**7ZD1804000**
	II	-	M16	-	-	-	**7ZD1806000**	**7ZD1807000**	**7ZD1808000**
Portable with magnet	III	3 m	-	300	-	-	**7ZD1814031**	**7ZD1815031**	**7ZD1816031**
		3 m	-	400	-	-	**7ZD1818031**	**7ZD1819031**	**7ZD1820031**
Stationary for screwing on		-	M16	300	-	-	**7ZD1814000**	**7ZD1815000**	**7ZD1816000**
		-	M16	400	-	-	**7ZD1818000**	**7ZD1819000**	**7ZD1820000**
Connection housing with swivel joint and 2 tilting joints between housing and pipe as well as between both pipes	IV	-	M16	-	300	300	**7ZD1850330**	**7ZD1851330**	**7ZD1852330**
		-	M16	-	400	400	**7ZD1850440**	**7ZD1851440**	**7ZD1852440**
Connection housing with swivel joint and 2 tilting joints between housing and pipe as well as pipe and metal hose	V		M16	300	300	-	**7ZD1854330**	**7ZD1855330**	**7ZD1856330**
			M16	400	400	-	**7ZD1854440**	**7ZD1855440**	**7ZD1856440**

* 24 V DC and 42 V DC on request

– Other versions on request / subject to changes, E&OE –

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Ask for your alternative design:

MODEL:

I		II		III		IV	V
Portable with magnet	Stationary for screwing on	Portable with magnet	Stationary for screwing on	Portable with magnet	Stationary for screwing on	Connection housing with all joint and single-handed tilting joint	
						Between the two tubes	Between tube and metal hose
Supply cable with plug	Cable gland M16	Supply cable with plug	Cable gland M16	Supply cable with plug	Cable gland M16	Cable gland M16	Cable gland M16

POWER SUPPLY:

24 V AC	42 V AC	230 V AC

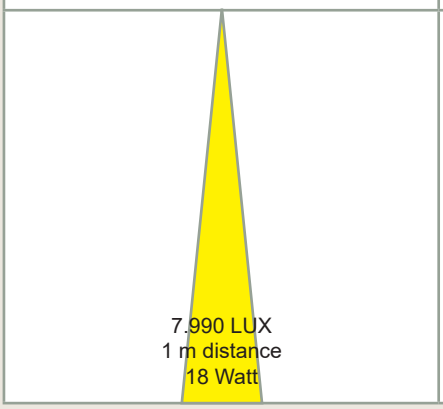
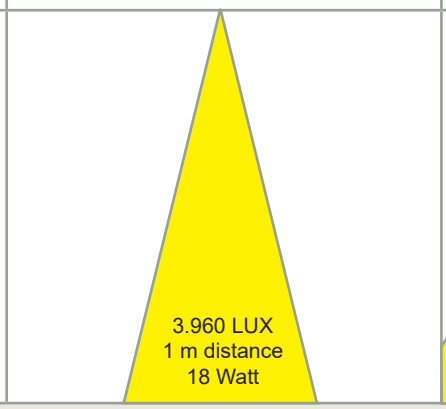
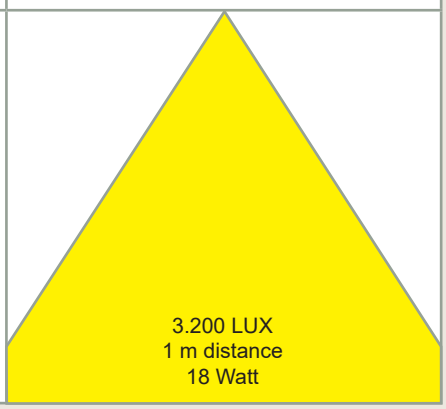
OUTPUT:

DIMMABLE UP TO MAX. 18 WATT

COLOUR TEMPERATURE:

2,700 KELVIN - WARM WHITE	5,000 KELVIN - DAYLIGHT WHITE

REFLECTOR (BEAM ANGLE):

12°	28°	66°
		

FRONT GLASS:

CLEAR	SATINISED

– 24 V DC and 42 V DC and other versions on request / subject to changes, E&OE –



Lamp head with cooling ribs for excellent heat management

On-off pushbutton including dimming function on the back of the lamp head

Turn-tilt joint made of diecast aluminium

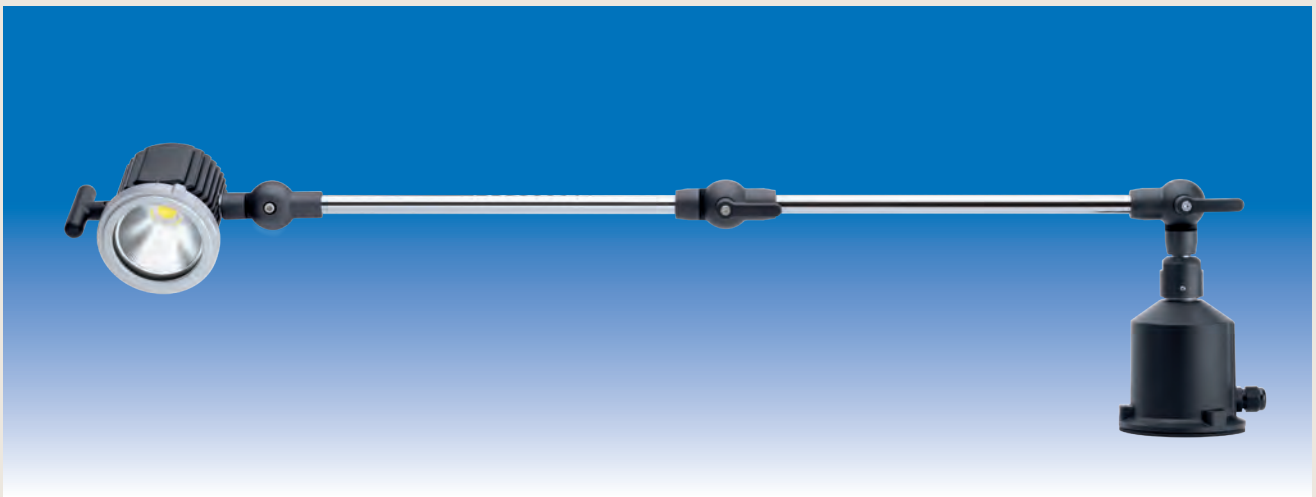




Handle on lamp head for directing the light

Portable versions with M16 cable gland with spiral kink protection and special cable INDUSTRIEFLEX® 07 HT and permanent magnet with strong attachment force





Series IV and V: unique tilt-and-turn joints with adjustable clamping lever for easy loosening and locking:
Even more possible uses by tilting the light horizontally and beyond (up to 110°)

– Other versions on request / subject to changes, E&OE –

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SPARE PARTS:	Order No.:
Front glass made of clear glass including seal set	165-650
Front glass made of satinised glass including seal set	165-651
Front glass made of clear polycarbonate including seal set	165-660
Front glass made of matt polycarbonate including seal set	165-661
Reflector 12°	165-751
Reflector 28°	165-752
Reflector 66°	165-753
High-power LED Nichia COB 2,700 K up to 18 Watt	165-703
High-power LED Nichia COB 5,000 K up to 18 Watt	165-701-V2
Handle	165-303
Seal set front glass	165-550
Seal set turn-tilt joint	165-560

EXPLODED DRAWING:



– Other versions on request / subject to changes, E&OE –

Type ALED X1



Model	ALED X1 Series	Cable with plug	Cable screw connection	Flexible metal tube length, mm	Pipe	Flexible metal tube	Light source output	Order No. 24 V AC/DC	Order No. 42 V AC	Order No. 230 V~ AC
mobile with magnet	III	3 m	–	300	–	–	LED 1 x 3 W	**7828111**	**7829111**	**7830511**
		3 m	–	400	–	–		**7837111**	**7838111**	**7839511**
stationary for screwing		–	M 16	300	–	–		**7828010**	**7829010**	**7830010**
		–	M 16	400	–	–		**7837010**	**7838010**	**7839010**
Connection housing with swivel joint and 2 tilting joints between housing and pipe as well as pipe and metal hose	IV	–	M 16	–	300 / 300		LED 1 x 3 W	**7X846050**	**7X847050**	**7X848050**
		–	M 16	–	400 / 400			**7X846060**	**7X847060**	**7X848060**

– other models on request / subject to modification and errors –

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ELSPRO LED Workplace Lamps Type ALED X1



The ribbed structure ensures optimal heat dissipation. The maximum temperature of the housing is therefore 60°C.

Variable models, e.g., particularly small and compact one, are possible. At 10 bo 30 V AC/DC, an additional power supply unit is required since there is a LED driver with an integrated constant current source in the lamp base.

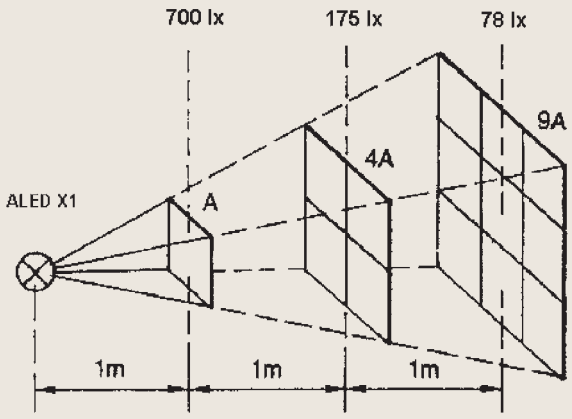
Swivel joint 350°

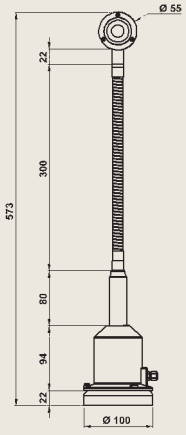
Connector housing made of polyamide: series III with switch on housing, series IV without switch



Art. No..: 7801980

- light source unit consists of a special aluminum heat sink with an inserted 3 watt LED positioned behind an aspheric glass lens → the LED has a service life of 20,000 hours and projects a bright, homogeneous working light
- insulated connection housing of polyamide, 30% fiberglass-reinforced → optimal protection of the power supply unit in the case of mechanical stress
- the 230V power supply unit is protected on the secondary side against short circuiting as well as against overload and thermal overload → guarantees the required stable DC power supply to the lamp, NO STROBOSCOPE EFFECT
- max. power consumption of of 5 watts → low energy input = low transformer output in the safety extra low voltage range (42 V) required
- the lamp base is made of die-cast aluminum → unbreakable, shock- and impact-resistant, long service life, COST SAVINGS
- the special ribbed structure ensures optimal heat dissipation → the lamp head does not get hot even if operated continuously, NO BURNS
- protection class up to max. IP 65 → SAFETY and function even if used in extremely wet areas and high exposure to dust
- lamp head diameter of only 55 mm, depth 47 mm → maximum light output with low space requirements





– other models on request / subject to modification and errors –

11.25

Optimal workplace lighting in accordance with the requirements of DIN EN 12464-1

ENORM in:
Light Output • Optics • Precision • Efficiency

POWER RASTER



ELSPRO®

LED workbench light
POWER



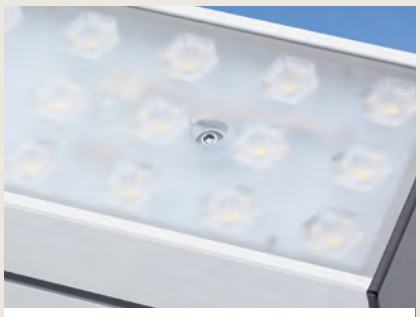
Our POWER product line works with high-quality 60° LED optics for uniform illumination with low system power and optimal glare suppression.

CONFIGURATIONS:

Voltage	Power	Luminous flux	Light source	Colour temperature	Dimensions (L × W × H))	Weight	Order no.
220 - 240 V AC 50 - 60 Hz	12.2 W	1,682 lm	LED panel with highly efficient SMD LEDs	5,000 K	614 x 70 x 80 mm	2.6 kg	**WBLP600/S**
	16.6 W	2,522 lm			900 x 70 x 80 mm	3.4 kg	**WBLP900/S**
	20.4 W	3,363 lm			1,186 x 70 x 80 mm	4.1 kg	**WBLP1200/S**

SPECIAL FEATURES:

- **LED optics 3-row, beam angle 60°, frosted** → non-glare light with uniform illumination
- Colour rendering index RA > 80, Glare value UGR < 19 → suitable for computer workstations
- LED service life L80B10 - 50,000 hours → outstanding, proven durability
- Aluminium housing, anodised, colourless → protection category 1, protection rating IP 40
- 5.00 m special cable INDUSTRIEFLEX 07HT 3G 1.5 mm² → premium cable with three design features
- Solid rubber safety plug 3-pole / 16 A / 230 V → ergonomic and handy plug shape
- Motion sensor with 8-minute follow-up time → energy-efficient personal detection
- optional: front unit ESD conductivity → protection against electrostatic charges



60° LED optic



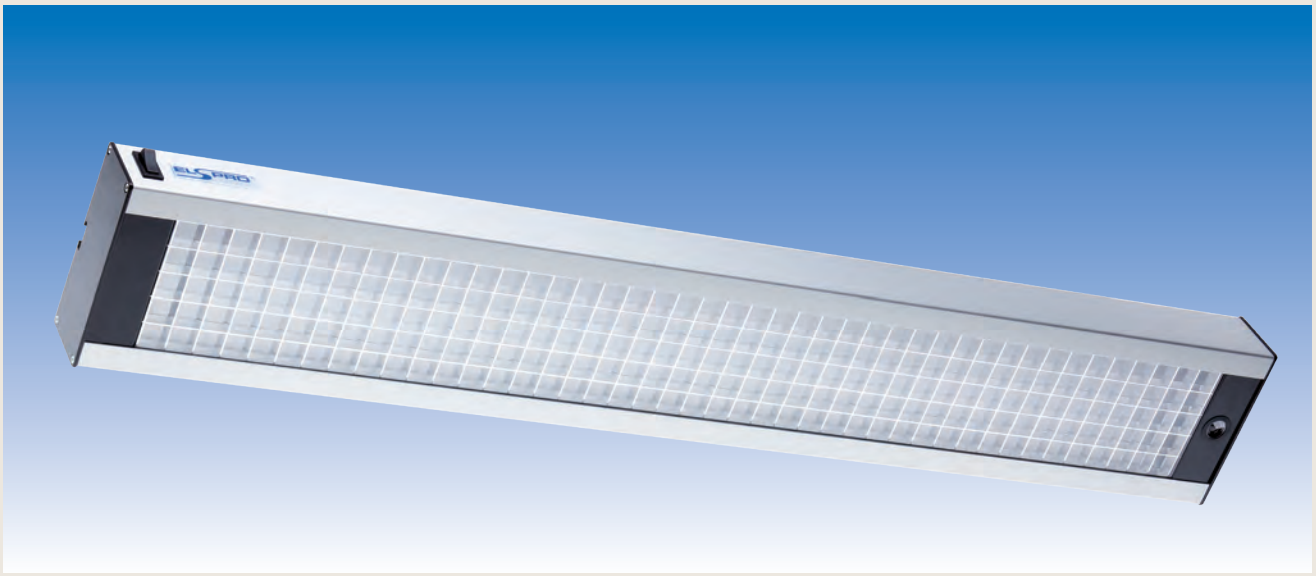
Motion sensor



Mounting accessories included

– additional versions, accessories and spare parts upon request / subject to change and error –

LED workbench light
RASTER



A high-gloss coated parabolic louvre for optimised illumination of workplaces with reduced glare supports the visual performance of the user. For permanent control work in accordance with the Workplace Ordinance.

CONFIGURATIONS:

Voltage	Power	Luminous flux	Light source	Colour temperature	Dimensions (L × W × H))	Weight	Order no.
220 - 240 V AC 50 - 60 Hz	22.2 W	2,077 lm	LED panel with highly efficient SMD LEDs	5,000 K	631 x 135 x 57 mm	2.5 kg	**WBLR600/FS**
	31.2 W	3,116 lm			999 x 135 x 57 mm	3.2 kg	**WBLR900/FS**
	40.5 W	4,154 lm			1,186 x 135 x 57 mm	4.1 kg	**WBLR1200/FS**

SPECIAL FEATURES:

- **Light directing system, three-part, incl. parabolic louvre** → non-glare light with uniform illumination
- Colour rendering index RA > 80, Glare value UGR < 19 → suitable for computer workstations
- LED service life L80B10 - 50,000 hours → outstanding, proven durability
- Aluminium housing, anodised, colourless → protection category 1, protection rating IP 40
- 5.00 m special cable INDUSTRIEFLEX 07HT 3G 1.5 mm² → premium cable with three design features
- Solid rubber safety plug 3-pole / 16 A / 230 V → ergonomic and handy plug shape
- with internal through wiring 3 × 1.5 mm² → option to connect an additional luminaire
- with adjustable motion detector → adjustable detection range
- remote control: on/off, dimmer function, automatic mode → adjustable sensitivity of the daylight sensor



Parabolic louvre LED



Motion sensor



Mounting accessories included



Remote control

- Other configurations on request / subject to changes and errors -

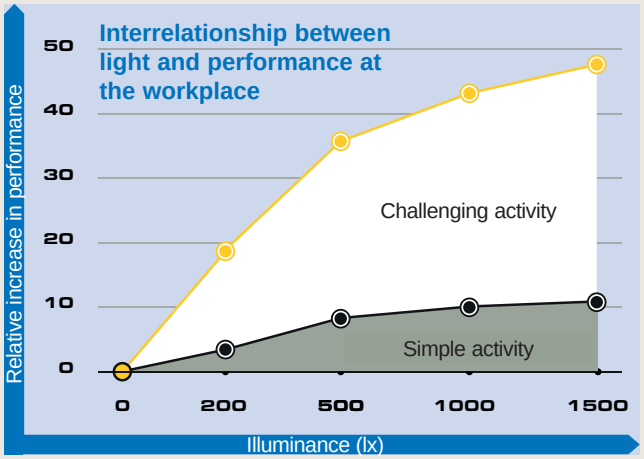
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GOOD LIGHTING – an investment that pays off

Know the feeling? You have had a good night's sleep and actually feel ready to start your day. Yet, when you look out the window at the dull, grey sky, your mood drops. Simultaneously, you feel tiredness creeping into your bones – and the urge to return to bed.

A perfectly normal reaction. This is because we need bright daylight to be active, productive and motivated. This is particularly true to the workplace, where concentration and attention are essential factors that determine efficiency and, as such, the quality of the results.

Therefore, and not only to meet the requirements of the standard, investing in optimal lighting at the workplace is worth your while – already from the very first second!



THE RIGHT LIGHTING and the factors that characterise it

Optimal lighting has an effect, both on a physical and psychological level. Not only does it brighten the room but it also improves the mood of the people working in it.

General and targeted lighting

Ceiling lights provide the basis for a balanced brightness. In addition, an extra source of light is required at the workplace to avoid fatigue and concentration lapses. This is where our LED workbench lights come into their own.

Illuminance and glare-free environment

The lighting intensity as well as the avoidance of reflections and mirroring is crucial to ensure good vision and performance at the workplace, since contrasts and details are clearly visible, and concentrated work is possible over a longer period of time. The ELSPRO LED workbench luminaires exceeds the standards as specified in DIN EN 12464-1 for the lighting level at workplaces.

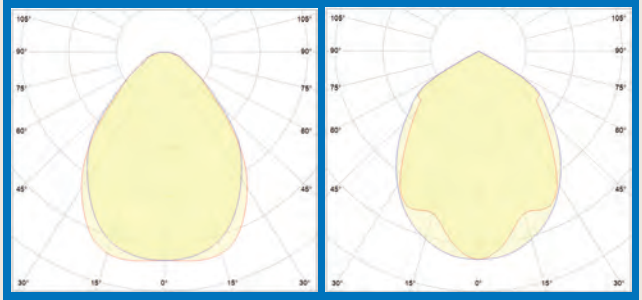
Light quality and light modulation

An optimised ratio of the factors light colour, light direction and individually-adjusted brightness distribution contribute to determining visual comfort, well-being, precision, and productivity at work. Light colours around 5,000 K, which come close to natural daylight, are ideal for work areas.

Energy efficiency

LED lights are currently the most efficient light sources. They consume up to 90% less energy than conventional light sources. Unlike conventional light sources, the LED lights that shine downwards emit all their light in one direction, meaning that none of it is lost in the housing.
LED lighting saves so much energy that a conversion can pay for itself in less than two years.

Light distribution of ELSPRO LED workbench lights



LED workbench light power | LED workbench luminaire grid

AVAILABLE IN ADDITIONAL VERSIONS:

- Brightness dimmable
- Sense Remote
- Tunable White
- App Connect

Brightness dimmable
With our dimmable product variants, you can flexibly adjust the brightness of the LED lighting and make optimal use of daylight.

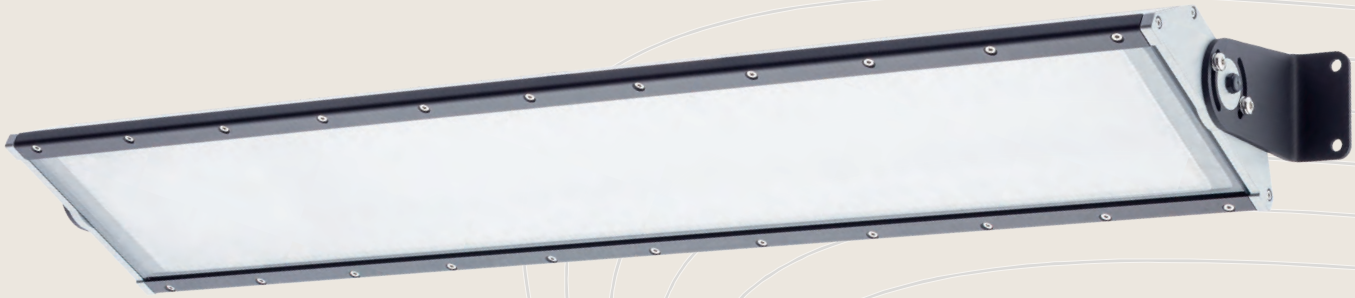
Sense Remote
Our Sense Remote products feature programmable motion sensors and daylight sensors, as well as shutters that limit motion detection. They are dimmable via an IR remote control.

Tunable White
Our Tunable White option allows you to adjust the colour temperature of the LED lighting from 2,700 Kelvin (warm white) to 6,500 Kelvin (cool white).

App Connect
Our App Connect luminaires can be programmed and controlled via mobile device app using a smartphone or tablet. This way, you can regulate and control our lighting systems wirelessly.

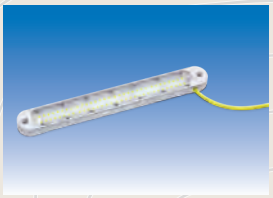
– additional versions, accessories and spare parts upon request / subject to change and error –

LED Protection Tube Lamps
LED Machine Lamps



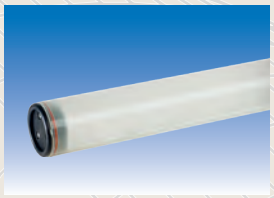












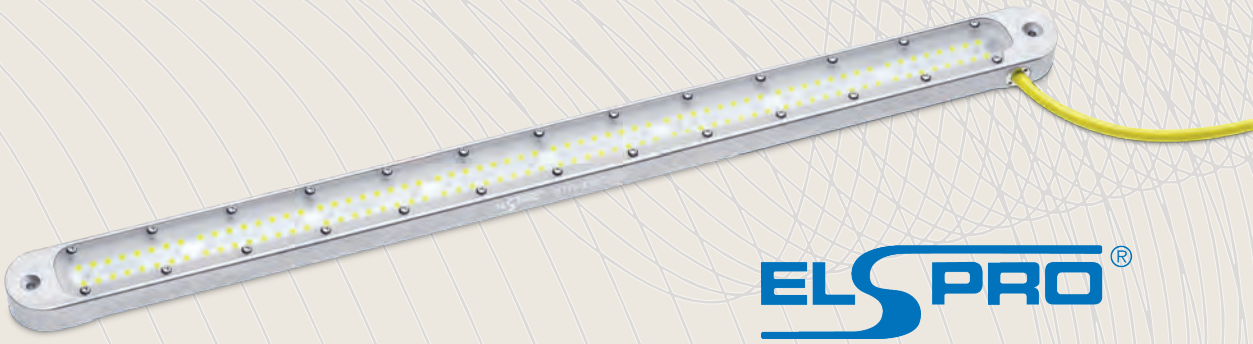












ELSPRO®

Protection Tube Lamps

SPECIAL FEATURES and ACCESSORIES:

Transparent **borosilicate glass** protection tube, 5 mm wall thickness, in 60 mm diameter
- particularly suitable when working with solvents, acids, and organic compounds
- no damage in the case of flying sparks and similar influences
- the particularly good translucence is long-lasting
- impurities on the surface can be removed easily
- protection tube is resistant to cold water and heat
- 70 mm tube diameter on request

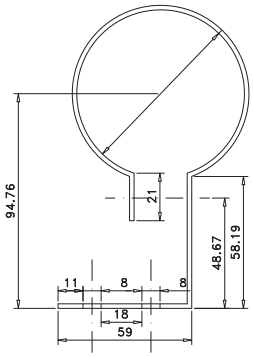
Transparent **methacrylate** protection tube, 5 mm wall thickness, in 60 mm diameter
- good mechanical properties
- resistant to oils, fats, and acids
- 70 mm tube diameter on request

Transparent **polycarbonate** protection tube, 1.5 mm wall thickness, in 50 mm diameter
- polycarbonate is the right choice in the case of mechanical loads,
- the low outer diameter of only 50 mm is an advantage in the case of limited available space

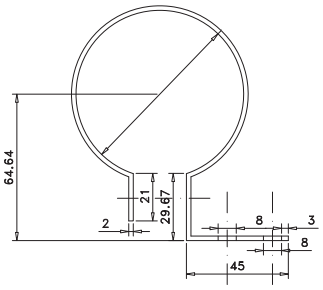
Side fasteners of polyamide, glass-fiber-reinforced, with seals of oil resistant rubber NBR, 42SH
- the side parts seal the lamps dust and water-pressure-tight, IP67
- the fastening screws are made of stainless steel



SEF0023



SEF0022



ACCESSORIES: Order No.

Assembly clip for tube Ø 60 mm
with fastening angle 60 mm — **SEF0023**

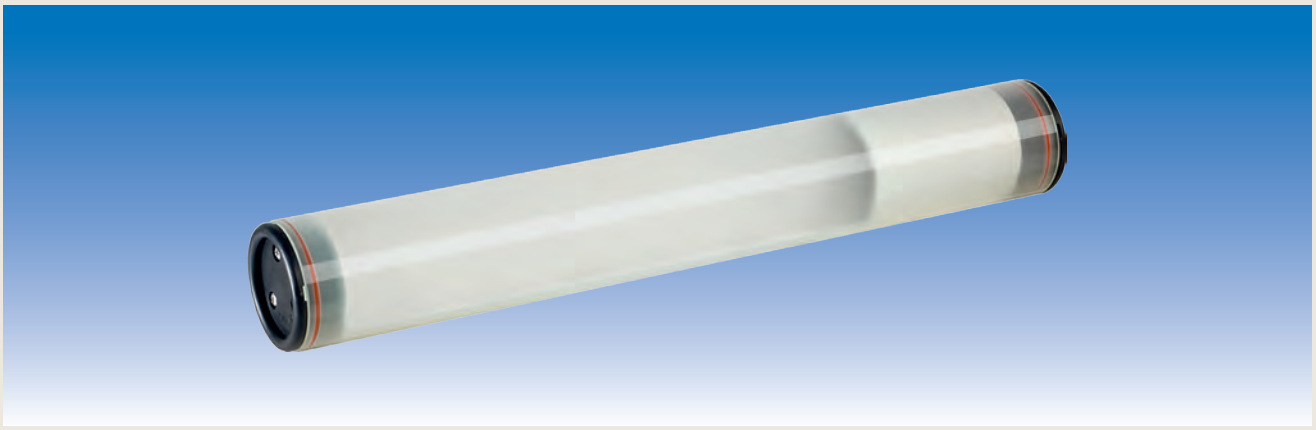
Assembly clip for tube Ø 60 mm
with fastening angle 45 mm — **SEF0022**

Assembly clip for tube Ø 60 mm — **SEF0024**
- clamping range 60 - 65 mm
- Material: polyamide
- Colour: light grey

Assembly clip for tube Ø 50 mm — **SEF0013**
- clamping range 50 - 55 mm
- Material: polyamide
- Colour: light grey

— other models and spare parts on request / subject to modification and errors —

ELSPRO LED Protected Tube Light SLM
Ø 60 mm Methacrylate



MODELS Type G6 Smooth end cap (Mounting brackets: see accessories):

Light Source	Output	Luminous Flux	Length	Order No. 24 V AC/DC	Order No. 42 V AC/DC	Order No. 42 V AC	Order No. 230 V AC
36 Mid-Power LEDs	12 W	2,100 lm	580 mm	-	-	-	SL2MG62312
42 Mid-Power LEDs	15 W	2,835 lm	512 mm	SL2MG62415	SL2MG64215	-	-
72 Mid-Power LEDs	24 W	4,040 lm	910 mm	-	-	-	SL2MG62324
50 Mid-Power LEDs	40 W	4,100 lm	812 mm	SLMG62440	-	SLMG64240	



MODELS Type W6 End caps with integrated mounting angle:

Light Source	Output	Luminous Flux	Length	Order No. 24 V AC/DC	Order No. 42 V AC/DC	Order No. 42 V AC	Order No. 230 V AC
36 Mid-Power LEDs	12 W	2,100 lm	600 mm				SL2MW62312
42 Mid-Power LEDs	15 W	2,835 lm	540 mm	SL2MW62415	SL2MW64215	-	-
72 Mid-Power LEDs	24 W	4,040 lm	935 mm				SL2MW62324
50 Mid-Power LEDs	40 W	4,100 lm	840 mm	SLMW62440	-	SLMW64240	-

FEATURES AND QUALITIES:

- high-quality hard-shell diffusion filter already mounted in the factory
- produces homogeneous light
- simple snap-on mounting on support rail
- filter mounting/dismounting without tools
- conversion of the light to direct lighting by removing the filter



– other models on request / subject to modifications and errors –

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ELSPRO LED Protected Tube Light SLB
Ø 60 mm Borosilicate glass



MODELS Type G6 Smooth end cap (Mounting brackets: see accessories):

Light Source	Output	Luminous Flux	Length	Order No. 24 V AC/DC	Order No. 42 V AC/DC	Order No. 42 V AC	Order No. 230 V AC
36 Mid-Power LEDs	12 W	2,100 lm	580 mm	-	-	-	**SL2BG62312**
42 Mid-Power LEDs	15 W	2,835 lm	512 mm	**SL2BG62415**	**SL2BG64215**	-	-
72 Mid-Power LEDs	24 W	4,040 lm	910 mm	-	-	-	**SL2BG62324**
50 Mid-Power LEDs	40 W	4,100 lm	812 mm	**SLBG62440**	-	**SLBG64240**	-



MODELS Type W6 End caps with integrated mounting angle:

Light Source	Output	Luminous Flux	Length	Order No. 24 V AC/DC	Order No. 42 V AC/DC	Order No. 42 V AC	Order No. 230 V AC
36 Mid-Power LEDs	12 W	2,100 lm	600 mm	-	-	-	**SL2BW62312**
42 Mid-Power LEDs	15 W	2,835 lm	540 mm	**SL2BW62415**	**SL2BW64215**	-	-
72 Mid-Power LEDs	24 W	4,040 lm	935 mm	-	-	-	**SL2BW62324**
50 Mid-Power LEDs	40 W	4,100 lm	840 mm	**SLBW62440**	-	**SLBW64240**	-

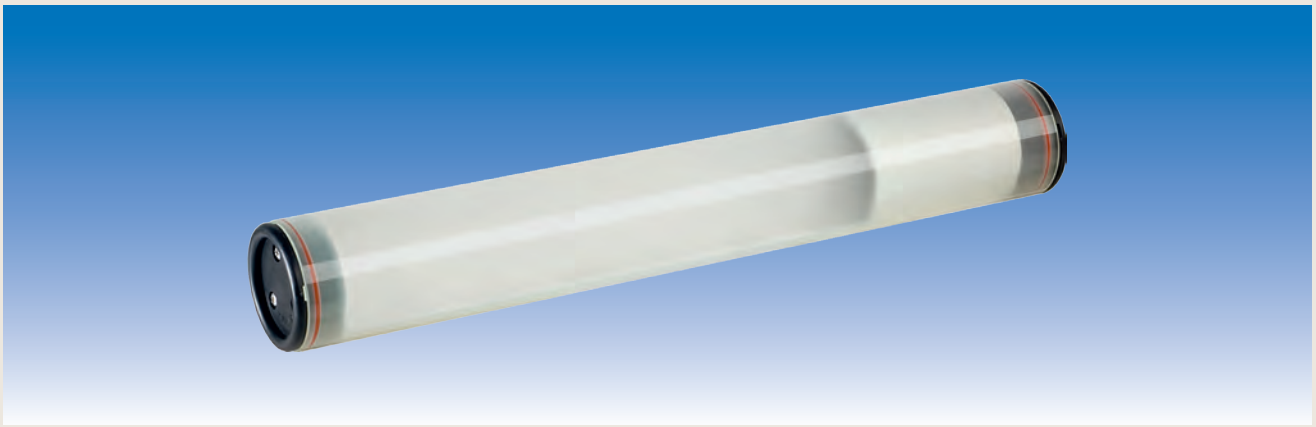
FEATURES AND QUALITIES:

- high-quality hard-shell diffusion filter already mounted in the factory
- produces homogeneous light
- simple snap-on mounting on support rail
- filter mounting/dismounting without tools
- conversion of the light to direct lighting by removing the filter



– other models on request / subject to modifications and errors –

ELSPRO LED Protected Tube Light SLP
Ø 50 mm Polycarbonate



MODELS Type G5 Smooth end cap (Mounting brackets: see accessories):

Light Source	Output	Luminous Flux	Length	Order No. 24 V AC/DC	Order No. 42 V AC/DC	Order No. 42 V AC	Order No. 230 V AC
42 Mid-Power LEDs	15 W	2,835 lm	507 mm	**SL2PG52415**	**SL2PG54215**	-	-
50 Mid-Power LEDs	40 W	4,100 lm	807 mm	**SLPG52440**	-	**SLPGS54240**	-
60 Mid-Power LEDs	18 W	3,060 lm	640 mm	-	-	-	**SLPG52318G***
120 Mid-Power LEDs	26 W	4,460 lm	1,160 mm	-	-	-	**SLPG52326G***

* 6,500 K



MODELS Type W5 End caps with integrated mounting angle:

Light Source	Out-put	Luminous Flux	Length	Order No. 24 V AC/DC	Order No. 42 V AC/DC	Order No. 42 V AC	Order No. 230 V AC
42 Mid-Power LEDs	15 W	2,835 lm	535 mm	**SL2PW52415**	**SL2PW54215**	-	-
50 Mid-Power LEDs	40 W	4,100 lm	835 mm	**SLPW52440**	-	**SLPW54240**	-
60 Mid-Power LEDs	18 W	3,060 lm	669 mm	-	-	-	**SLPW52318G***
120 Mid-Power LEDs	26 W	4,460 lm	1,189 mm	-	-	-	**SLPW52326G***

* 6,500 K

FEATURES AND QUALITIES:

- high-quality hard-shell diffusion filter already mounted in the factory
- produces homogeneous light
- simple snap-on mounting on support rail
- filter mounting/dismounting without tools
- conversion of the light to direct lighting by removing the filter



– other models on request / subject to modifications and errors –

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ELSPRO LED Protected Tube Light

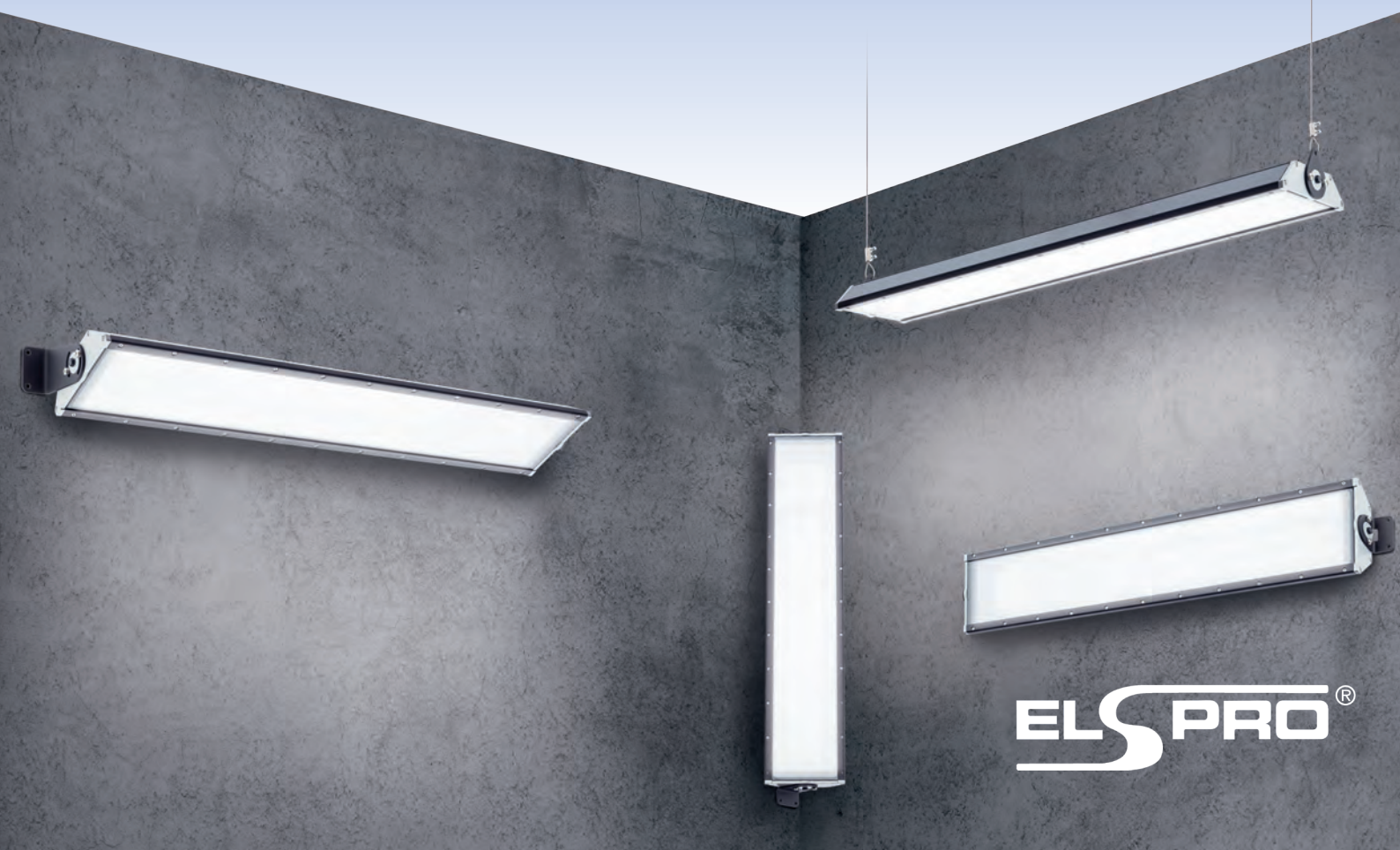
BESONDERHEITEN:

•	IP67 – dust- and watertight	→ SAFETY also when used in extremely wet areas
•	mid-power LEDs provide white, concentrated glare-free illumination	→ ideal for lighting at close range
•	very low generation of heat	→ no danger of injury from burns in the case of direct physical contact or direkt contact with the lam
•	the LEDs are vibration resistant and have a life expectancy of up to 50,000 hours	→ a sudden total loss of diodes is nearly impossible. Even at the end of operating life, the light does not go out completely. This quality means a high degree of OPERATIONAL RELIABILITY
•	an integrated LED driver supplies the LEDs with constant power long-term in DC operation	→ this ensures an extremely long operating life with optimal lighting performance
•	colour temperature 5.500 K (*SLPG523/SLPW523: 6.500 K)	→ similar to daylight

– other models on request / subject to modifications and errors –

ALFLED



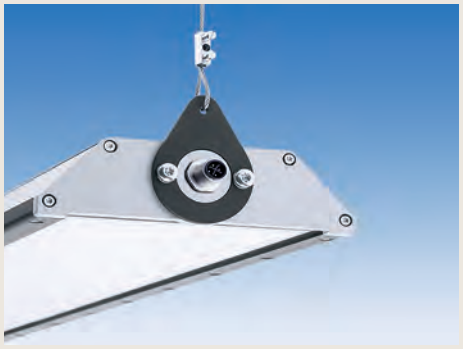




First select the type of mounting you require.

Your order then consists of:

REQUIRED MOUNTING BRACKET
+ SELECTED ALFLED VERSIONS
+ SELECTED CONNECTION TYPE

	Order No.:
 Lateral mounting brackets for wall or ceiling mounting, close-fitting Set consisting of 2 black-anodised aluminium mounting brackets, including attachment fittings for fastening to the ALFLED	**163-410**
 Lateral mounting brackets for corner or ceiling mounting, 90° tilting Set consisting of 2 black-anodised aluminium mounting brackets, including attachment fittings for fastening to the ALFLED	**163-411**
 Lateral mounting brackets for wall mounting, +/- 45° tilting Set consisting of 2 black-anodised aluminium mounting brackets, including attachment fittings for fastening to the ALFLED	**163-412**
 Lateral mounting lugs for suspending ceiling-mounted ALFLED Set consisting of 2 black-anodised aluminium mounting brackets, including attachment fittings for fastening to the ALFLED and 2 wire ropes with attachment kit	**163-413**

– other models on request / subject to modification and errors –

ALFLED

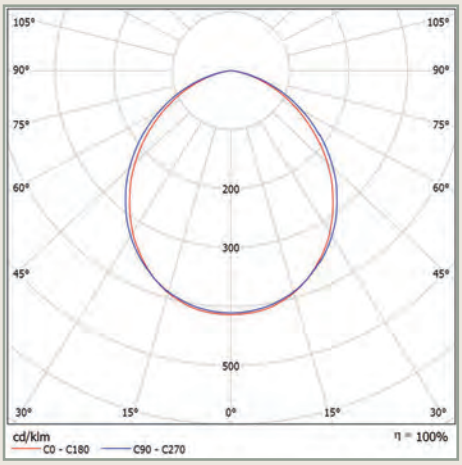
Aluminium Area Lamp LED

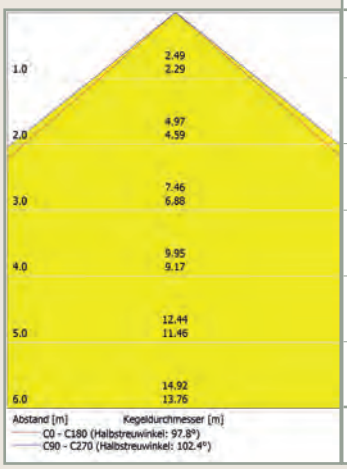


VERSIONS:

- models with two led panels, diffuser and tempered front glass

Lamp	Output	Luminous flux	R_a	Beam angle	Length in mm	Order No. 24 V DC	Order No. 230 V AC
Mid-Power LED 2 LED panels	26 W	3,017 lm	> 80	100°/100°	586 mm	**7A242615**	**7A232615**
	52 W	6,405 lm			866 mm	**7A245215**	**7A235215**
	78 W	9,664 lm			1,276 mm	**7A247815**	**7A237815**
	104 W	12,958 lm			1,556 mm	**7A2410415**	**7A2310415**





Illumination (lx)		104 W	78 W	52 W	26 W
E(0°)		5.362	3.998	2.657	1.253
E(C90)	51,2°	656	486	338	165
E(0)	48,9°	763	573	375	177
E(0°)		1.340	999	664	313
E(C90)	51,2°	164	122	84	41
E(0)	48,9°	191	143	94	44
E(0°)		596	444	295	139
E(C90)	51,2°	73	54	38	18
E(0)	48,9°	85	64	42	20
E(0°)		335	250	166	78
E(C90)	51,2°	41	30	21	10
E(0)	48,9°	48	36	23	11
E(0°)		214	160	106	50
E(C90)	51,2°	26	19	14	7
E(0)	48,9°	31	23	15	7
E(0°)		149	111	74	35
E(C90)	51,2°	18	14	9	5
E(0)	48,9°	21	16	10	5

CONNECTION TYPES:

Cable connector* (coupling)	Cable		Order No. 24 V DC T-coded	Order No. 230 V AC S-coded
	No cable		**160-800**	**160-900**
	5 m	INDUSTRIEFLEX® 07HT 2x1,0 mm²	**160-805**	-
		ELSPRO-FLEX® G 05 2x1,0 mm²	**160-805G**	-
		INDUSTRIEFLEX® 07HT 3G1,0 mm²	-	**160-9E5**
		ELSPRO-FLEX® G 05 3G1,0 mm²	-	**160-9E5G**

* Angled cable connector on request

– other models on request / subject to modification and errors –

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ASK US FOR YOUR SPECIFIC VARIANT:

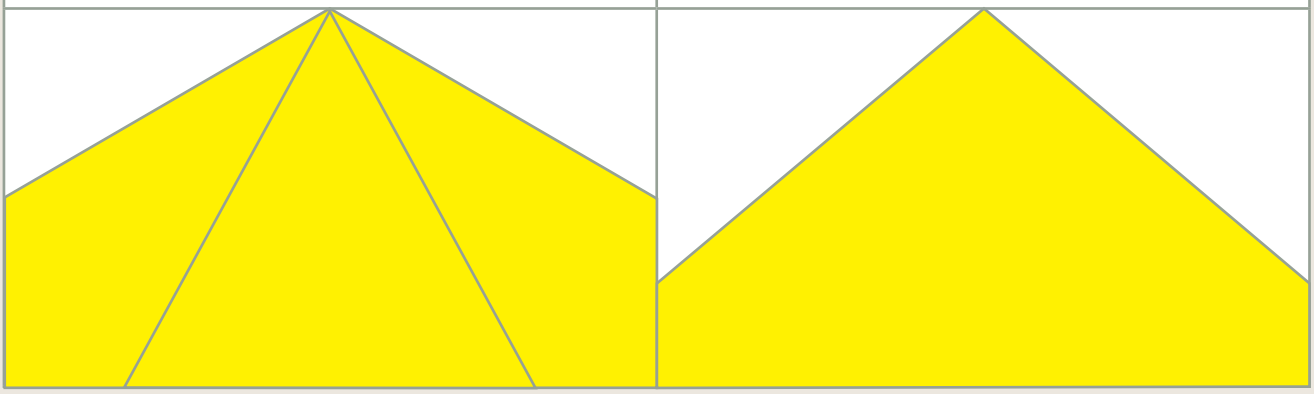
1,508 lm	3,017 lm		4,832 lm	6,405 lm		9,664 lm	12,958 lm
13 W	26 W		39 W	52 W		78 W	104 W
1 LED PANEL	1 LED PANEL	2 LED PANELS	1 LED PANEL	1 LED PANEL	2 LED PANELS	2 LED PANELS	2 LED PANELS
586 mm	866 mm	586 mm	1,276 mm	1,556 mm	866 mm	1,276 mm	1,556 mm

POWER SUPPLY:

24 V DC	230 V AC

BEAM ANGLE:

60° / 120°	100° / 100°



FRONT GLASS:

TEMPERED GLASS	POLYCARBONATE	COLOURED POLYCARBONATE

DIMMABILITY:

NON-DIMMABLE (STANDARD)	DIMMABLE

WIRING:

STANDARD	FOR CONNECTING IN SERIES*

Plug	24 V DC	T-coded	**160-801**
Plug	230 V AC	S-coded	**160-700**

assembled connecting cables on demand

* The following combinations are technically not possible: DIMMABLE and CONNECTING IN SERIES

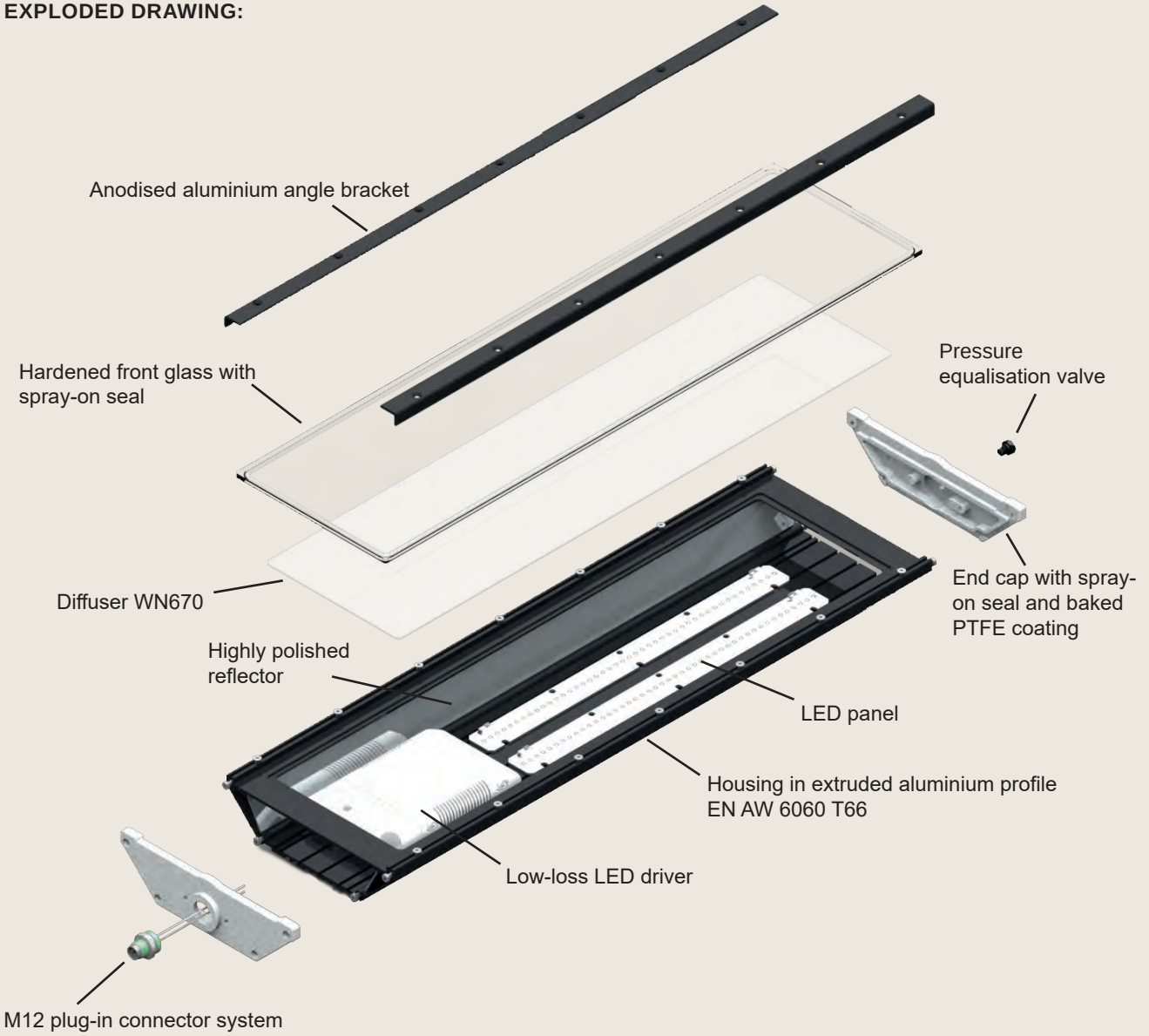
– other models on request / subject to modification and errors –

SPECIAL FEATURES:

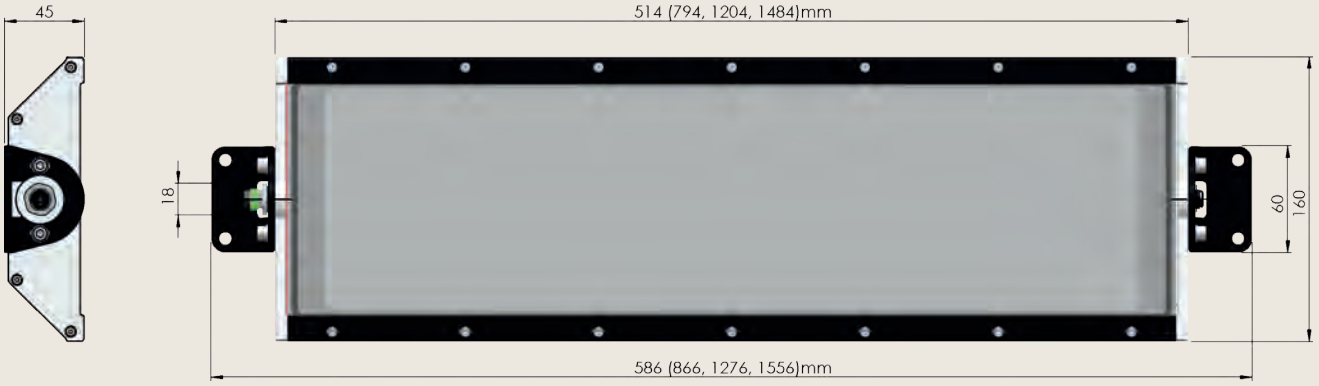
Lamp body manufactured from black-anodised extruded aluminium profile EN AW 6060 T66	→ Enclosed, therefore very strong housing. Large surface area for efficient heat management
Side parts for attaching brackets are manufactured in diecast aluminium with baked PTFE coating	→ Side parts with spray-on foam seal make the profile dust and waterproof
4 mm hardened front glass with spray-on, oil-resistant seal for standard	→ Resistant to swarf and sparks, dust and waterproof
Polycarbonate (coloured) front glass available	→ Break-proof, suitable for food industry
Diffuser, WN670	→ For a homogeneous distribution of light
Low-loss electronic LED driver	→ High efficiency, low energy costs
Colour temperature 5,000 Kelvin	→ Daylight white
Ingress protection type IP 67	→ Dust and waterproof
Standard: 4-pole input with panel-mount connector 12A / M12 plug-in connector system	→ Coded plug-in connector system with high protection type
Protection class 1 (230 V) or protection class 3 (safety extra low voltage)	→ Excellent personnel protection
Beam angle of 60°/120° and 100°/100° available	→ Individually configurable
Versions with 1 LED panel oder 2 LED panels	→ For various light intensity
Ambient temperature -25°C to +40°C	→ Suitable for different temperatures
Special-purpose solutions	→ For example: • dimmable via DALI control • dimmable via potentiometer • for connecting in series
Models for different application areas, ask for your solution!	→ Different application areas, e.g.: • Ceiling lights • Wall lights • Pendant lamp • Machine lamp • Workplace lamp • In wet areas • High-bay luminaire • Wire rope lamp • Food industry

– other models on request / subject to modification and errors –

EXPLODED DRAWING:



DIMENSIONS:



– other models on request / subject to modification and errors –



VERSIONS:

Voltage	Power	Luminous flux	Input	Dimensions (L x W x H)	Weight	Order no.
24 V DC*	6 W	600 lm	Built-in appliance connector 4 pol. / 4 A / 24 V DC / M8	190 x 40 x 18 mm	0.3 kg	**7ST24S**
			5 m ELSPRO-FLEX® G05** 2 x 1.0 mm²		0.7 kg	**7ST24S/5-**
	12 W	1,200 lm	Built-in appliance connector 4 pol. / 4 A / 24 V DC / M8	310 x 40 x 18 mm	0.5 kg	**7ST24M**
			5 m ELSPRO-FLEX® G05** 2 x 1.0 mm²		0.9 kg	**7ST24M/5-**
	24 W	2,400 lm	Built-in appliance connector 4 pol. / 4 A / 24 V DC / M8	555 x 40 x 18 mm	0.7 kg	**7ST24L**
			5 m ELSPRO-FLEX® G05** 2 x 1.0 mm²		1.10 kg	**7ST24L/5-**

* other voltages on request
** ELSPRO-FLEX® G05 see page 8.9

FEATURES:

- 32 / 64 / 128 x NICHIA 757 LEDs → high luminous efficacy and uniform light pattern
- Colour temperature 5,500 K → daylight white
- Beam angle 120 → large beam angle with uniform illumination
- Lifetime of at least 50,000 hours → proven durability
- Housing made of aluminium (solid material) and front pane made of acrylic glass → high quality and robust, reliable use under extreme conditions
- Direct mounting or mounting by means of magnet sets, either flat or with tilting joints → easy installation in machines and production lines
- IP 67 → dustproof and waterproof
- low overall height of only 18 mm → Easy installation even in very tight spaces and installation locations
- Protection class 3 → Protecting personnel at the highest level

- other versions on request / subject to change and error -

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Magnet-Set (7ST-2M)

Accessories Order no.

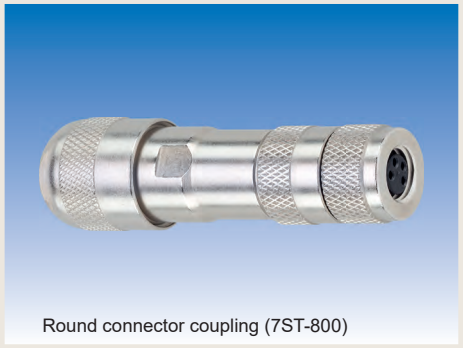
2 holding magnets **7ST-2M**
- Ø 43 mm, height 5 mm
- Adhesive force 10 kg
- incl. fastening screws
- Magnet with rubber coating



Swivelling magnet set (7ST-2M/SB)

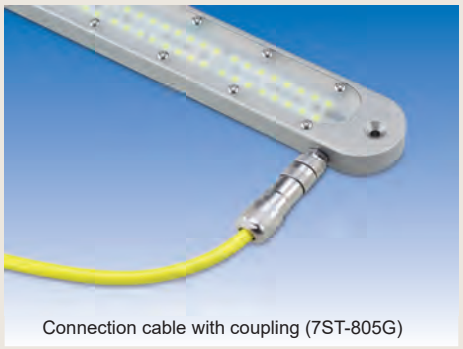
2 swivelling (90°) holding magnets **7ST-2M/SB**
- Ø 43 mm, height 27 mm
- Adhesive force 10 kg
- incl. fastening screws
- Magnet with rubber coating





Round connector coupling (7ST-800)

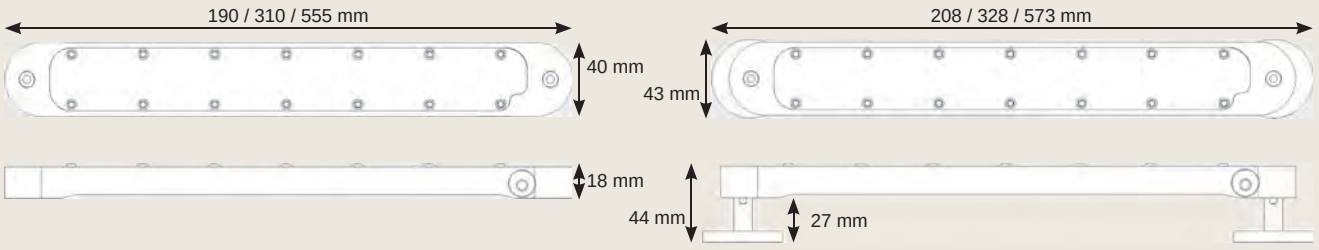
Round connector coupling **7ST-800**
- 4 pole / 4 A / 24 V / M8 / IP 67
- Flexible wire gauge 1.00 mm²
- Screw terminal connection
- for a cable diameter of 6.0 - 8.0 mm
- CuZn brass housing material
- Material contact pins: Brass, gold plated
- Temperature resistance -40° / + 85° °C
- IP 67 protection class



Connection cable with coupling (7ST-805G)

Pre-assembled device connection cable consisting of: **7ST-805G**
- 5 m ELSPRO-FLEX® G05 2x1,0
- Yellow signal colour
- highly flexible special hose line with modified polyurethane jacket and copper class 6
- 25 mm open cable end stripped and fitted with wire end ferrules
- 1 Round connector coupling
  4 pole / 4 A / 24 V / M8 / IP 67
  - PIN 1 plus
  - PIN 3 minus
  - for a cable diameter of 6.0 - 8.0 mm

DIMENSIONS:



- other versions on request / subject to change and error -

Spotlights / Floodlights













ELSPRO®

MILAN



Save costs | Save time | Increased safety

5mm tempered safety glass

with UV filter
Prevents blue light from escaping
- Protects people and animals
- Protects insects

Flexible mounting
Thanks to robust mounting bracket, inclination from -120° to +120° can be adjusted optionally as a mobile luminaire with a tripod holder for DIN spigots in accordance with DIN 14640

Highly efficient **Zhaga Standard (Book 15)** LEDs with 156 L/W. Power Factor > 0.98



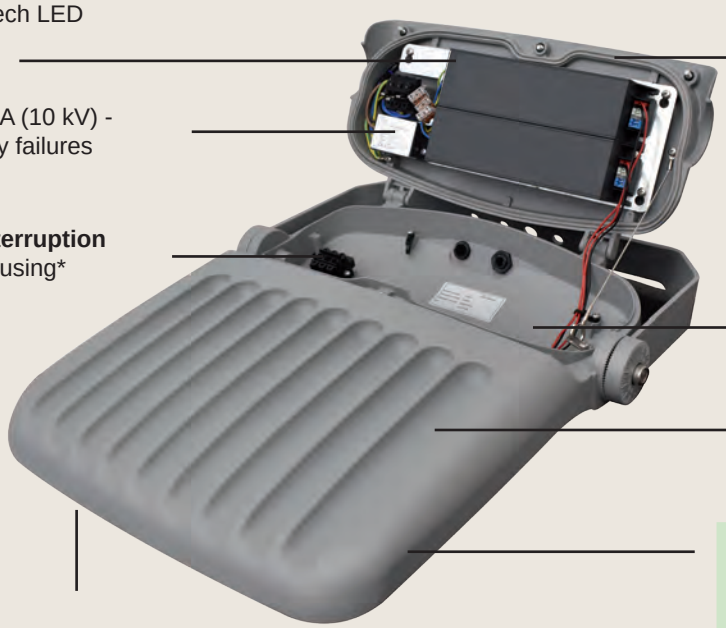
Plastic powder-coated aluminium die-cast housing (colour RAL 9022) robust, weatherproof and corrosion-resistant
Impact resistance IK10
Resistant to mechanical stress, such as heavy hail

Pressure equalisation valve
Prevents condensation and maintain IP tightness

Multifunctional high-tech LED driver dimmable with DALI-2-Standard

Surge protection 20 kA (10 kV) - protects against costly failures

Automatic mains interruption
When opening the housing*



Degree of protection

IP66
Dust-proof and protected against strong water splashes from all directions

Two-zone concept
(Two chambers for LED module and driver) for optimal thermal management

Aerodynamic design
- Low contamination due to smooth surface
- No cooling fins are necessary for heat dissipation

Beam angle
Asymmetric (A4)
Excellent and uniform surface illumination

* For EML250 and EML460

– Further models, accessories and spare parts on request / subject to change and error –



MODELS:

Voltage	Power	Luminous flux	Luminaires	Colour temperature	Dimensions (L x W x H)	Weight	Order no.
220 - 240 V AC 47 - 63 Hz	80 W	12,312 lm	36 pieces (3 x 12) High-power LED	4,000 K	390 283 283 x 73 mm	4.2 kg	**EML80**
	140 W	21,706 lm	48 pieces (3 x 16) High-power LED		490 390 283 x 81 mm	8.2 kg	**EML140**
	250 W	39,045 lm	96 pieces (6 x 16) High-power LED		595 460 283 x 95 mm	12.1 kg	**EML250**
	460 W	71,318 lm	168 pieces (14 x 12) High-power LED		727558283x107mm	19.8 kg	**EML460**

SPECIAL FEATURES:

• **LED life L90B10 > 100,000 hours** Driver life < 70°C = 100,000 hours	→ Outstanding, proven durability
• **Up to 156 lumens/watt** (154 – 155 – 156 – 155)	→ Highly efficient LED technology: High luminous efficiency with low energy consumption – one of the most powerful and efficient LED spotlights on the market
• Modular concept	→ Future-proof and sustainable thanks to easy-to-replace luminaire components (LEDs, drivers, lens optics, safety glass)
• Outstanding price/performance ratio (lm/€)	→ Low payback times
• 36, 48, 96 or 168 high power LEDs type 5050	→ Homogeneous light image
• Ambient temperature -35°C to +50°C.	→ Use even with large temperature fluctuations
• Highly resistant to 5G vibration	
• Luminosity class G6 and Upward Light Ratio (ULR) = 0%	→ No light emissions in the upper half-space and therefore no light pollution
• Photobiological safety class RG0 (No risk)	→ Maximum safety for the user
• Protection class 1	
• Colour Rendering Index (CRI) > 70	
• Light-weight, only 4.2 / 8.2 / 12.1 or 19.8 kg	→ Easy installation and maintenance

– Further models on request / subject to change and error –

LED Spotlights
MILAN

IP66



Safety glass (EML005 - EML008)

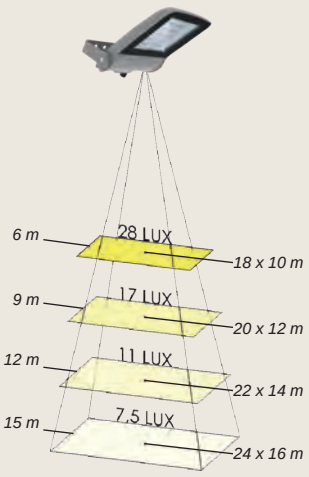


LED board including lens (EML010 / EML011)

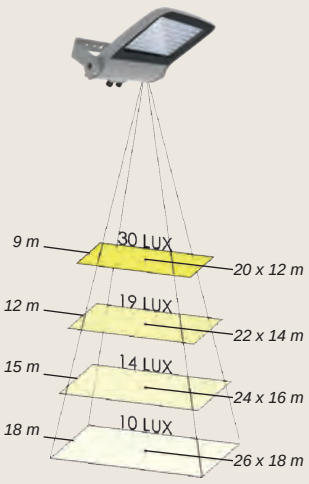
ACCESSORIES AND SPARE PARTS:	Order no.
Safety glass (5 mm) with UV filter	
• MILAN 80 W	**EML005**
• MILAN 140 W	**EML006**
• MILAN 250 W	**EML007**
• MILAN 460 W	**EML008**
LED board including lens	
• Colour temperature 4,000 K.	
• Colour Rendering Index (CRI) > 70	
• LED life L90B10 > 100,000 hours	
• 12 LEDs, total luminous flux 6,313 lm	**EML010**
• 16 LEDs, total luminous flux 8,417 lm	**EML011**
LED driver (not shown)	
• Input voltage 230 V AC	
• LED driver dimmable DALI-2-Standard	
• Continuous current 1,000 mA	
• Nominal power 75 W (EML80)	**EML001**
• Nominal power 150 W (EML140)	**EML002**
• Nominal power 2 x 150 W (EML250)	**EML002/SET**
• Nominal power 250 W.	**EML003**
• Nominal power 2 x 250 W (EML460)	**EML003/SET**

LIGHTING SPECIFICATIONS:

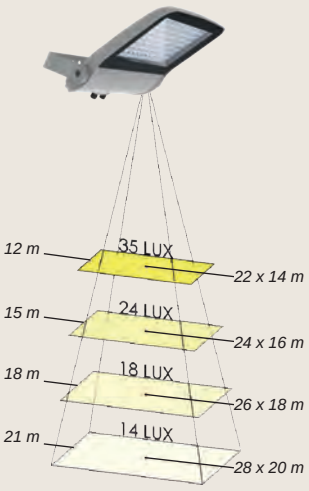
EML80



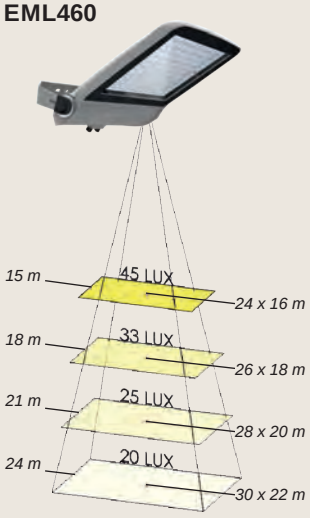
EML140



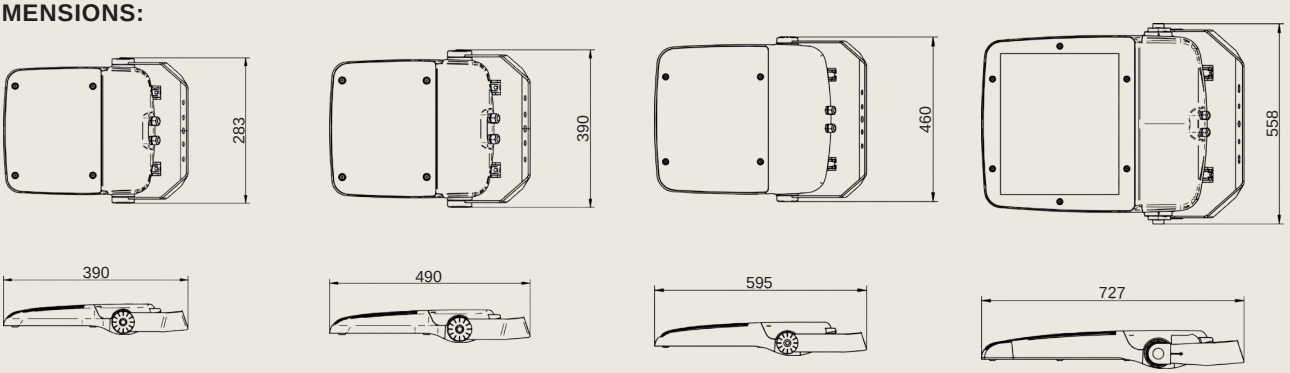
EML250



EML460



DIMENSIONS:



– Further models, accessories and spare parts on request / subject to change and error –

09.25

ELSPRO DUPLUX LED Portable Floodlight

IP66 CE



SPECIFICATIONS:

Voltage	Power	Luminous flux	Beam angle	Dimensions	Weight	Supply cable* with plug	Order no.
230 V AC	180 W	26,400 lm	30° 30°	L: 446 mm W: 172 mm H: 334 mm	8.05 kg	5 m IP 68	**ESTD1803030/5DWD**
					8.79 kg	10 m IP 68	**ESTD1803030/10DWD**
			30° 90°		8.05 kg	5 m IP 68	**ESTD1803090/5DWD**
					8.79 kg	10 m IP 68	**ESTD1803090/10DWD**
			90° 90°		8.05 kg	5 m IP 68	**ESTD1809090/5DWD**
					8.79 kg	10 m IP 68	**ESTD1809090/10DWD**

* INDUSTRIEFLEX® 07HT 3G1.5 mm² special cable (for special features, see pages 8.1–8.2)

SPECIAL FEATURES:

- colour temperature: 5,000 K → similar to daylight
- spotlight and floodlight in a single unit, made possible by high-power LEDs with interchangeable lens optics for flexible adjustment of the light distribution → beam angle 30° or 90°, or a combination of both (60° lens on request)
- sturdy cast aluminium housing, with a plastic powder coating, impact resistance rating IK 08 → resistant to mechanical stress
- high-quality, low-loss LED driver → high efficiency
- with a built-in reel for easy winding and unwinding of the supply cable → space-saving storage
- Can be used free-standing or on a tripod → Integrated tripod mount made of powder-coated steel for DIN pins (Ø 30 mm) in accordance with DIN 14640, for quick assembly and disassembly
- swivelling, finely adjustable lamp head → Adjustable from -40° to +140° as required
- with 4 rubber feet → stable stance and ground clearance
- Degree of protection IP 66 → dust-tight and resistant to powerful jets of water
- with an ergonomic, insulated carrying handle → easy transport
- ambient temperature range: -30°C to +35°C → Can also be used with large temperature fluctuations indoors and outdoors
- Colour rendering index Ra > 80
- LED service life L80B10 - 50,000 hours → proven longevity
- low heat generation → No risk of burns on contact: SAFETY

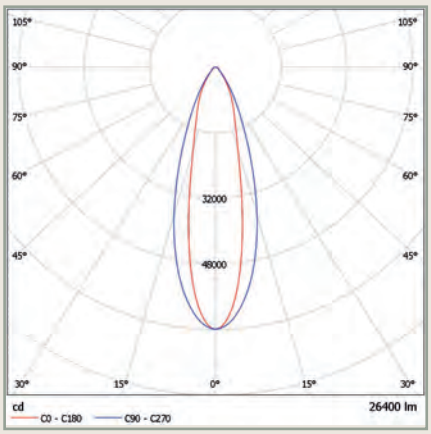
– additional versions upon request / subject to change; errors and omissions excepted –

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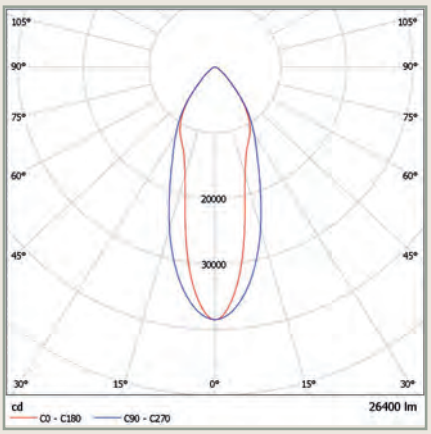
ELSPRO DUPLUX LED Portable Floodlight

IP66 CE

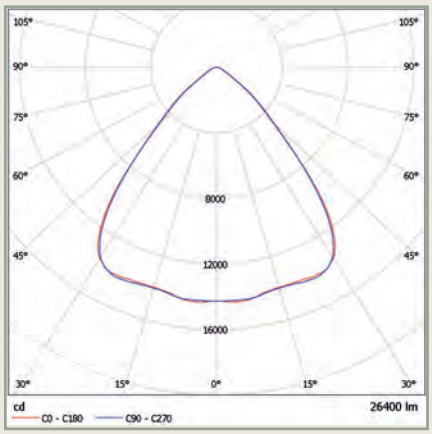
LIGHT OUTPUT ESTD1803030:



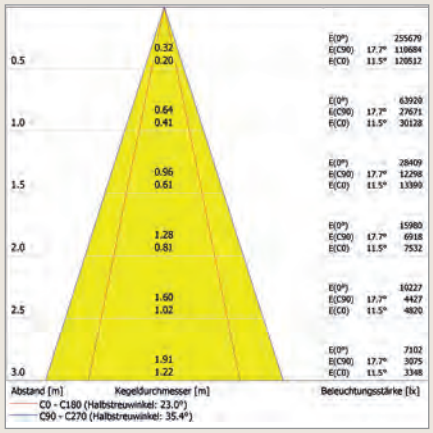
LIGHT OUTPUT ESTD1803090:



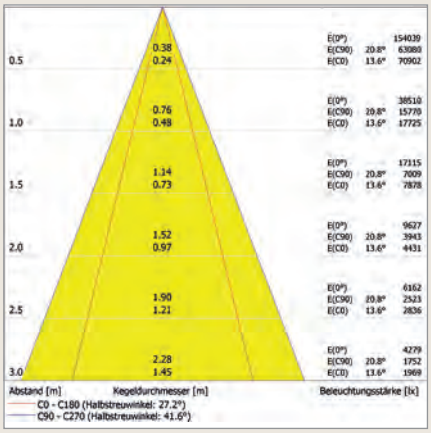
LIGHT OUTPUT ESTD1809090:



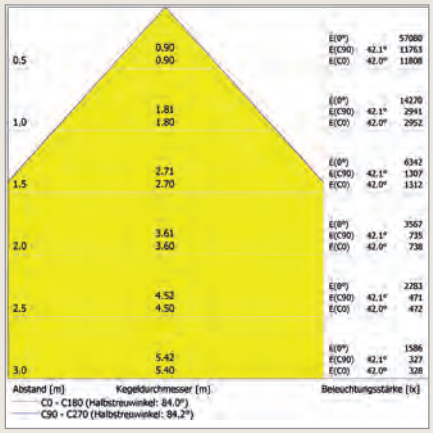
CONE DIAGRAM ESTD1803030:



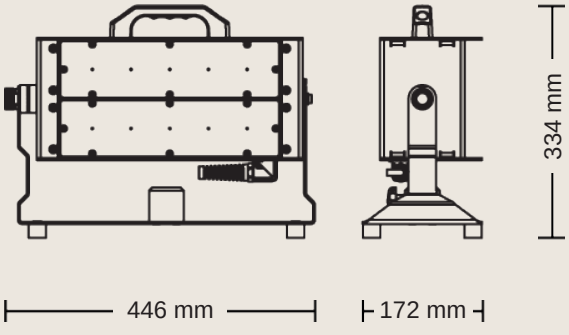
CONE DIAGRAM ESTD1803090:



CONE DIAGRAM ESTD1809090:



DIMENSIONS:



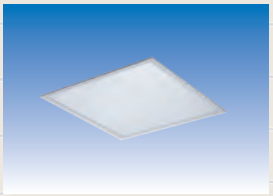
ACCESSORIES:

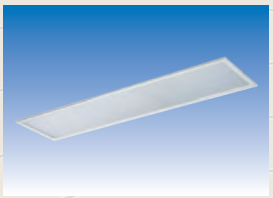
plastic lens
approx. 12 x 318 x 84 mm (D x W x H):

- with a beam angle of 30° **ESTD-L30**
- with a beam angle of 60° **ESTD-L60**
- with a beam angle of 90° **ESTD-L90**

– additional versions upon request / subject to change; errors and omissions excepted –

LED Hall / Wall / Ceiling Luminaires
LED Linear Luminaires / LED-Panel
LED Tube / Area Luminaires

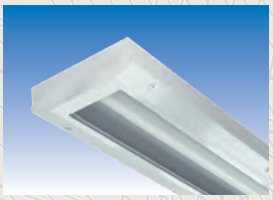














LED Floodlight
SPACEJET 48 110°/ SPACEJET 48 60°

IP66



VERSIONS:

Voltage	Power	Luminous flux	R_a	Beam angle	Dimensions (L x B x H)	Weight	Order no.
100 - 240 V AC 50 / 60 Hz	max. 48 W	6,700	≥ 80	110°	240 x 267 x 210 mm (Including bracket)	4.2 kg	**ESJ048110**
		6,100	≥ 80	60°			**ESJ048060**

SPECIAL FEATURES:

❶ **110° version:** High-performance LED module with 228 nodes evenly distributed on a large area and a 110° beam angle produces a homogeneous light pattern	→ Perfect for providing even illumination of areas
❷ **60° version:** 24 high-performance LEDs with supplementary lenses and a 60° beam angle produces a focused light pattern	→ For providing focused illumination of areas from a great height
• Colour temperature: 5,000 K	→ Daylight white
• Ambient temperature: **-30 °C to +55 °C**	→ Can be used indoors and outdoors, even under large temperature fluctuations
• Ingress protection type: **IP66**	→ Proof against dust entry and protected against for powerful water jets
• Connection is by a flexible cable (approx. 50 cm) with jacketed ends	
• Mains adapter and driver are fitted in an extra housing on the bracket for easy mounting	→ No negative interactions due to heating up
• The low weight of only 4.2 kg and strong mounting bracket allows for easy and reliable ceiling or wall mounting An additional safety wire with karabiner hook is included	→ protection - safety

– Other versions on request / subject to changes, E&OE –

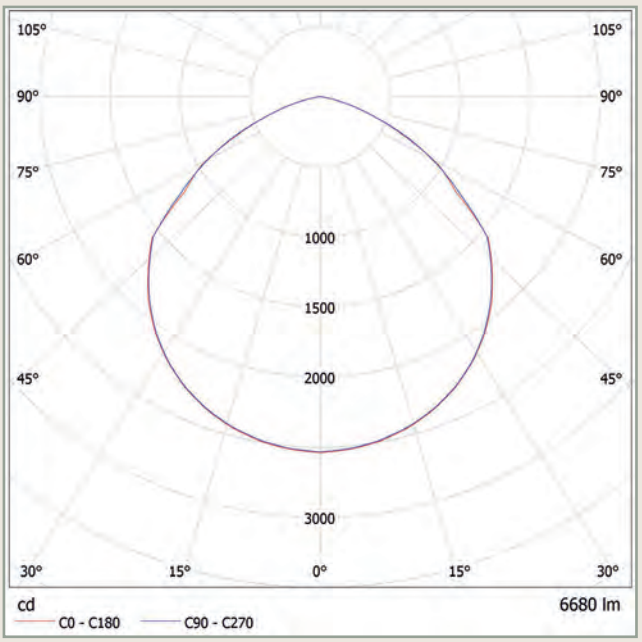
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LED Floodlight
SPACEJET 48 110°/ SPACEJET 48 60°

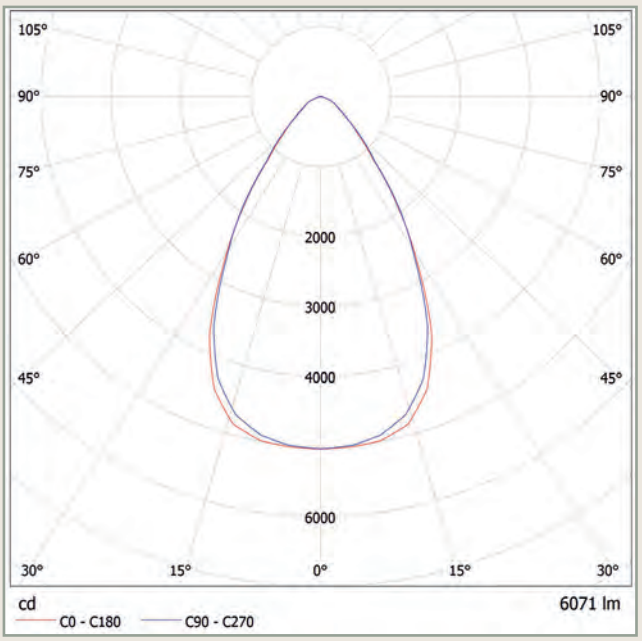
IP66

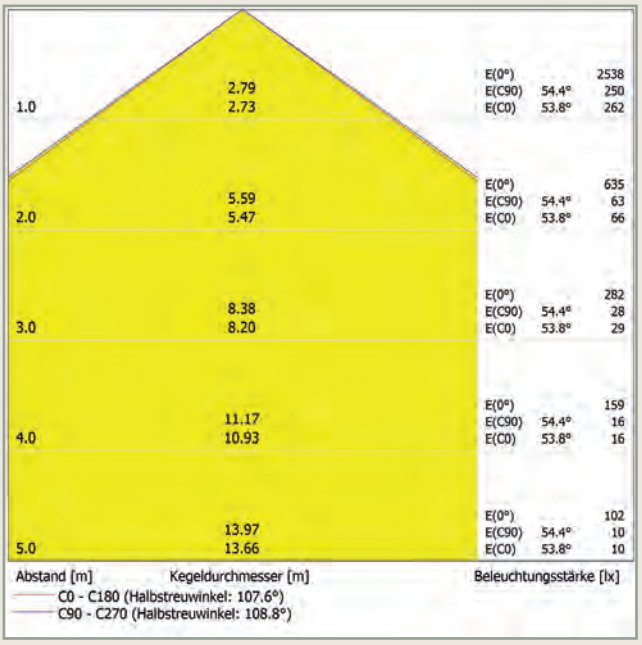
Light emission:

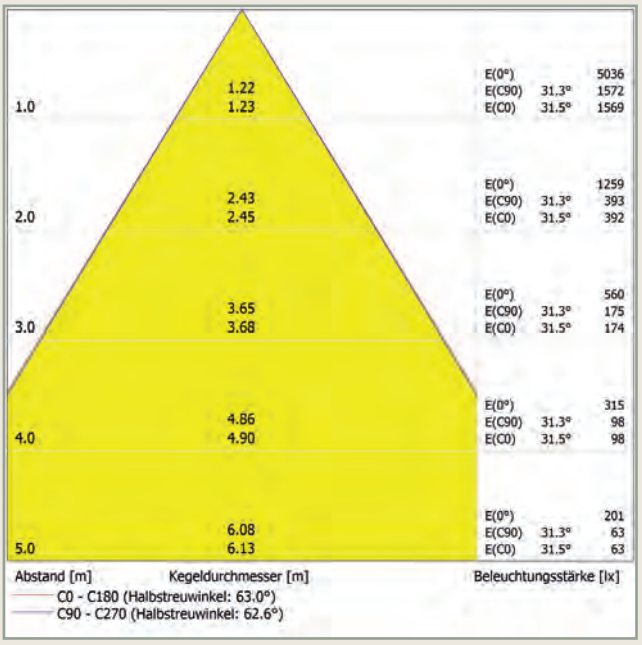
SPACEJET 48 - 110°

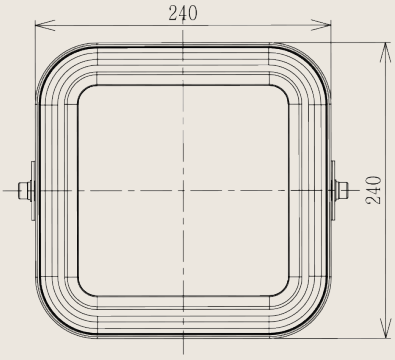


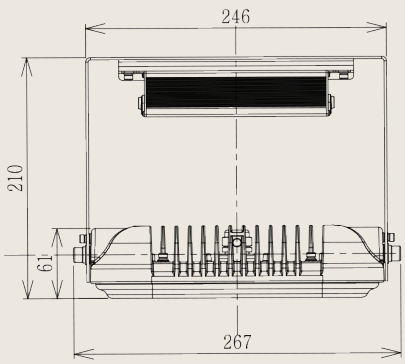
SPACEJET 48 - 60°

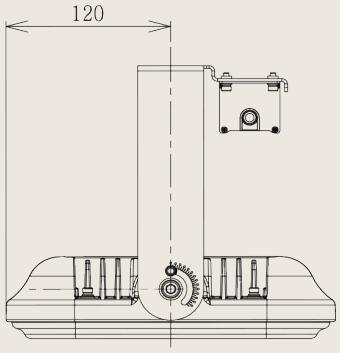










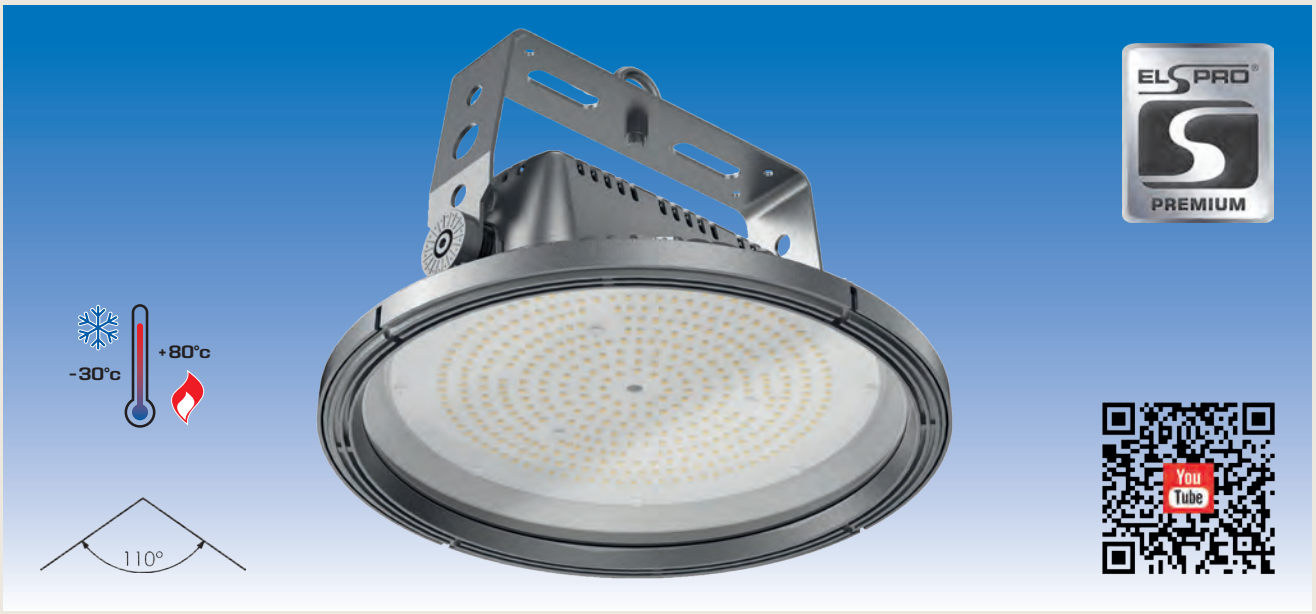


– Other versions on request / subject to changes, E&OE –

02.24

LED floodlight
SPACEJET HT 80 110°

IP66



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 240 V AC 50 / 60 Hz	max. 80 W	13.600 **170 lm / W**	5.000 K	233 x 380 mm	6,8 kg	**ESJHT080110**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 168 light points evenly distributed over a large area and a beam angle of 110° create a homogeneous light image → Basis for the even illumination of surfaces
- LED lifespan L90B10 - 50,000 hours
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C bis +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → No dust ingress and protected against strong water jets
- The power supply and drivers are housed in an extra housing on the spotlight housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- Low weight of only 6.8 kg (aluminium housing) and the sturdy mounting bracket including eye screw enable easy and safe ceiling or wall mounting. → protection - security
- The connection is made via a flexible cable with stripped ends
- Power factor > 0,9
- Colour rendering index CRI > 80
- Protection class 1
- Shock resistance IK 08



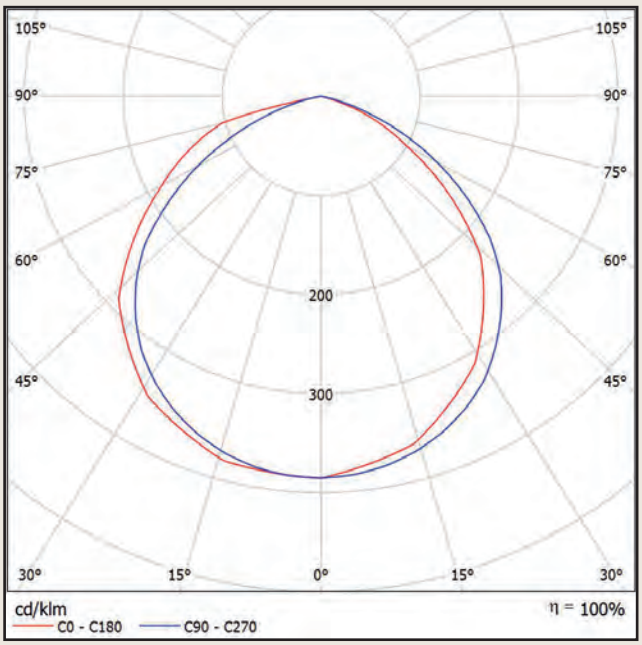
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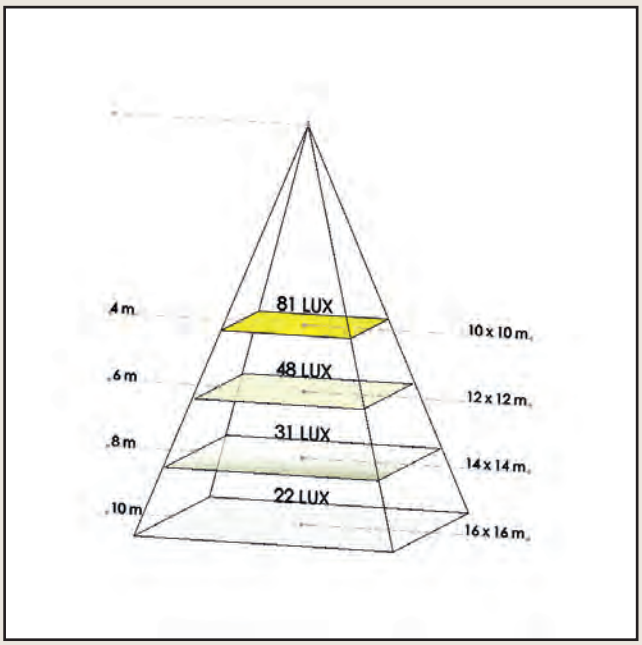
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LED floodlight
SPACEJET HT 80 110°

IP66

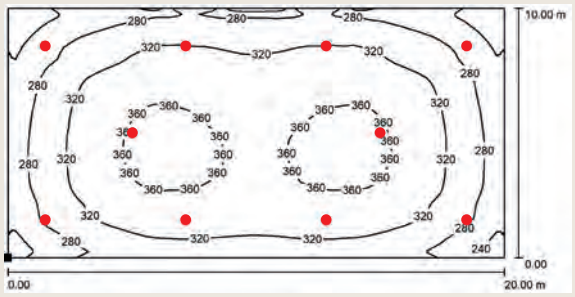
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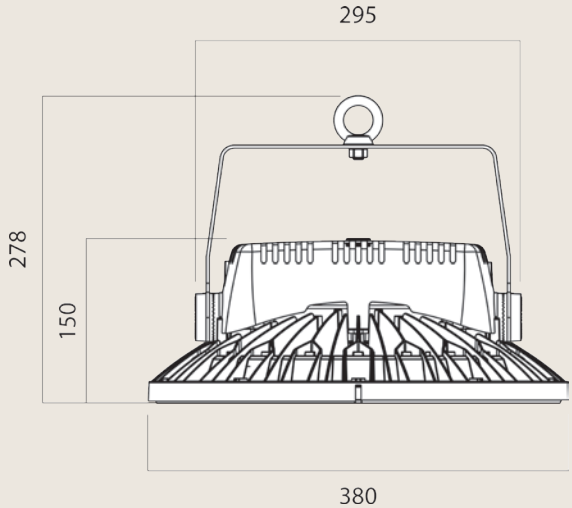


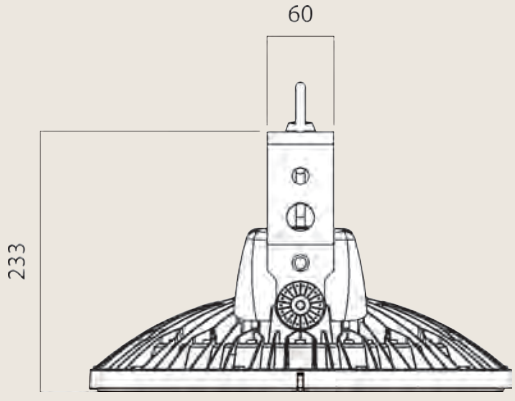
Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 10 SPACEJET 80 110°:



Room height:	8,00	m
Mounting height:	8,00	m
Maintenance factor:	0,80	
Usage level:	0,85	m
E_m:	317,00	Lux
g_1:	0,62	





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LED floodlight
SPACEJET HT 80 70°

IP66



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 240 V AC 50 / 60 Hz	max. 80 W	12.800 **160 lm / W**	5.000 K	233 x 380 mm	6,8 kg	**ESJHT080070**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 160 light points evenly distributed over a large area and a beam angle of 70° create a homogeneous light image → Basis for the even illumination of surfaces
- LED lifespan L90B10 - 50,000 hours
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C bis +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → No dust ingress and protected against strong water jets
- The power supply and drivers are housed in an extra housing on the spotlight housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- Low weight of only 6.8 kg (aluminium housing) and the sturdy mounting bracket including eye screw enable easy and safe ceiling or wall mounting. → protection - security
- The connection is made via a flexible cable with stripped ends
- Power factor > 0,9
- Colour rendering index CRI > 80
- Protection class 1
- Shock resistance IK 08



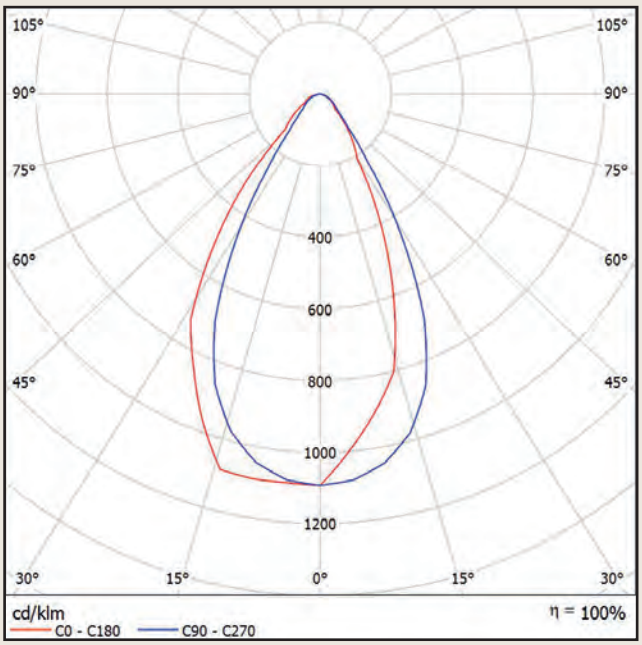
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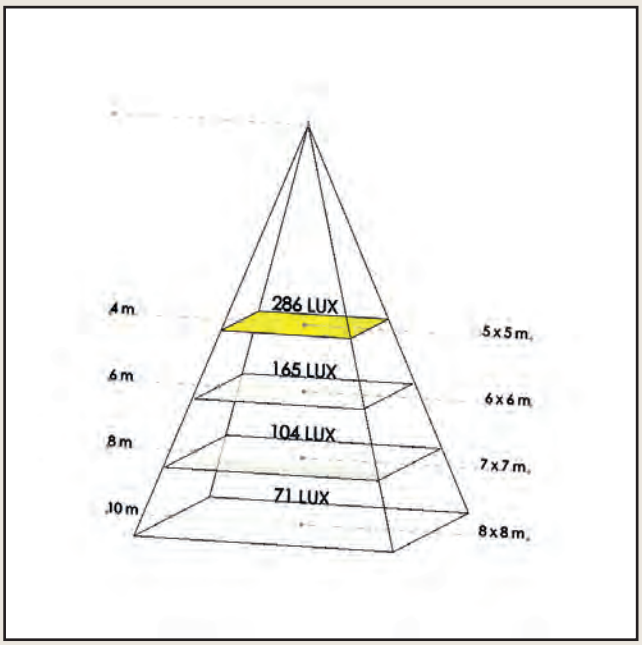
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LED floodlight
SPACEJET HT 80 70°

IP66

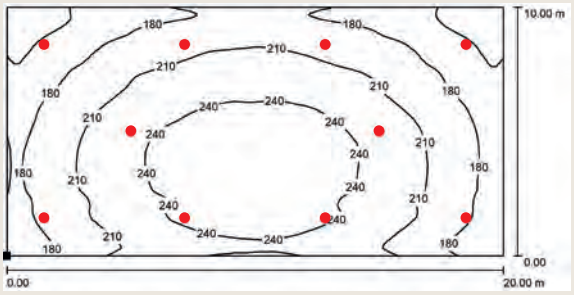
Light emission:



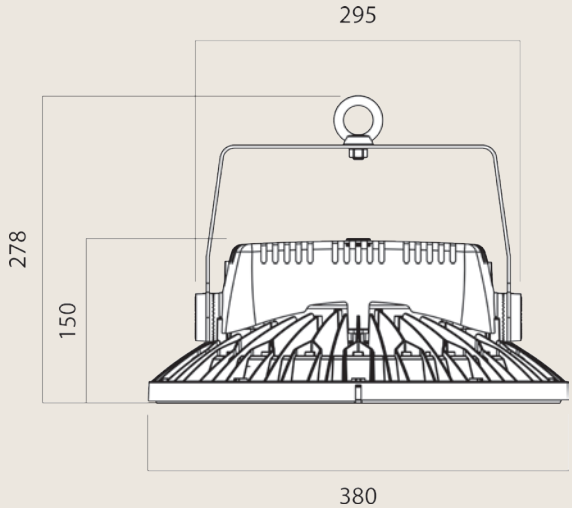


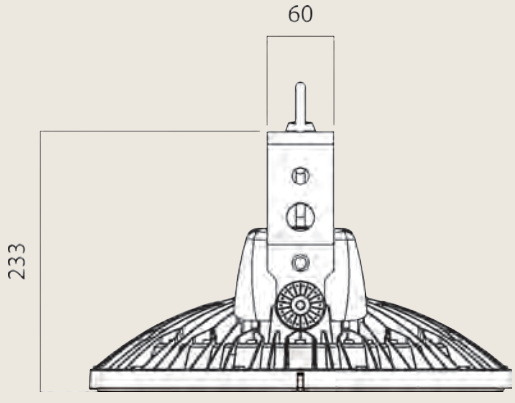
Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 10 SPACEJET 80 70°:



Room height:	18,00	m
Mounting height:	18,00	m
Maintenance factor:	0,80	
Usage level:	0,85	m
E_m:	208,00	Lux
g_1:	0,59	

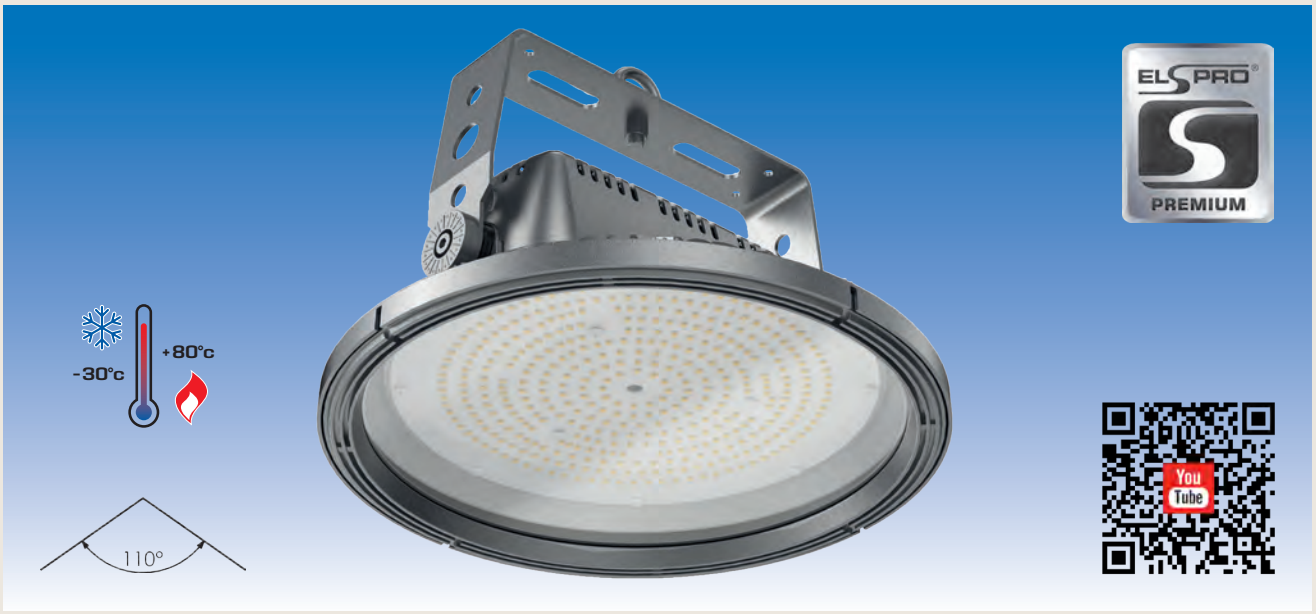




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LED floodlight with DALI control unit
SPACEJET HT 120 110°

IP66



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 240 V AC 50 / 60 Hz	120 W	19.800 **165 lm / W**	5.000 K	233 x 380 mm (Including bracket)	6,3 kg	**ESJDHT120110**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 243 light points evenly distributed over a large area and a beam angle of 110° create a homogeneous light image → Basis for the even illumination of surfaces
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C bis +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spot-light housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 6,3 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with karabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



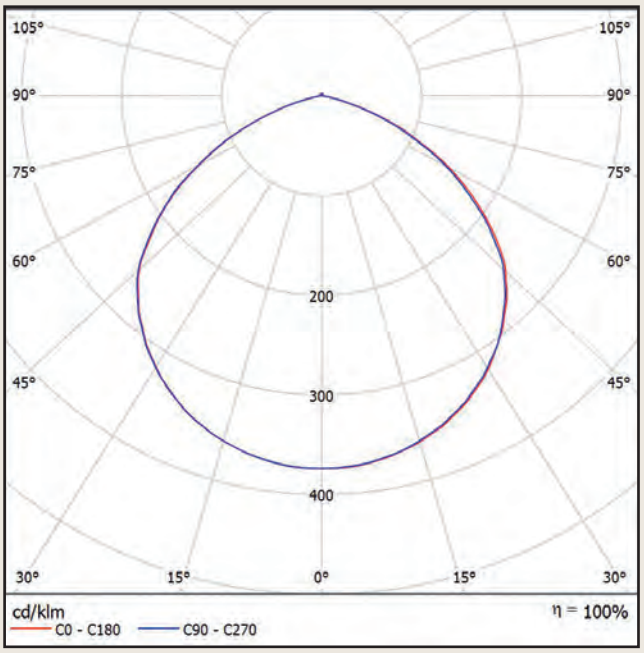
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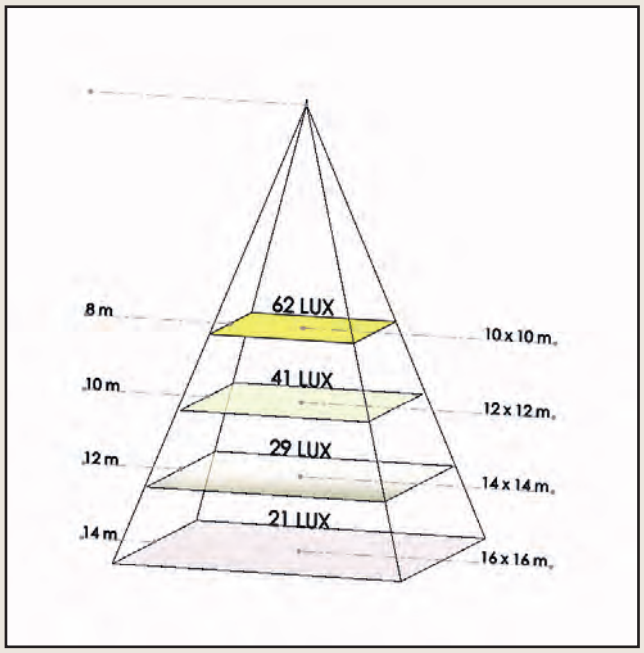
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LED floodlight with DALI control unit
SPACEJET HT 120 110°

IP66

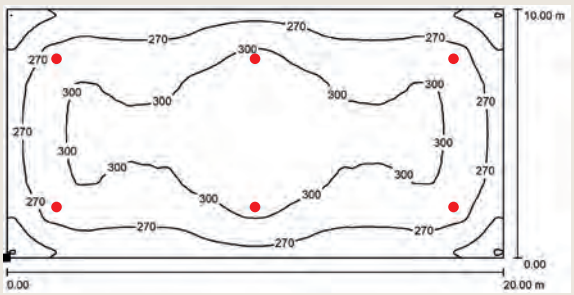
Light emission:



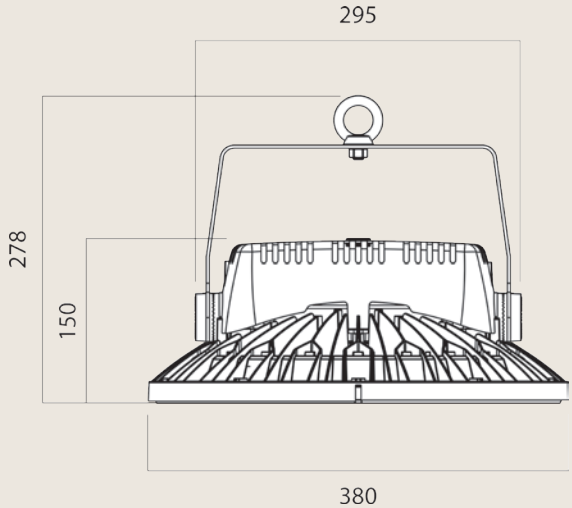


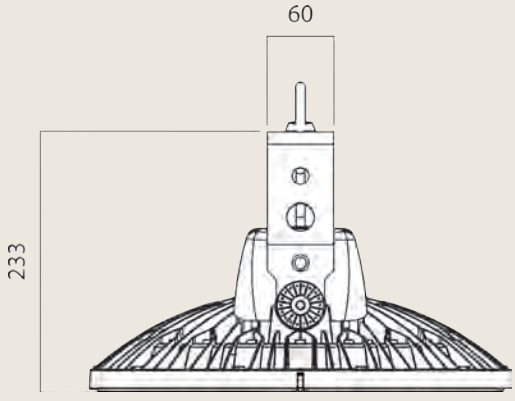
Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 6 SPACEJET 120 110°:



Room height:	8,00	m
Mounting height:	8,00	m
Maintenance factor:	0,80	
Usage level:	0,85	m
E_m:	284,00	Lux
g_1:	0,71	





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LED floodlight with DALI control unit
SPACEJET HT 120 70°

IP66



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 240 V AC 50 / 60 Hz	120 W	19.100 **160 lm / W**	5.000 K	233 x 380 mm (Including bracket)	6,4 kg	**ESJDHT120070**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 160 light points evenly distributed over a large area and a beam angle of 70° create a homogeneous light image → Basis for the even illumination of surfaces
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C bis +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spot-light housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 6,4 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with karabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



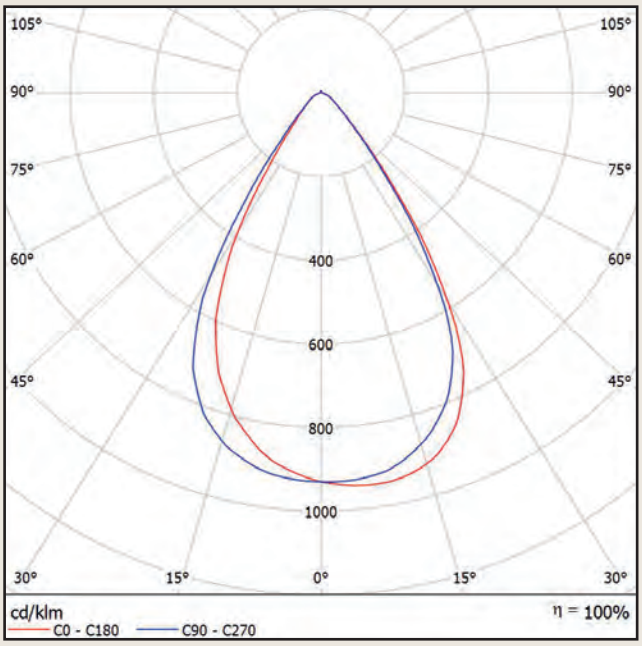
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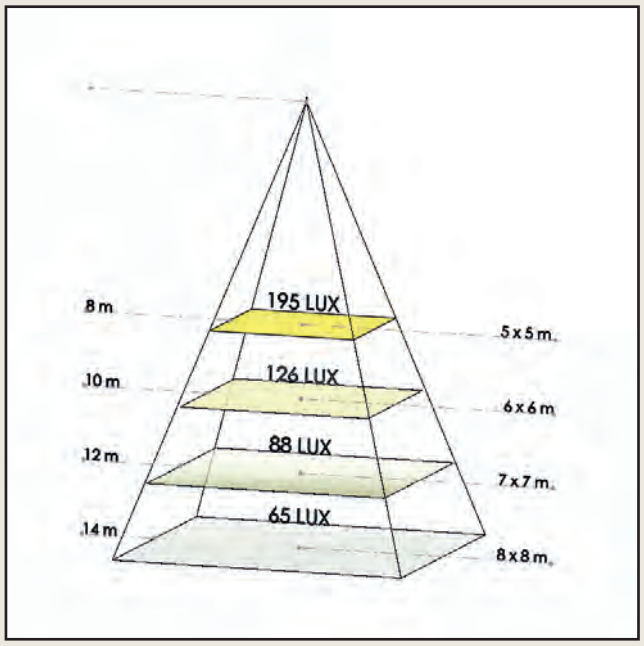
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LED floodlight with DALI control unit
SPACEJET HT 120 70°

IP66

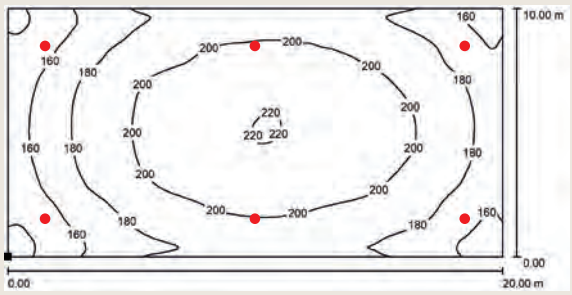
Light emission:



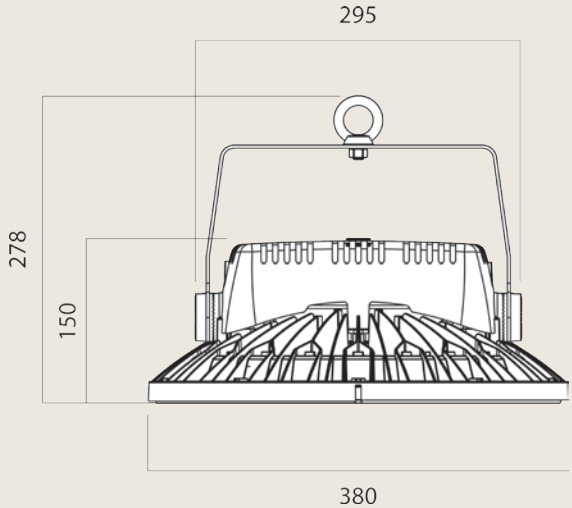


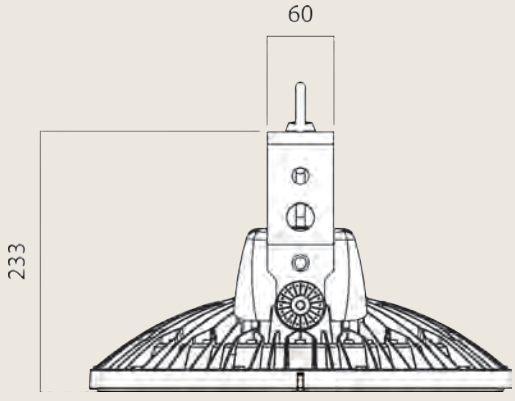
Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 6 SPACEJET 120 70°:



Room height:	18,00	m
Mounting height:	18,00	m
Maintenance factor:	0,80	
Usage level:	0,85	m
E_m:	188,00	Lux
g_1:	0,70	

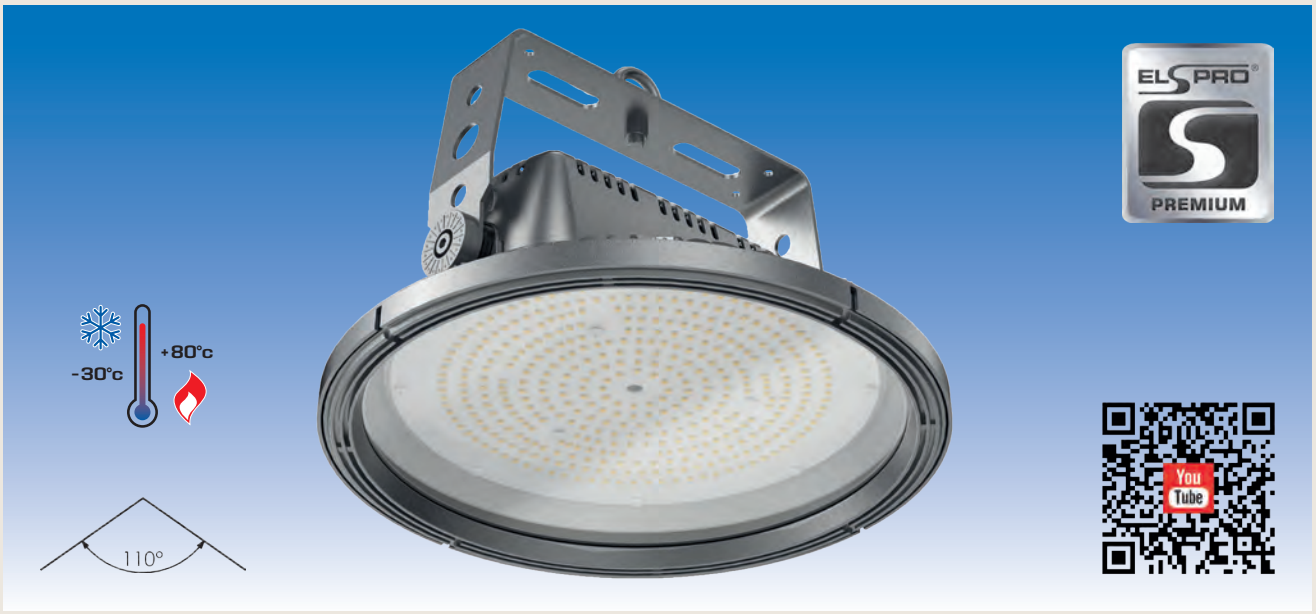




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LED floodlight with DALI control unit
SPACEJET HT 200 110°

IP66



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 240 V AC 50 / 60 Hz	200 W	34.100 **170 lm / W**	5.000 K	233 x 380 mm (Including bracket)	6,3 kg	**ESJDHT200110**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 386 light points evenly distributed over a large area and a beam angle of 110° create a homogeneous light image → Basis for the even illumination of surfaces
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C bis +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spot-light housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 6,3 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with karabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



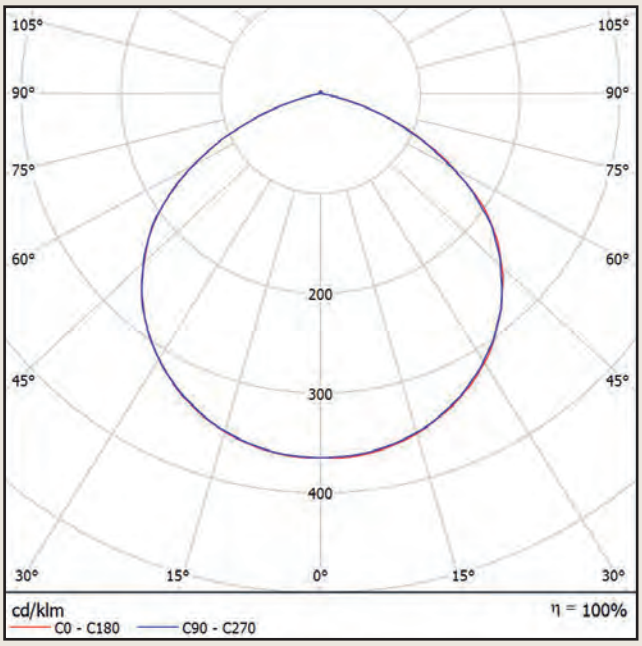
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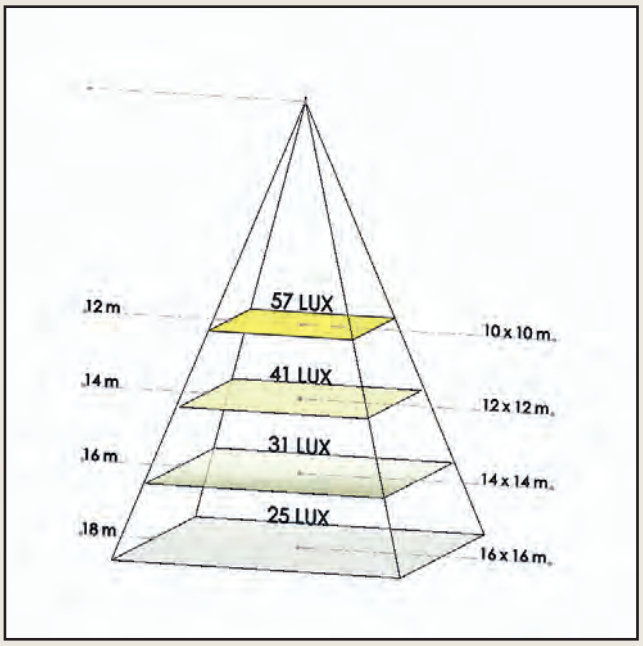
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LED floodlight with DALI control unit
SPACEJET HT 200 110°

IP66

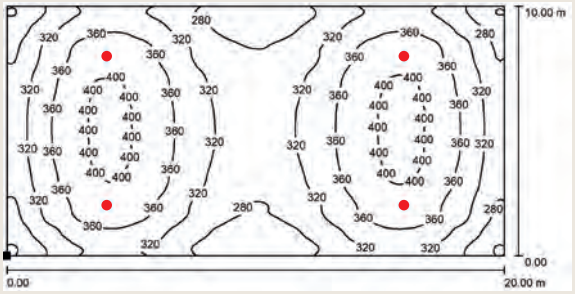
Light emission:



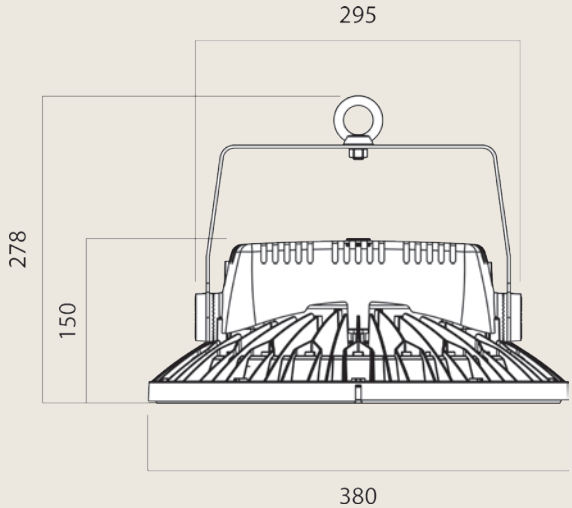


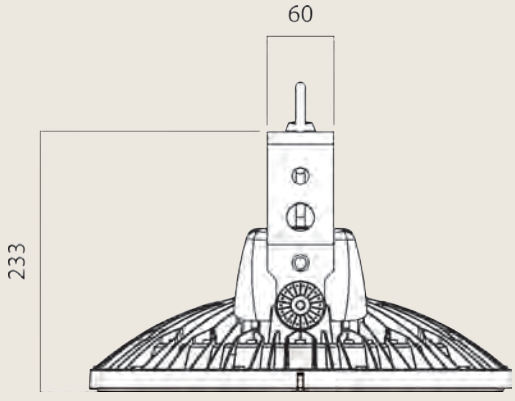
Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 4 SPACEJET 200 110°:



Room height:	8,00	m
Mounting height:	8,00	m
Maintenance factor:	0,80	
Usage level:	0,85	m
E_m:	335,00	Lux
g_1:	0,68	





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LED floodlight with DALI control unit
SPACEJET HT 200 70°

IP66



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 240 V AC 50 / 60 Hz	200 W	30.500 **153 lm / W**	5.000 K	233 x 380 mm (Including bracket)	6,5 kg	**ESJDHT200070**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 160 light points evenly distributed over a large area and a beam angle of 70° create a homogeneous light image → Basis for the even illumination of surfaces
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C bis +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spot-light housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 6,5 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with karabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



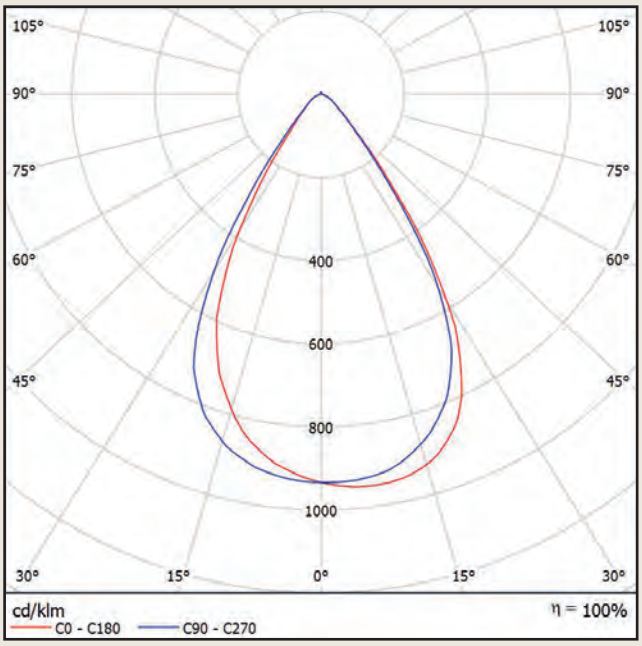
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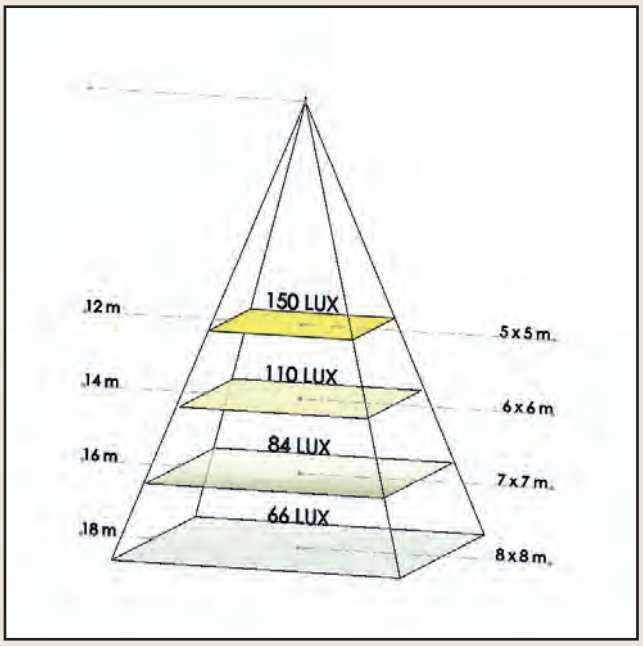
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LED floodlight with DALI control unit
SPACEJET HT 200 70°

IP66

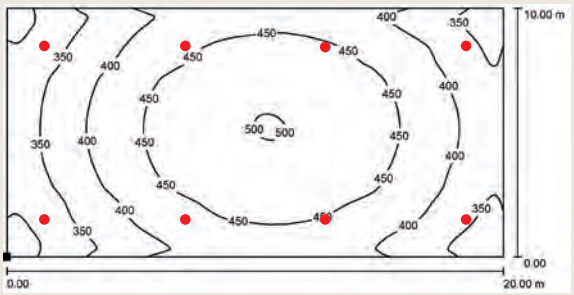
Light emission:



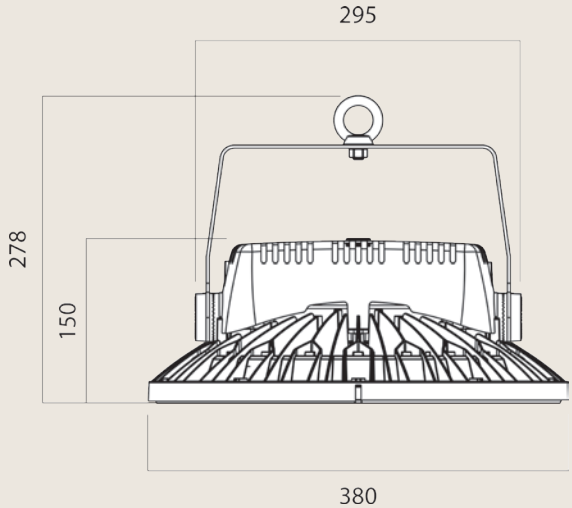


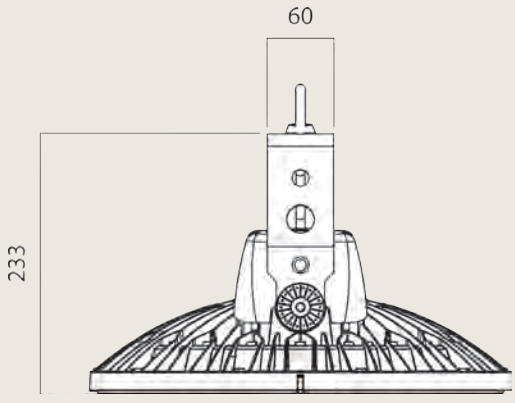
Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 8 SPACEJET 200 70°:



Room height:	18,00	m
Mounting height:	18,00	m
Maintenance factor:	0,80	
Usage level:	0,85	m
E_m:	416,00	Lux
g_1:	0,65	





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LED floodlight with DALI control unit
SPACEJET HT 280 110°

IP66 CE



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 250 V AC / 130 - 250 V DC	280 W	48,700 **174 lm / W**	5,000 K	329 x 485 mm (incl. bracket)	13.5 kg	**ESJDHT280110**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 900 light points evenly distributed over a large area and a beam angle of 110° create a homogeneous light image → Basis for the even illumination of surfaces
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C to +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spotlight housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface and excellent protection against corrosion
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 13.5 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with carabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



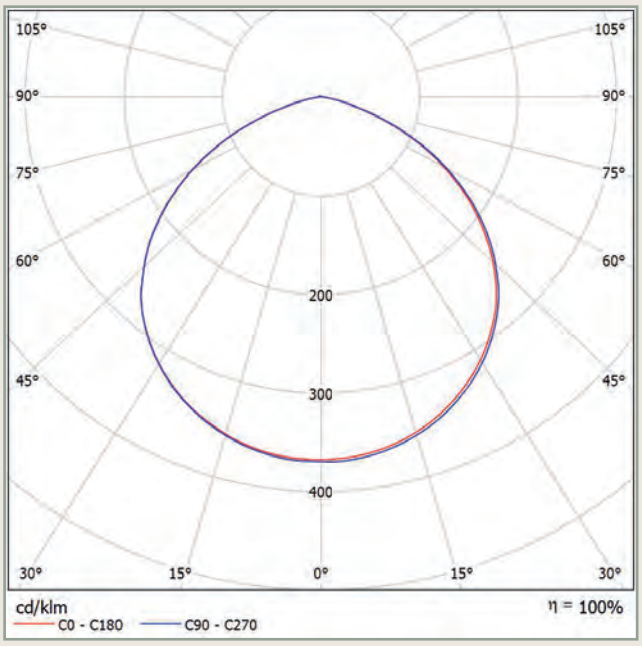
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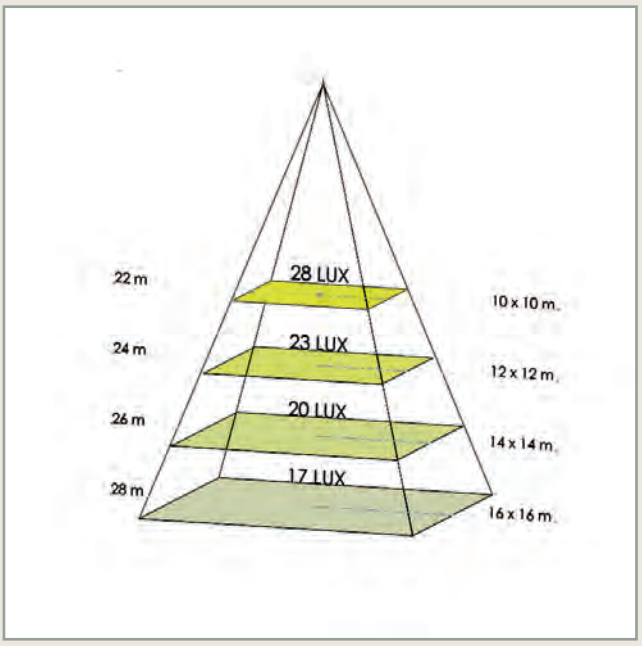
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LED floodlight with DALI control unit
SPACEJET HT 280 110°

IP66

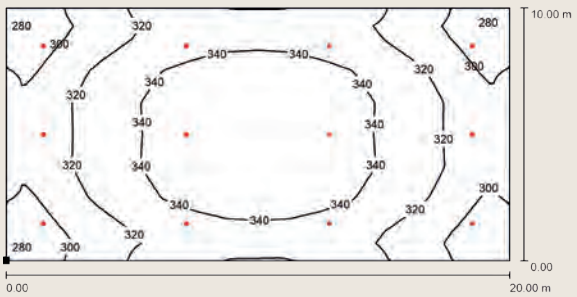
Light emission:



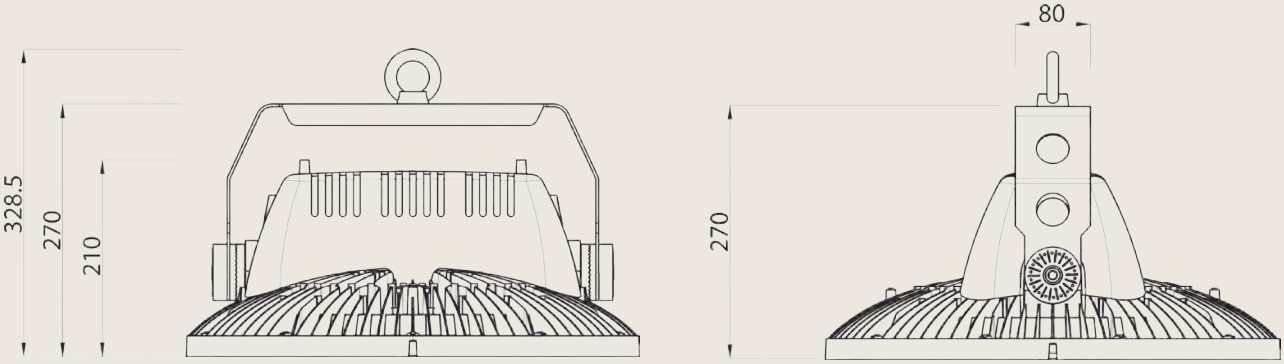


Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 12 SPACEJET HT 280 110°:



Room height:	28.00	m
Mounting height:	28.00	m
Maintenance factor:	0.80	
Usage level:	0.85	m
E_m:	326.00	Lux
g_1:	0.85	



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LED floodlight with DALI control unit
SPACEJET HT 300 70°

IP66 CE



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 250 V AC / 130 - 250 V DC	300 W	49,400 **165 lm / W**	5,000 K	329 x 485 mm (incl. bracket)	13.7 kg	**ESJDHT300070**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 288 light points evenly distributed over a large area and a beam angle of 70° create a homogeneous light image → Basis for the focused illumination of areas from a great height
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C to +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spotlight housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface and excellent protection against corrosion
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 13.7 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with carabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



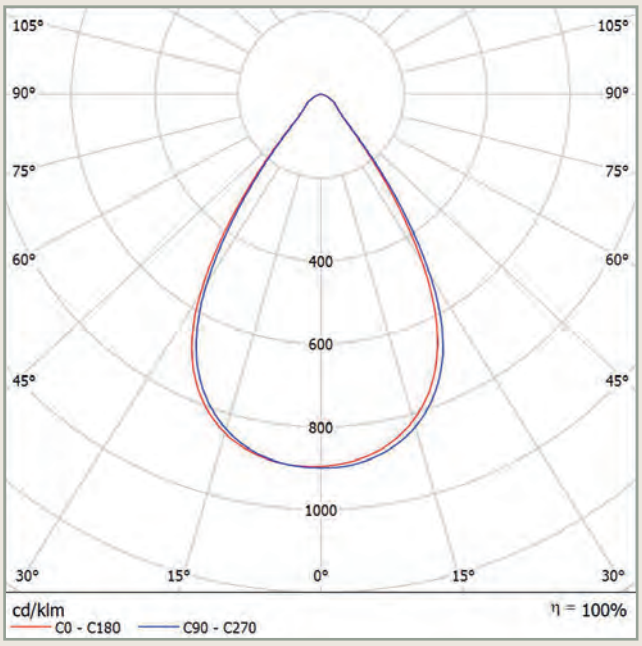
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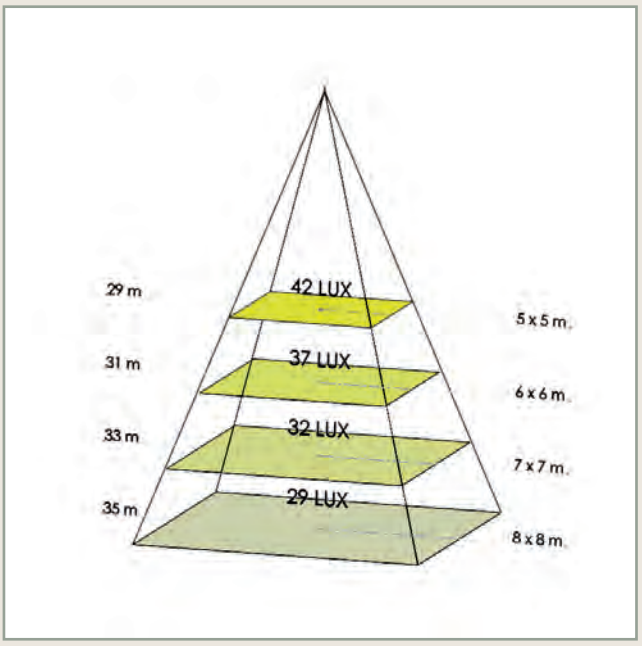
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LED floodlight with DALI control unit
SPACEJET HT 300 70°

IP66

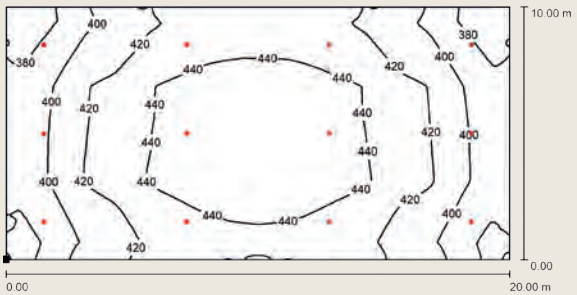
Light emission:



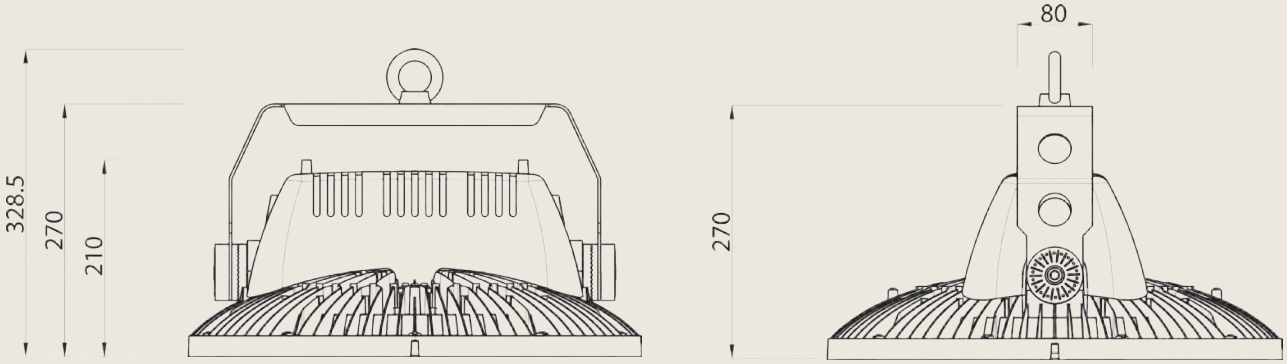


Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 12 SPACEJET HT 300 70°:



Room height:	35.00	m
Mounting height:	35.00	m
Maintenance factor:	0.80	
Usage level:	0.85	m
E_m:	421.00	Lux
g_1:	0.86	



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LED floodlight with DALI control unit
SPACEJET HT 360 110°

IP66



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 250 V AC / 130 - 250 V DC	360 W	60,400 **168 lm / W**	5,000 K	329 x 485 mm (incl. bracket)	13.5 kg	**ESJDHT360110**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 900 light points evenly distributed over a large area and a beam angle of 110° create a homogeneous light image → Basis for the even illumination of surfaces
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C to +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spotlight housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface and excellent protection against corrosion
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 13.5 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with carabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



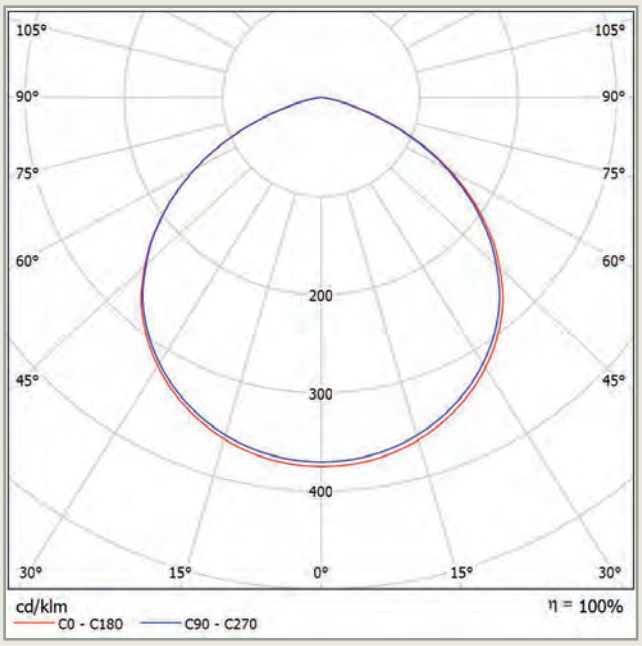
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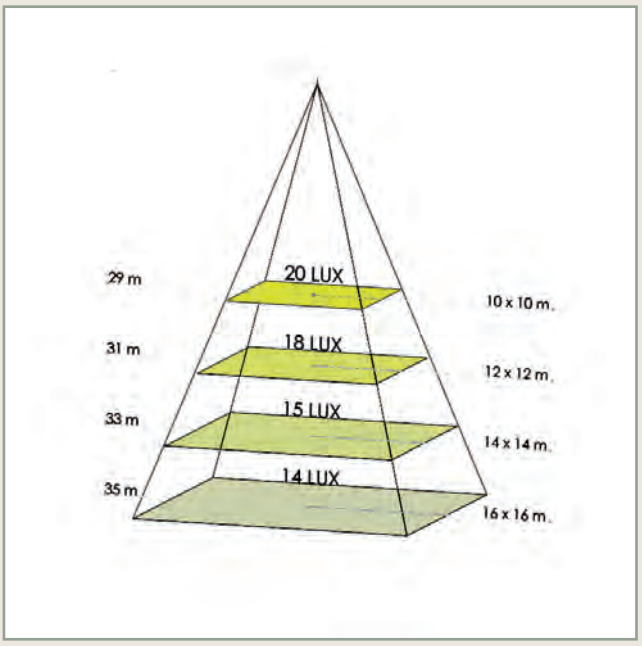
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LED floodlight with DALI control unit
SPACEJET HT 360 110°

IP66

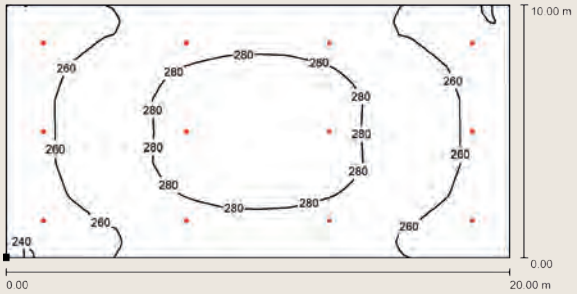
Light emission:



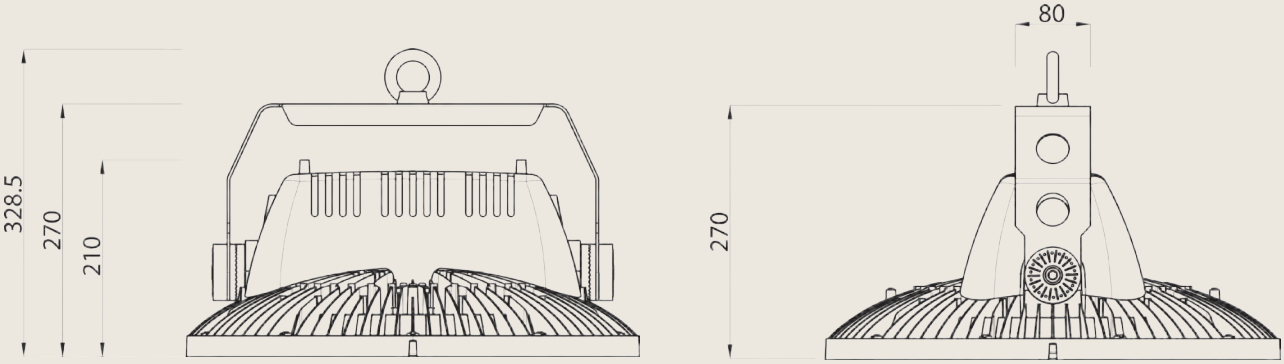


Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 12 SPACEJET HT 360 110°:



Room height:	35.00	m
Mounting height:	35.00	m
Maintenance factor:	0.80	
Usage level:	0.85	m
E_m:	269.00	Lux
g_1:	0.87	



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LED floodlight with DALI control unit
SPACEJET HT 380 70°

IP66 CE



CONFIGURATIONS:

Voltage	Power	Luminous flux	Colour temperature	Dimensions (H x Ø)	Weight	Order no.
100 - 250 V AC / 130 - 250 V DC	380 W	60,200 **158 lm / W**	5,000 K	329 x 485 mm (incl. bracket)	13.7 kg	**ESJDHT380070**

SPECIAL FEATURES:

- Highly efficient Samsung LEDs with 288 light points evenly distributed over a large area and a beam angle of 70° create a homogeneous light image → Basis for the focused illumination of areas from a great height
- **LED lifespan L90B10 - 50,000 hours**
- LED driver with overheating and overvoltage protection → Cost savings
- Ambient temperature: **-30°C to +80°C** → Can also be used with large temperature fluctuations indoors and outdoors
- Protection class: **IP 66** → dustproof and protected against strong water jets
- LED driver is housed in an extra housing on the spotlight housing for easy installation → No negative interactions due to heating
- Die-cast aluminium housing **with special chromate powder coating** → Optimised reduction of dust deposits on the surface and excellent protection against corrosion
- High number of cooling fins → Excellent heat management - prerequisite for the long service life of the LEDs of up to 50,000 hours - COST SAVINGS
- The low weight of only 13.7 kg (aluminium housing) and strong mounting bracket including eye-bolts allows for easy and reliable ceiling or wall mounting An additional safety wires with carabiner hooks are included. → Double protection - double safety
- The connection is made via a flexible cable (80 cm) with stripped ends
- Power factor > 0,9
- Colour rendering index CRI ≥ 80
- Protection class 1
- Shock resistance IK 08
- with DALI control unit



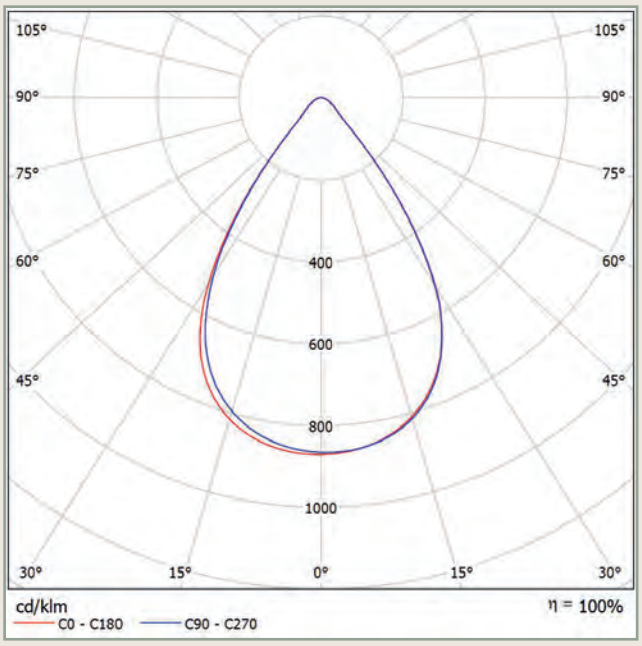
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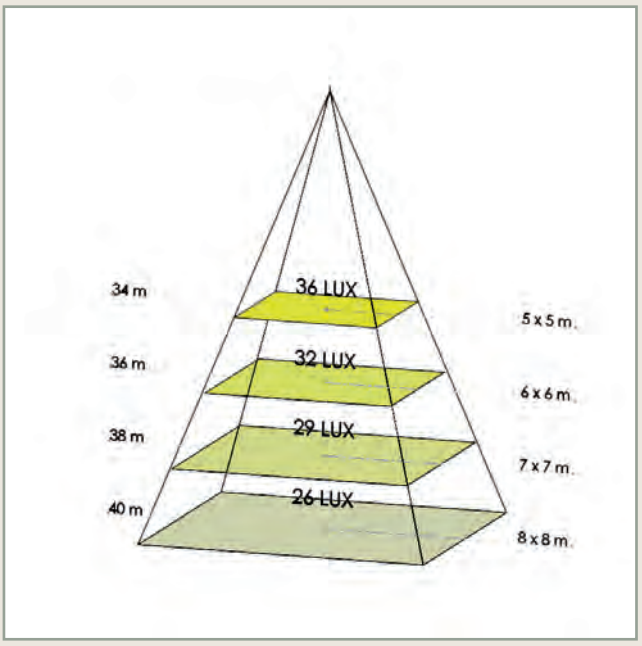
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LED floodlight with DALI control unit
SPACEJET HT 380 70°

IP66

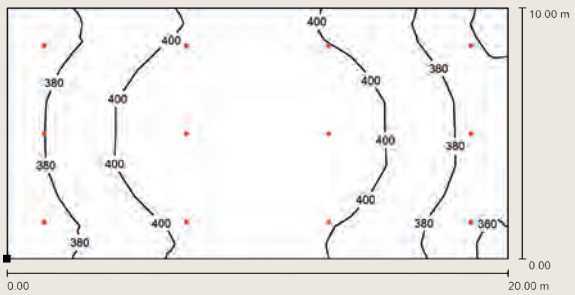
Light emission:



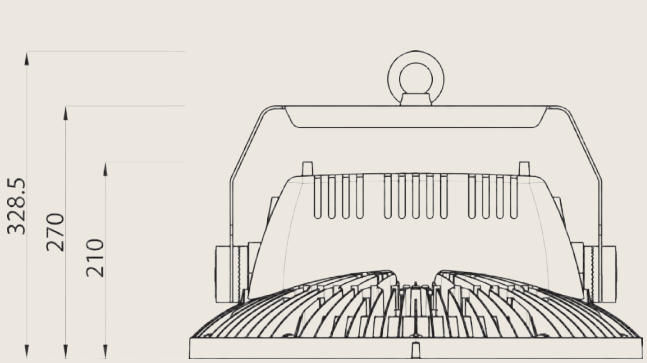


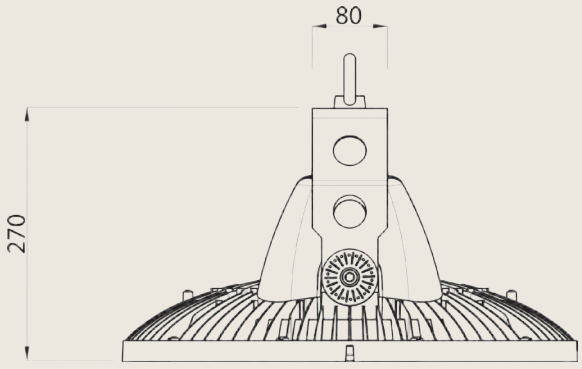
Please note: The lux values shown are average values of the specified area without taking into account the reflection from walls, ceilings and floors. The real values may be higher.

Application example 12 SPACEJET HT 380 70°:



Room height:	40.00	m
Mounting height:	40.00	m
Maintenance factor:	0.80	
Usage level:	0.85	m
E_m:	393.00	Lux
g_1:	0.90	

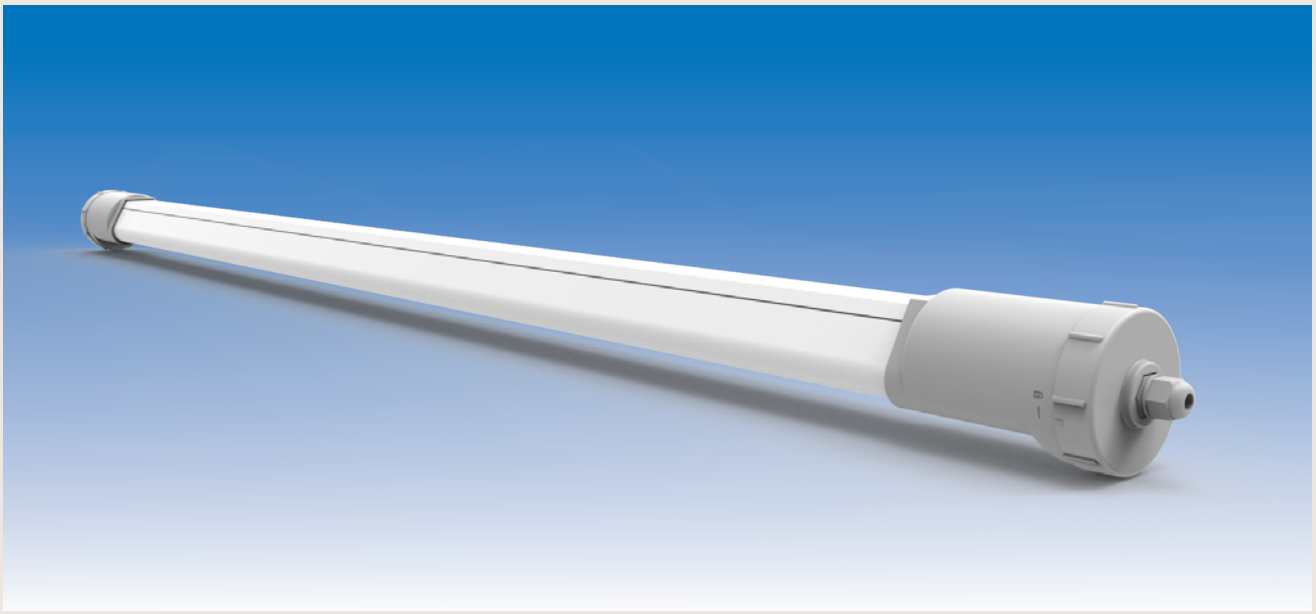




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ELSPRO LED Linear Lighting Type KLF 2.0

IP66



Voltage	Output	Number of Poles	Cable Gland	Luminous Flux	Colour Temperature	Beam Angle	Length	Weight	Order No.
220 - 240 V AC	25 W	2 pole	M20	4,000 lm	4,000 K	110°/150°	1,200 mm	1.0 kg	**KLF25**
		3 pole							**KLF25/3P**
	38 W	2 pole		6,080 lm			1,600 mm	1.4 kg	**KLF38**
		3 pole							**KLF38/3P**
	58 W	2 pole		9,280 lm				1.6 kg	**KLF58**
		3 pole							**KLF58/3P**
		5 pole							**KLF58/5P**

SPECIAL FEATURES:

- **160 Lumen / Watt** → highly efficient LED technology: high luminous efficacy with low energy consumption
- color rendering index CRI > 80
- life-time: L90B10 > 50,000 hours → designated long-life cycle
- protection class: IP 66 → dustproof and water-jet-proof
- housing made of polycarbonate → IK10, impact-resistant (protection against impacts with an impact energy of up to 20 joules)
- ambient temperature: -30°C to +50°C (KLF58/5P: -30°C to +40°C) → also suited for use when temperatures greatly fluctuate in both indoor and outdoor areas
- including two movable mounting clips with easy-click fixation made from stainless steel → convenient installation
- optional mounting clips with safety screws (Order No.: KLF/MKS) → anti-vandalism
- 2 pole and 3 pole through-wiring with connection terminal up to 2.5 mm² or 5 pole through-wiring with connection terminal up to 1.5 mm² → number of linking luminaires per circuit depending on model (permanently installed)
  - KLF25 / KLF25/3P: up to 53 luminaires
  - KLF38 / KLF38/3P: up to 35 luminaires
  - KLF58 / KLF58/3P: up to 23 luminaires
  - KLF58/5P: up to 18 luminaires

- other models on request / subject to modification and errors -

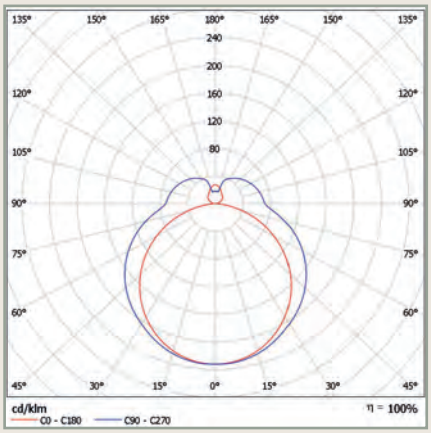
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ELSPRO LED Linear Lighting Type KLF 2.0

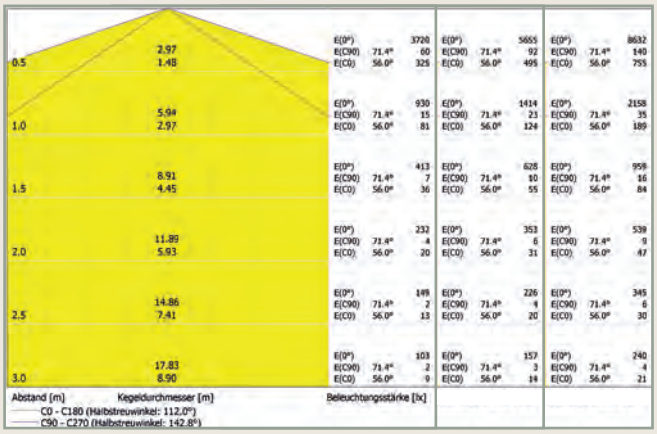
IP66



LIGHT EMISSION:

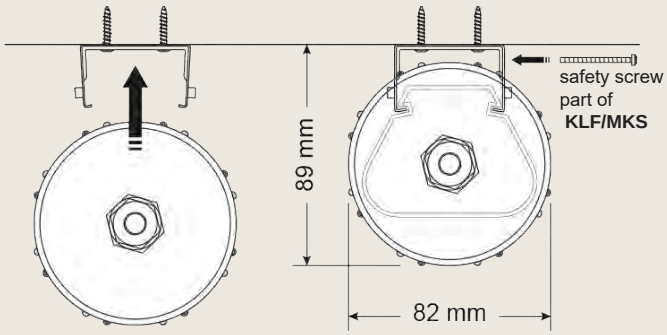


Horizontal: 110° / Vertical: 150°



	KLF25	KLF38	KLF58
0.5	2.97 / 1.48		
1.0	5.94 / 2.97		
1.5	8.91 / 4.45		
2.0	11.89 / 5.93		
2.5	14.86 / 7.41		
3.0	17.83 / 8.90		

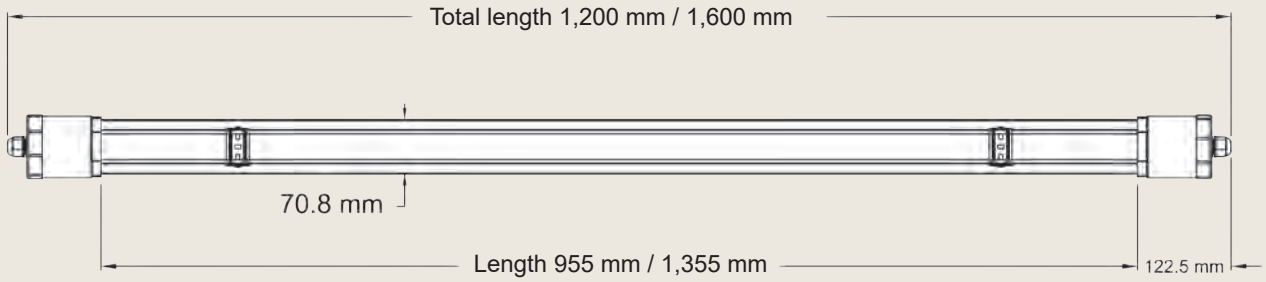
MOUNTING OPTIONS:



ACCESSORIES:

	Order No.
2 pieces mounting clips with safety screw	**KLF/MKS**
2 pieces end-caps with cable gland M20 (cable diameter 6 - 12 mm)	**KLF/KAPSETM20**

DIMENSIONS:

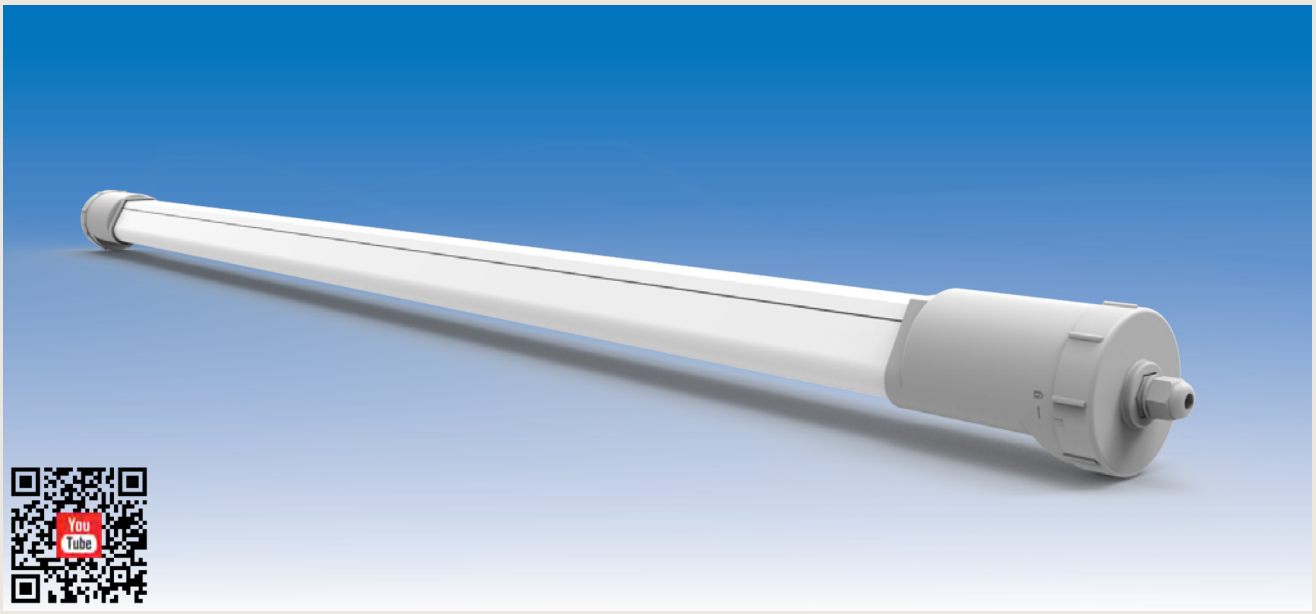


– other models on request / subject to modification and errors –

09.25

ELSPRO LED linear light fitting type KLF with programmable motion/daylight sensors

CE IP66



MODELS:

Voltage	Power	Number of poles	Screw connection	Luminous flux	R_a	Beam angle	Length	Weight	Order no.
220 - 240 V AC	45 W	3 pole	M20	5,600 lm	> 80	110°/127°	1,200 mm	1.5 kg	**KLF45/3P/DIM**

CONFIGURATIONS:

- up to 125 lm/W → high light output
- Colour temperature: 4,000 K → similar to daylight
- Service life L90B10 (up to 50,000 hours) → proven longevity
- Protection class: IP66 → dustproof and resistant to powerful jets of water
- Polycarbonate housing → IK10, mechanical resistance (protection against impacts up to 20 joules)
- Ambient temperature: -20°C to +40°C → Can also be used with large temperature fluctuations indoors and outdoors
- Including mounting clamps with stainless steel snap lock → simple attachment
- Mounting brackets including locking screws available as accessories (item no.: KLF/MKS) → Protection against vandalism
- 3-pole through-wiring with a connection terminal up to 2.5 mm² → up to 7 lights can be connected per circuit (permanently installed)
- including remote control for programming the motion and daylight sensors → Factory presets:
  100% sensitivity of the motion sensor,
  100% light intensity for a period of 5 seconds,
  then 25% light intensity for an unlimited period,
  inactive daylight sensor
- Variable programming possible via the remote control
  → Motion sensor sensitivity: 25 / 50 / 75 / 100%
  → Duration of 100% light intensity after the movement ends:
  5 sec. / 30 sec. / 3 min. / 30 min.
  → Duration of 25% light intensity until switching off:
  0 sec. / 1 min. / 10 min. / + ∞ (unlimited duration)
  → Daylight sensor: 5 lx / 30 lx / 150 lx / deactivated

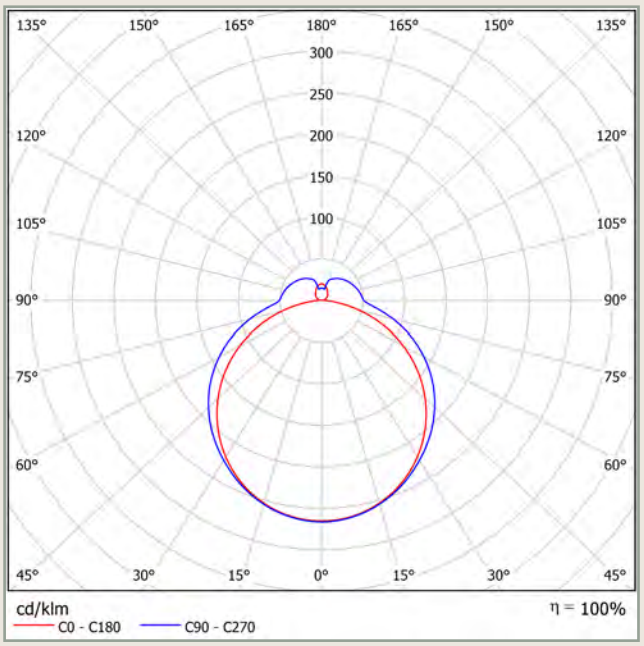
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ELSPRO LED linear light fitting type KLF with programmable motion/daylight sensors

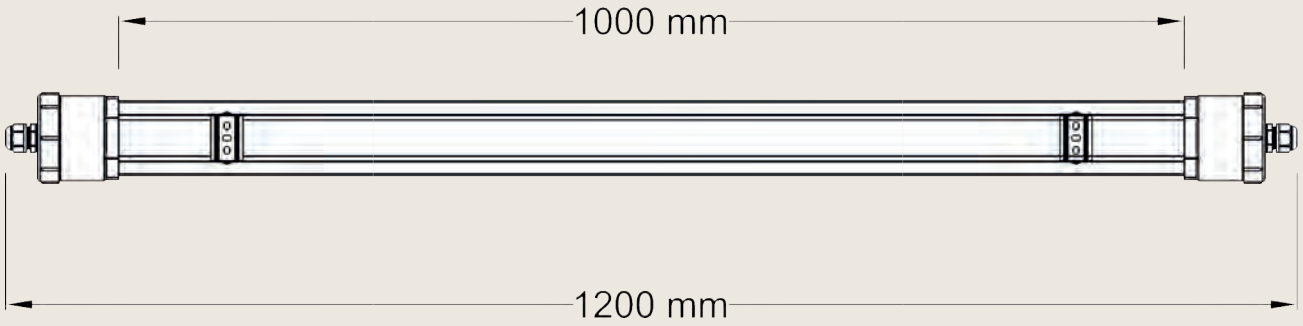
CE IP66

LIGHT OUTPUT KLF45/3P/DIM:

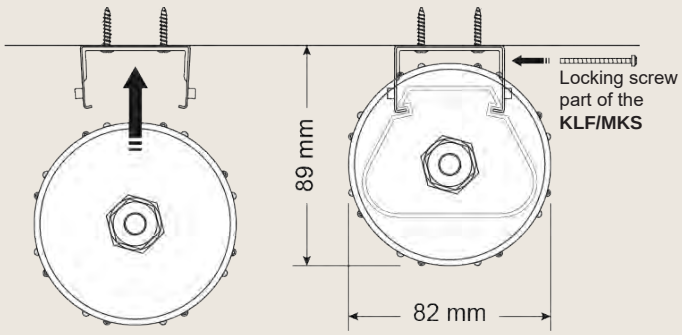


Horizontal: 110° / Vertical: 127°

DIMENSIONS:



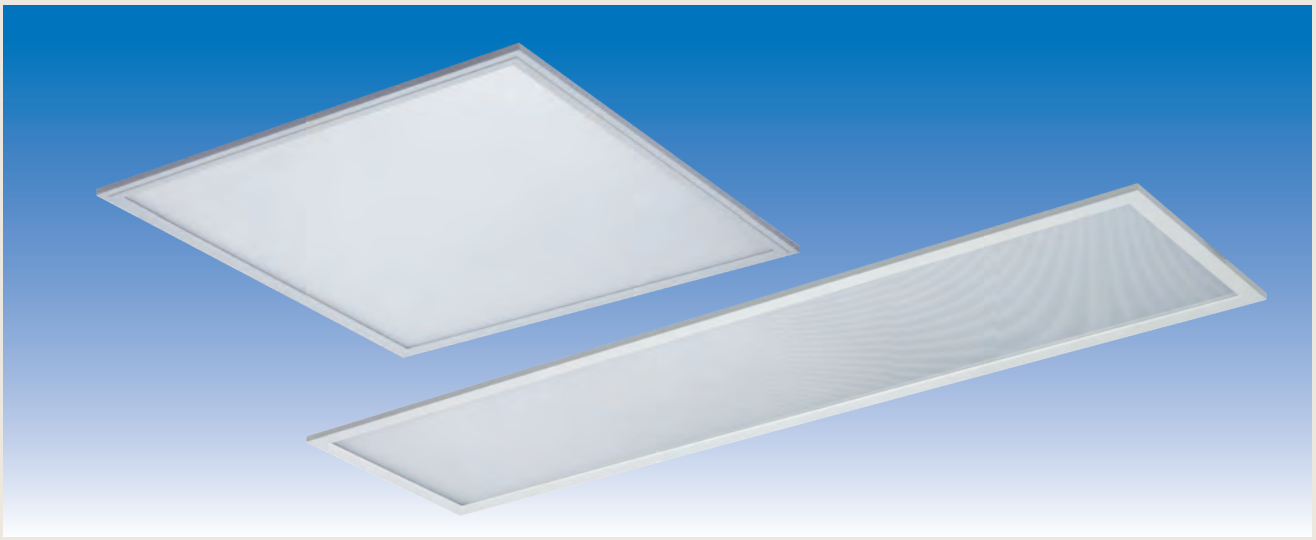
MOUNTING OPTIONS:



ACCESSORIES:	Order no.
2 mounting clamps with locking screw	**KLF/MKS**
2 end caps with M20 cable gland for a cable cross-section of 2.5mm²	**KLF/KAPSETM20**

– other models on request / subject to modification and errors –

LED-Panel



CONFIGURATIONS:

Voltage	Power	Luminous flux	UGR	Beam angle	Dimensions (L x W x H)	Weight	Order no.
220 - 240 V AC	24 W 27 W 31 W 34 W	4.000 lm 4.600 lm 5.200 lm 5.700 lm	< 17,9 < 18,3 < 18,7 < 19,1	120°	620 x 620 x 33 mm	2,0 kg	**EPL620X620**
	24 W	4.000 lm	< 17,9				**EPL620X620DIM**
							EPL620X620DALI
	24 W 27 W 31 W 34 W	4.000 lm 4.600 lm 5.200 lm 5.700 lm	< 17,9 < 18,3 < 18,7 < 19,1		1.200 x 300 x 33 mm	2,0 kg	**EPL1200X300**
	24 W	4.000 lm	< 17,9				**EPL1200X300DIM**
							EPL1200X300DALI

With our LED panels you can illuminate your rooms efficiently and sustainably. This allows you to reduce energy and maintenance costs and create a productive working environment.

SPECIAL FEATURES:

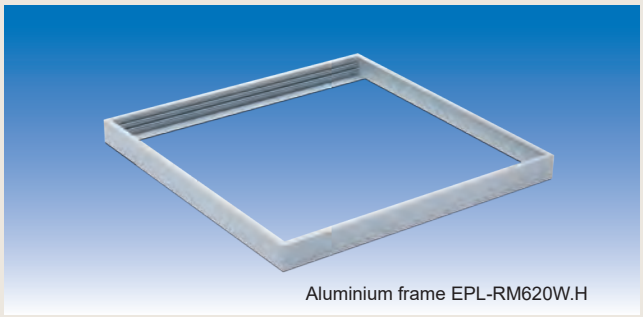
- 96 Backlit-LEDs → even light diffusion and uniform light pattern thanksto Backlit-Technology
- luminous flux of 4,000 lm with 24 W powerconsumption → luminous efficacy 167 lm / W
- colour temperature: 4,000 K - neutral white → ideal as workplace lighting
- also available with dimmable power supply unit or driver with DALI standard → individual brightness adjustment
- highly low glare value of UGR < 18 → Suitable for VDU workstations
- beam angle 120° → excellent general lighting
- **power customisable via DIP switch** → individual adjustment of brightness
- standardised dimensions → ideal for use in suspended ceilings
- Power factor > 0.9 → low power loss
- CRI ≥ 80 → high colourrendering index
- ambient temperature -20°C to +40°C
- LED panel with white aluminium frame
- impact-resistant diffuser disc made of polypropylene with special honeycomb structure → optimum lightdistribution

– other models on request / subject to modification and errors –

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LED-Panel





Aluminium frame EPL-RM620W.H



Aluminium frame EPL-RM1200W.D



EPL-4XBFC mounting clips

Accessories and spare parts	Order no.
Power supply unit 2-pin / 230 V / with supply cable LED driver (constant current) 650 - 950 mA dimmable, DIP ON-OFF Output 24 - 34 W	**EPL-NT.D**
Power supply unit 2-pin / 230 V / with supply cable LED driver (constant current) 950 mA dimmable 1-10 V Output 34 Watt	**EPL-NTD.H**
Power supply unit 2-pin / 230 V / with supply cable LED driver (constant current) 900 mA dimmable with DALI-2-Standard Output 34 Watt	**EPL-NTDA.H**
Aluminium frame for surface mounting for EPL620X620 Housing material Aluminium white Dimensions (L x W x H) 620 x 620 x 63 mm	**EPL-RM620W.H**
Aluminium frame for surface mounting for EPL1200X300 Housing material Aluminium white Dimensions (L x W x H) 1.200 x 335 x 67 mm	**EPL-RM1200W.H**
LED panel mounting clips x4	**EPL-4XBFC**
LED panel hanging kit system 4 x 1 m steel cable 4 x mounting accessories for the ceiling	**EPL-4XAHS**

– other models on request / subject to modification and errors –

LED Trough Light
EXTRA-P



MODELS:

Voltage	Power	Luminous flux	T_a max	Dimensions	Weight	Order no.
220-240 V AC 50/60 Hz, 220-240 V DC	8.5 W	1,382 lm	≤+50°C	670 x 155 x 105 mm	1.84 kg	**EXTRA-P-64163**
	14.4 W	2,249 lm			1.64 kg	**EXTRA-P-64164**
	28.9 W	4,478 lm			1.98 kg	**EXTRA-P-64165**
	16.9 W	2,765 lm	≤+60°C	1,280 x 155 x 105 mm	3.25 kg	**EXTRA-P-64253**
	26.4 W	4,159 lm	≤+50°C			**EXTRA-P-64255**
	52.9 W	8,280 lm	≤+45°C		3.35 kg	**EXTRA-P-64257**
	19.7 W	3,267 lm	≤+60°C	1,580 x 155 x 105 mm	3.99 kg	**EXTRA-P-64493**
	39.7 W	6,239 lm	≤+50°C		4.02 kg	**EXTRA-P-64495**
	64.1 W	10,230 lm	≤+45°C		4.12 kg	**EXTRA-P-64497**
	85.1 W	13,797 lm	≤+35°C		3.70 kg	**EXTRA-P-64498**
	103.6 W	16,446 lm			4.12 kg	**EXTRA-P-64499**

- Versions with DALI-2 control and 3-hour battery emergency lighting function available on request -

SPECIAL FEATURES:

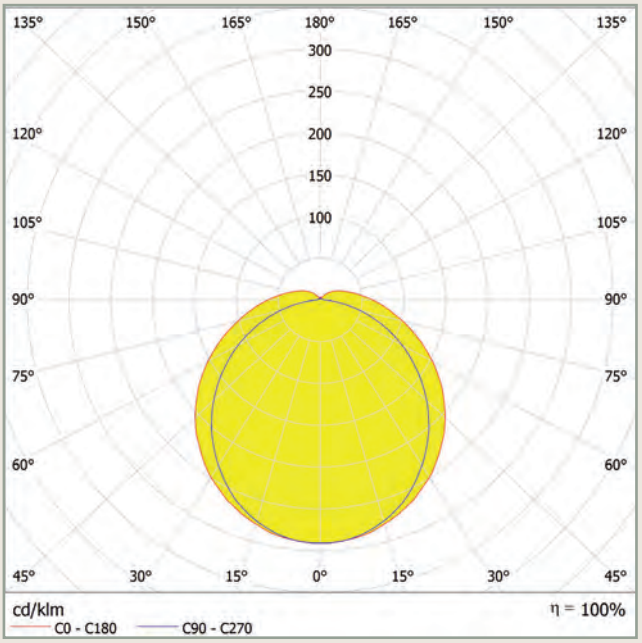
- High-power LED with up to 166 lm/W. → High light output
- Light colour 4,000 K. → Neutral white (5.000 K - 6,500 K on request)
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L90B50 Ta 25- up to 110,000 hours → Proven longevity
- Polycarbonate housing and cover, stainless steel diffuser clips → IK10, resistant to mechanical stress (protection against impacts with an impact energy of up to 20 joules)
- Includes two stainless steel brackets for wall and ceiling mounting as standard → Easy installation on the ceiling or wall of the room to be illuminated
- Cable gland M20 (alternatively M25) → Line diameter of 7-13 mm
- Protection class 1
- IP 66 / IP 67 → Dust-tight and protected against water jets
- Ambient temperature: -30°C≤T_a≤ see table → Use at elevated ambient temperatures and large temperature fluctuations
- Optionally with single-phase or three-phase through-wiring

– Further models on request / subject to change and error –

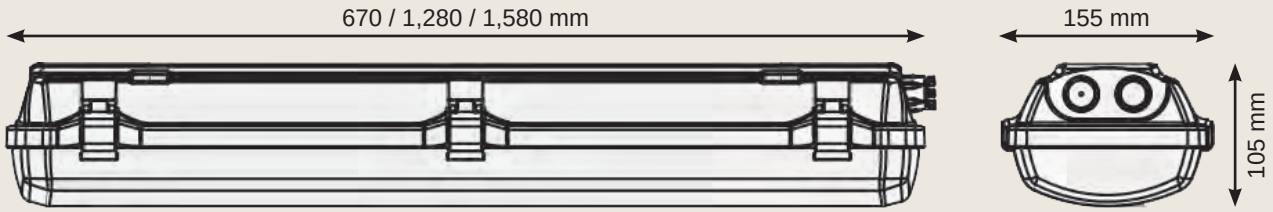
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LED Trough Light
EXTRA-P

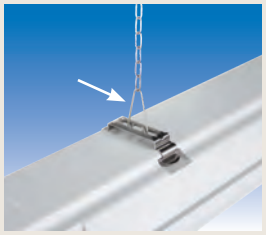
LIGHT EMISSION:



DIMENSIONS:



ACCESSORIES:



Wire hanger set (2 pcs) for chain suspension (without chain)
EXV005/SET



Set of 45° metal brackets for wall mounting (2 pcs.)
EXV006



Self-locking cable suspension (2 pcs. à 3 m)
EXV007



Clamp set (2 pcs.) for mounting on a boom with Ø 50 mm
EXV008/SET

– Further models on request / subject to change and error –

LED Surface Light
AQUA-70-LED



MODELS:

Voltage	Power	Luminous flux	T_a max	Dimensions	Weight	Order no.
230 V AC	17 W	1,903 lm	≤+50°C	780 x Ø 70 mm	1.6 kg	**AQUA-084130**
	35 W	3,806 lm	≤+40°C	1,270 x Ø 70 mm	2.4 kg	**AQUA-084131**
	52 W	5,709 lm		1,740 x Ø 70 mm	3.1 kg	**AQUA-084132**

- Models with emergency power or dimming function on request -

SPECIAL FEATURES:

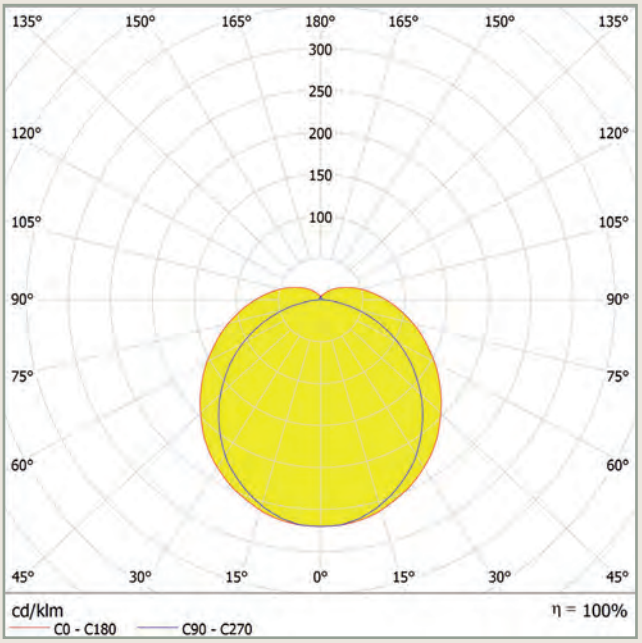
- High-power LED with up to 112 lm/W. → High light output
- Light colour 4,000 K. → Neutral white (2,700 - 6,500 K on request)
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L80B10 TA30 - up to 70,000 hours → Proven longevity
- Polycarbonate tube with 4 mm wall thickness → IK10, resistant to mechanical stress (protection against impacts with an impact energy of up to 20 joules)
- Direct mounting using mounting clamps (not included) or suspension → Easy installation on the ceiling or wall of the room to be illuminated
- Cable gland M20 → Line diameter of 6-13 mm
- Protection class I.
- IP 69 → Dust and waterproof
- Ambient temperature: -20°C ≤ T_a ≤ see table → Use at elevated ambient temperatures and large temperature fluctuations
- Optionally with single-phase or three-phase through-wiring

– Further models on request / subject to change and error –

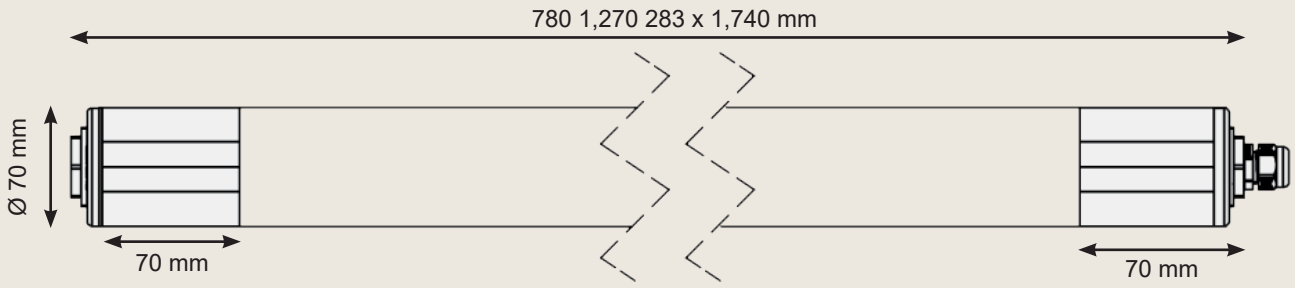
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LED Surface Light
AQUA-70-LED

LIGHT EMISSION:



DIMENSIONS:



ACCESSORIES:



Mounting clamps stainless steel (2 pcs.)

EXV009/SET



Mounting clamps plastic dark grey (2 pcs.)

EXV010/SET

– Further models on request / subject to change and error –

07.22

LED Trough Light
EXTRA-LED-PLUS/FROST



MODELS:

Voltage	Power	Luminous flux	T_a max	Dimensions	Weight	Order no.
230 V AC	28 W	4,347 lm	≤+70°C	1,280 155 283 x 105 mm	7.1 kg	**EXTRA-PLUS/FROST-28**
	56 W	8,694 lm	≤+60°C		7.0 kg	**EXTRA-PLUS/FROST-56**
	26 W	4,221 lm	≤+70°C	1,580 155 283 x 105 mm	8.1 kg	**EXTRA-PLUS/FROST-26**
	43 W	6,776 lm	≤+65°C			**EXTRA-PLUS/FROST-43**
	69 W	10,911 lm	≤+60°C		8.3 kg	**EXTRA-PLUS/FROST-69**

- Models with dimming function on request -

SPECIAL FEATURES:

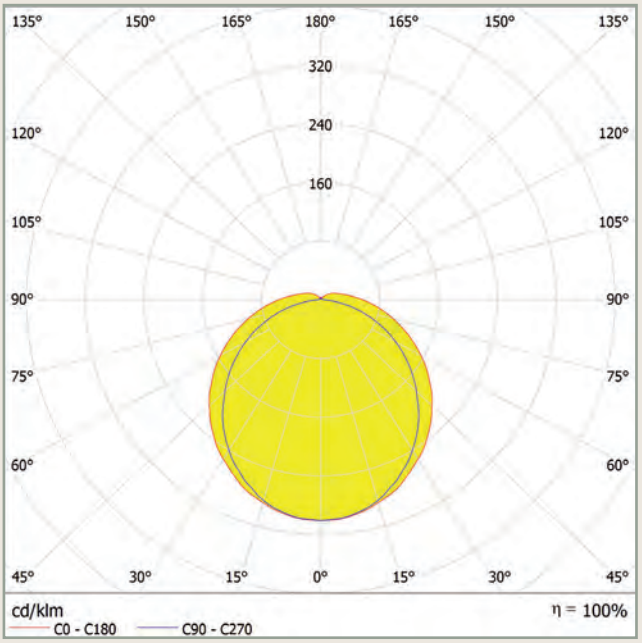
- High-power LED with up to 162 lm/W. → High light output
- Light colour 4,000 K. → Neutral white (2,700 K - 6,500 K on request)
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L80B10 TA30 - up to 70,000 hours → Proven longevity
- Polycarbonate housing and cover → Resistant to mechanical stress
- Direct mounting via two mounting brackets (included) or alternatively two wall mounting brackets, suspension via chain or cable suspension or mounting for outriggers → Easy installation on the ceiling or wall of the room to be illuminated
- Cable gland M20 → Line diameter of 7-12 mm
- Protection class I.
- IP 66 → Dust and splash protection
- Ambient temperature: -40°C≤T_a≤ see table → Use at elevated ambient temperatures and large temperature fluctuations
- Optionally with single-phase or three-phase through-wiring

– Further models on request / subject to change and error –

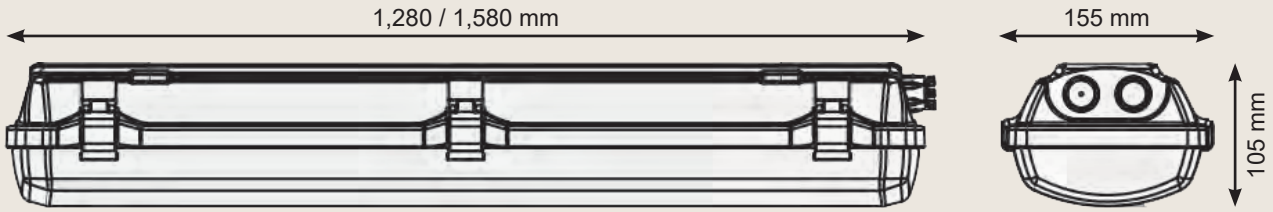
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LED Trough Light
EXTRA-LED-PLUS/FROST

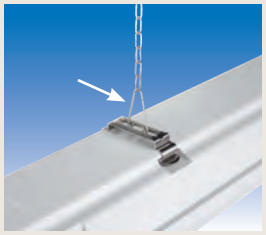
LIGHT EMISSION:



DIMENSIONS:



ACCESSORIES:



Wire hanger set (2 pcs) for chain suspension (without chain)
EXV005/SET



Set of 45° metal brackets for wall mounting (2 pcs.)
EXV006



Self-locking cable suspension (2 pcs. à 3 m)
EXV007



Clamp set (2 pcs.) for mounting on a boom with Ø 50 mm
EXV008/SET

– Further models on request / subject to change and error –

LED Surface Light
BOXER-LED



MODELS:

Voltage	Power	Luminous flux	T_a max	Dimensions	Weight	Order no.
230 V AC	8 W	1,123 lm	≤+55°C	421 184 283 x 56 mm	2.8 kg	**BOXER-053495**
	11 W	1,413 lm				**BOXER-053489**
	18 W	2,393 lm	≤+60°C	701 184 283 x 56 mm	4.7 kg	**BOXER-053494**
	22 W	2,826 lm				**BOXER-053491**
	36 W	4,786 lm	≤+55°C	1,257 184 283 x 56 mm	7.0 kg	**BOXER-053497**
	41 W	5,368 lm				**BOXER-053487**
	48 W	6,350 lm	≤+45°C	1,519 184 283 x 56 mm	9.0 kg	**BOXER-053499**
	51 W	6,710 lm				**BOXER-053485**

- Models with emergency power or dimming function on request -

SPECIAL FEATURES:

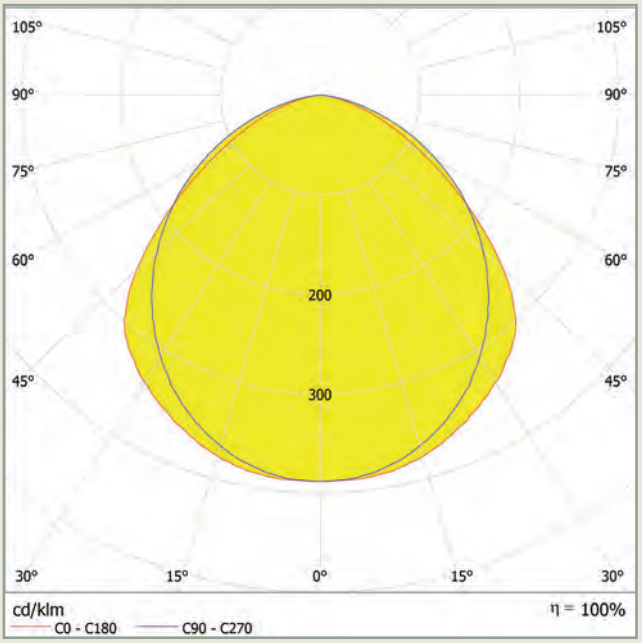
- High-power LED with up to 140 lm/W. → High light output
- Light colour 4,000 K. → Neutral white (2,700 K - 6,500 K on request)
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L80B10 TA30 - up to 70,000 hours → Proven longevity
- White sheet steel housing and polycarbonate cover combined with white sheet steel → IK10+, resistant to mechanical stress (impact protection up to impact energy of 40 joules, models up to 50 joules on request)
- Direct mounting to the ceiling or wall → Easy installation on the ceiling or wall of the room to be illuminated
- 2 x cable mounting screws → Prepared for continuous assembly
- Protection class I.
- IP 65 → Dust and splash protection
- Ambient temperature: -20°C≤T_a≤ see table → Use at elevated ambient temperatures and large temperature fluctuations

– Further models on request / subject to change and error –

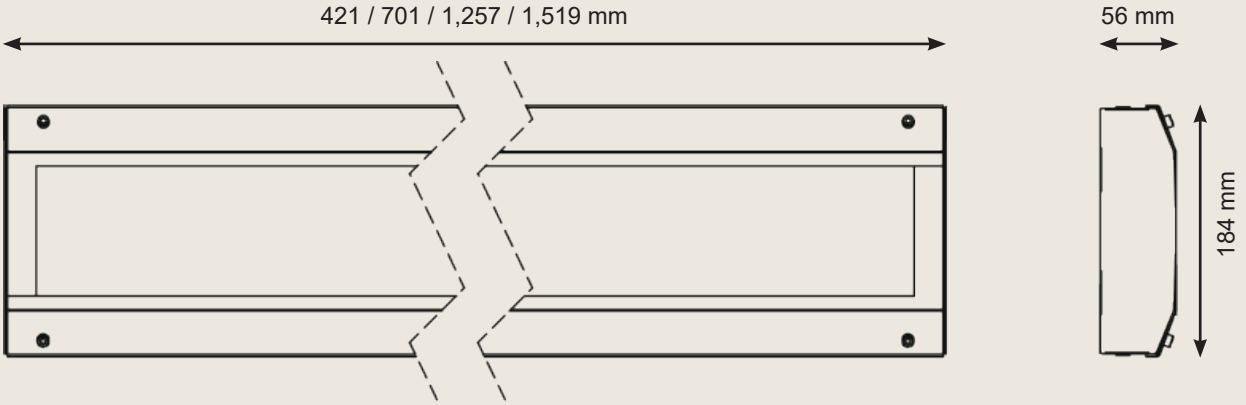
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LED Surface Light
BOXER-LED

LIGHT EMISSION:



DIMENSIONS:



ACCESSORIES:



Mounting frame
421 mm **EXV034**
701 mm **EXV035**
1,257 mm **EXV036**
1,519 mm **EXV037**



Set for corner installation
421 mm **EXV038**
701 mm **EXV039**
1,257 mm **EXV040**
1,519 mm **EXV041**

– Further models on request / subject to change and error –

ELSPRO Lighting for Paths and Squares









ELSPRO®

FINLED

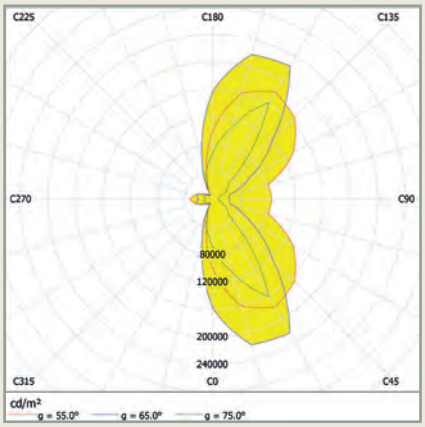
ELSPRO PREMIUM

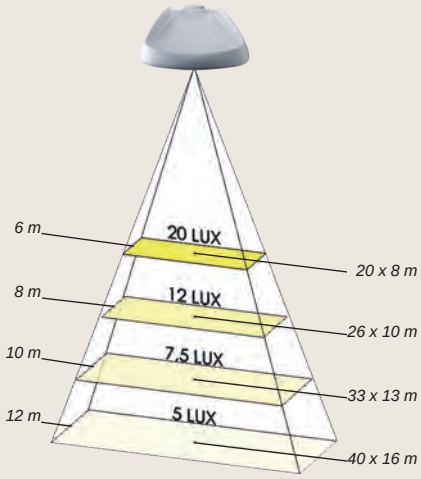


LED Street/Path & Plaza Light
FINLED

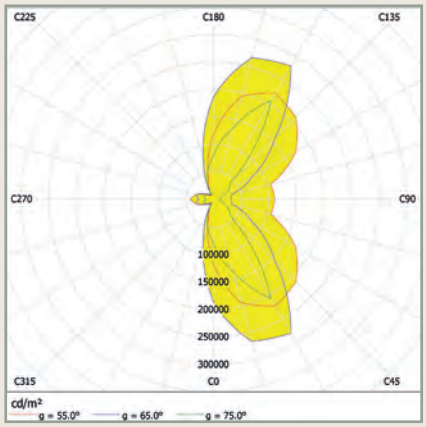
LIGHTING SPECIFICATIONS:

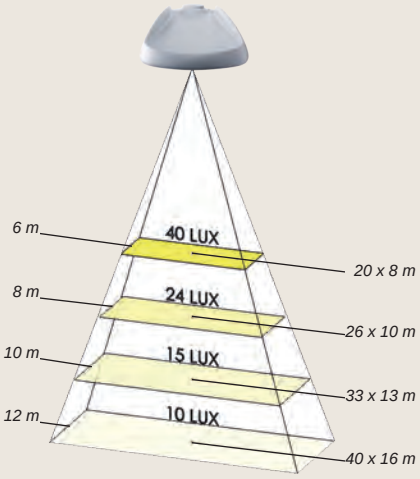
EFL40



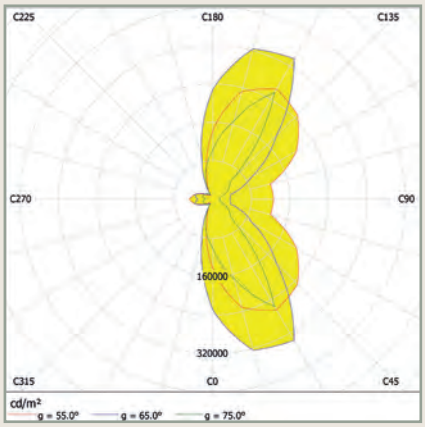


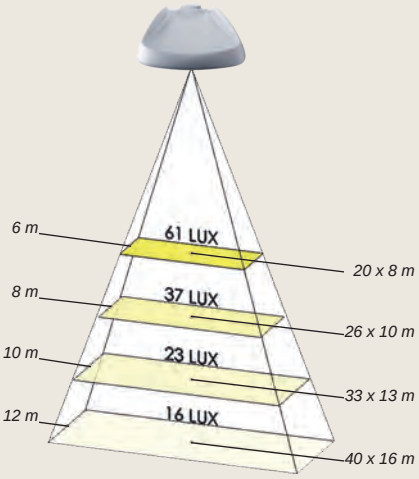
EFL80





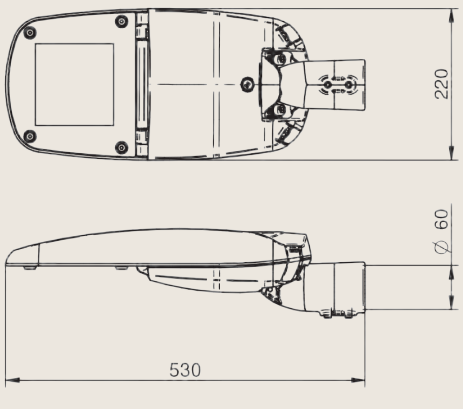
EFL120



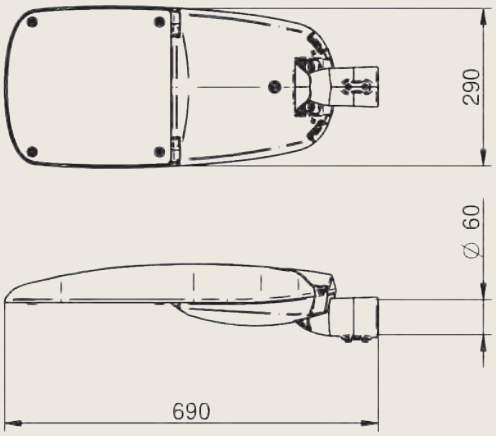


DIMENSIONS:

EFL40



EFL80 / 120



– Further models on request / subject to change and error –

LED Road/Path & Plaza Light
FINLED

IP66 CE



MODELS:

Voltage	Power	Luminous flux	Luminaires	Colour tempera-ture	Dimensions (L x W x H)	Weight	Order no.
220 - 240 V AC 47 - 63 Hz	40 W	6,432 lm	LED panel 16 LEDs	4,000 K	530 220 283 x 128 mm	6.8 kg	**EFL40**
	80 W	12,760 lm	LED panel 32 LEDs		690 290 283 x 140 mm	8.5 kg	**EFL80**
	120 W	19,152 lm	LED panel 48 LEDs				**EFL120**

SPECIAL FEATURES:

- **LED life L90B10 > 100,000 hours**
  Driver life < 70°C = 100,000 hours
  → Outstanding, proven durability
- **160 lumens / watts**
  → Highly efficient LED technology: High luminous efficiency with low energy consumption – one of the most powerful and efficient street lights on the market
- Modular concept
  → Future-proof and sustainable thanks to easy-to-replace luminaire components (LEDs, drivers, lens optics, safety glass)
- Outstanding price/performance ratio (lm/€)
  → Low payback times
- 16, 32 or 48 high power LEDs type 5050
  → Homogeneous light image
- Ambient temperature -35°C to +50°C.
  → Use even with large temperature fluctuations
- Luminosity class G6 and
  Upward Light Ratio (ULR) = 0%
  → No light emissions in the upper half-space and therefore no light pollution
- Photobiological safety class RG0 (without risk)
  → Maximum safety for the user
- Protection class 1
- Colour Rendering Index (CRI) > 70
- The inclination of the luminaire can be individual-ly adjusted from -15° to +15° as a pole-mounted luminaire
  → Optimal alignment of the light cone to the conditions on site
- Light-weight, only 6.8 or 8.5 kg
  → Easy installation and maintenance

– Further models on request / subject to change and error –

LED Street/Path & Plaza Light
FINLED

Save costs	Save time	Increased safety

Flexible mounting as top-mounted and top-mounted mast luminaires by means of swivelling nozzles - suitable for a mast diameter of 60 mm tilt adjustable from -15° to +15°

5mm tempered safety glass with UV filter
Prevents blue light from escaping
- Protects people and animals
- Protects insects



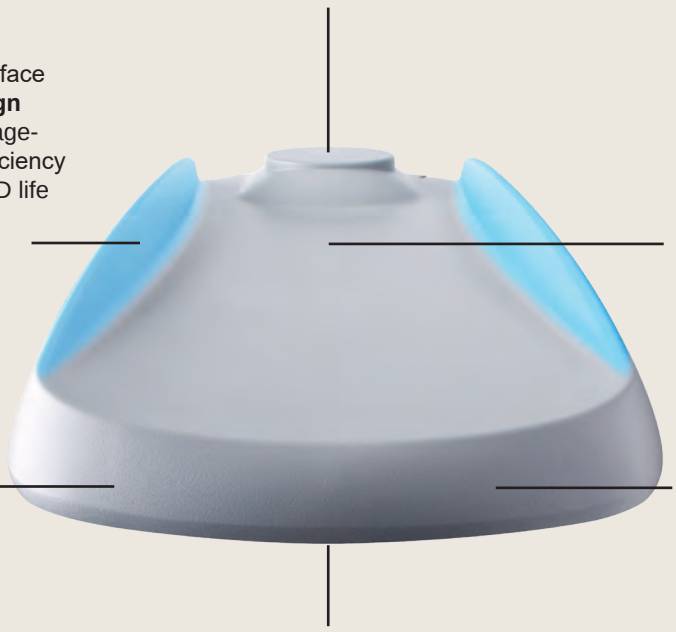
Highly efficient Zhaga Standard (Book 15) LEDs with 160 L/W.
Power Factor > 0.98
Energy class A++
(IPEA>1.15)

Pressure equalisation valve
Prevents condensation and maintain IP tightness

Prepared for any intelligent light control and sensor technology - Fit for the future today

A 33% increased cooling surface thanks to **patented fin design** ensures excellent heat management and thus increased efficiency (160lm/W) and very high LED life (L90B10 > 100,000 hours)

Plastic powder-coated aluminium die-cast housing (colour RAL 9022) robust, weatherproof and corrosion-resistant
Impact resistance IK10
Resistant to mechanical stress, such as heavy hail



Aerodynamic design
- Low contamination due to smooth surface
- No cooling fins are necessary for heat dissipation

Elegant, slim design
blends harmoniously into almost any environment

Beam angle 140° -
Asymmetric Super Extensive (AE)
Excellent and uniform surface illumination

– Further models on request / subject to change and error –

Save costs	Save time	Increased safety

Automatic mains interruption
When opening the housing

Multifunctional high-tech LED driver dimmable with DALI 2 standard

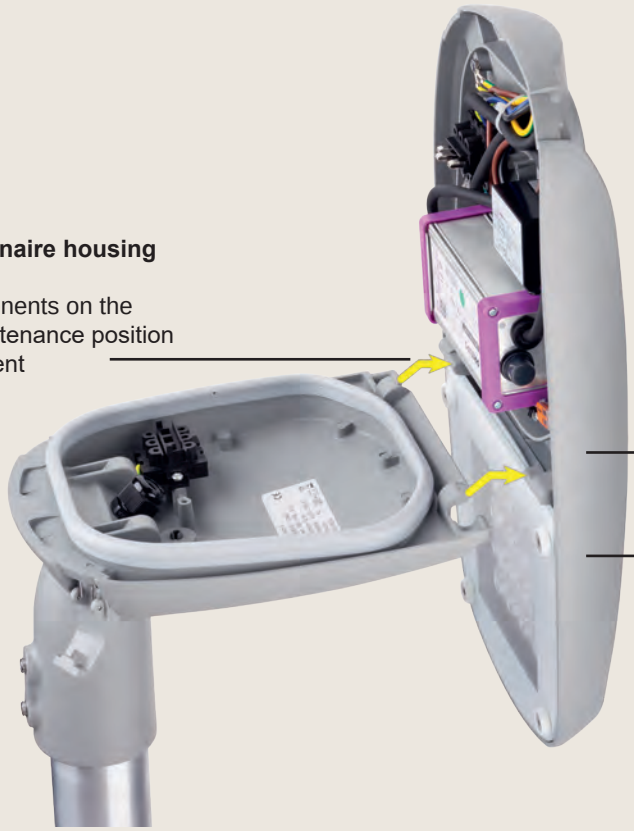


Surge protection 20 kA (10 kV) - protects against costly failures

Degree of protection IP66
Dust-proof and protected against strong jet water from all directions

Open without tools
Of the connection compartment by two locking clips
- Easy handling and easy connection of the luminaire
- Safe locking by eccentric system

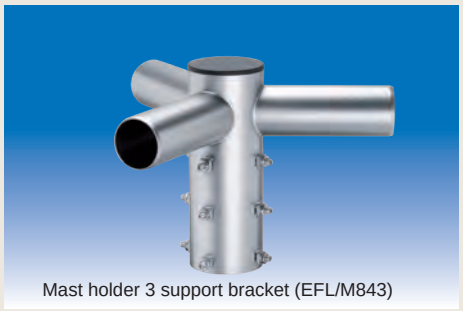
Two-piece, removable luminaire housing
for comfortable and fast
Maintain all important components on the workbench or in a fixed maintenance position
→ Rapid, tool-free replacement

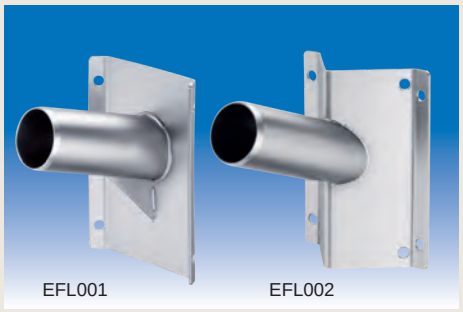


Two-zone concept
(Two chambers for LED module and driver) for optimal thermal management

– Further models on request / subject to change and error –

LED Street/Path & Plaza Light
FINLED


Mast holder 3 support bracket (EFL/M843)


EFL001 EFL002


Safety glass (EFL007)


LED board including lens (EFL008 / EFL009)

ACCESSORIES AND SPARE PARTS: Order no.

Mast holder for pipe diameter 67-80 mm
- Horizontal tilted by 0°
- incl. fittings (VA) M8 x 30 mm
- Stainless steel
- 1 support bracket L=150 mm x Ø=60 mm **EFL/M841**
- 2 support bracket L=150 mm x Ø=60 mm **EFL/M842**
- 3 support bracket L=150 mm x Ø=60 mm **EFL/M843**
- 4 support bracket L=150 mm x Ø=60 mm **EFL/M844**

Corner mounting for inner angle (90°) **EFL001**
- Pipe dimensions (L x Ø): 120 x 60 mm
- Mounting plate dimensions: 200 x 160 mm
- Stainless steel V2A

Wall bracket (0°) and corner mounting for external angle (90°) **EFL002**
- Pipe dimensions (L x Ø): 200 x 60 mm
- Mounting plate dimensions: 200 x 160 mm
- Stainless steel V2A

LED driver (not shown)
- Input voltage 230 V AC
- LED driver dimmable 1 - 10 V DC
- Continuous current 750 mA
- Nominal power 40 W. **EFL003**
- Nominal power 80 W. **EFL004**
- Nominal power 120 W. **EFL005**

Safety glass (5 mm) with UV filter
- FINLED 40 W **EFL006**
- FINLED 80 W / 120 W **EFL007**

LED board including lens
- Light colour 4,000 K.
- Colour Rendering Index (CRI) > 70
- LED life L90B10 > 100,000 hours
- 8 LEDs **EFL008**
- Total luminous flux 3,216 lm
- 16 LEDs **EFL009**
- Total luminous flux 6,380 lm

OPTIONAL PROJECT FEATURES:

- Additional colour temperatures: PC Ambar, 2,200 K, 3,000 K and 5,000 K.
- with ZHAGA-connections for sensors
- IoT-ready (Ready4IoT), making it future-proof for versatile intelligent lighting control and sensor technology →
- Sensor-ready model (e.g. for motion or daylight sensors)
- Additional lens optics (PMMA lenses 2x2) for a wide range of beam angles
- Other services available
- Additional housing colours on request
- Colour Rendering Index (CRI) > 80
- Models with protection class 2



– Further models on request / subject to change and error –

ELSPRO N8LED 2.0
LED POST-TOP LUMINAIRE



MODELS:

Voltage	Output	Lumen	Dimensions	Weight	Color	Post diameter	Order No.
230 V AC +/- 10% 50 / 60 Hz	280 W	30.000	H: 90 mm Ø: 640 mm	18.0 kg	grey DB703	86 mm	N8GR2886
						76 mm	N8GR2876
						60 mm	N8GR2860

SPECIAL FEATURES:

- 8 LED modules with 27 LEDs each → 216 LEDs for homogeneous 360° lighting exposure
- Rated power of 280 watts → Low energy costs
- Robust plastic powder-coated aluminum housing → Weather-resistant, durable, long lifespan
- Plastic power-coated heat sink → Excellent heat management with large number of cooling ribs
- LED modules supplied individually by drivers → High availability
- Modular design of the luminaire → LED modules and drivers replaceable individually
- Color temperature: 5,000 K → Daylight-similar
- Surrounding temperature: -25°C to +40°C → Use also in the case of high temperature fluctuations indoors and outdoors
- Protection class 2
- Protection rating: IP65 → Dustproof and water-jet-proof

Scope of delivery: 1 N8LED post-top luminaire, 1 post-top mounting (depending on model with pole tube), 1 strain-relief sphere, 1 attachment set

– other models on request / subject to modifications and errors –

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ELSPRO N8LED 2.0
LED POST-TOP LUMINAIRE

Mast attachment of plastic powder-coated aluminum

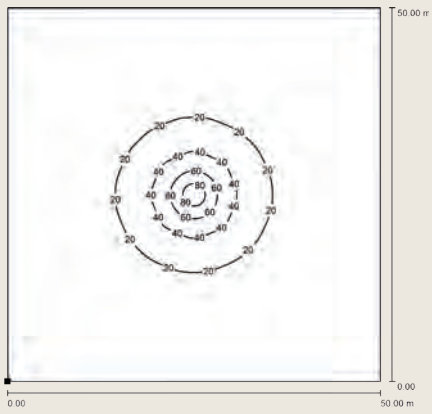


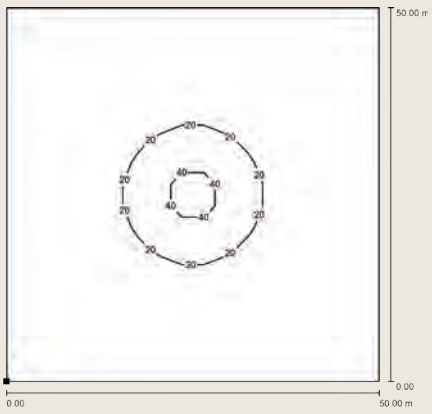


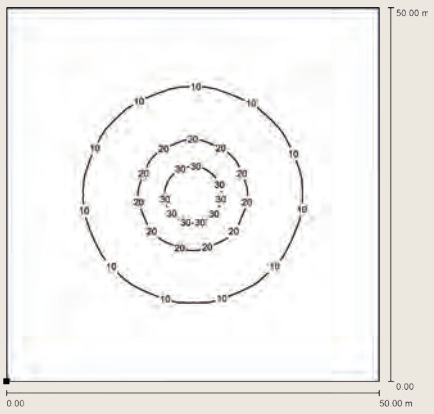
- The power supply cable is channeled through the post
- It is secured by a strain-relief sphere
- Attachment takes places via an attachmnet box
- From the attachment box, the power supply for the luminaire is provided via a pre-assembled cable with plug and socket device with fastening bolt

- Three-sided fastening with 6 V2A bolts M8
- The attachment is for a mast diameter of 86 mm
- The diameter is reduced in the case of corresponding post tubes to 76 mm or 60 mm
- Other diameters on request









Mounting height:	8.00 m	Mounting height:	10.00 m	Mounting height:	12.00 m
E_m:	8.27 Lux	E_m:	7.90 Lux	E_m:	7.55 Lux
E_{min}:	0.14 Lux	E_{min}:	0.33 Lux	E_{min}:	0.46 Lux
E_{max}:	87.00 Lux	E_{max}:	56.00 Lux	E_{max}:	39.00 Lux

– other models on request / subject to modifications and errors –

ALFLED DS

ELSPRO LED-Wire Rope Lamp



VERSION:

Voltage	Power	Lumen	Orientation	Dimensions in mm (D x W x H)	Weight	Illuminant	Order no.
220 - 240 V AC 50 / 60 Hz	52 W	6,500	0°	843 x 160 x 300	6.50 kg	LED panel	**7S235260**
			90°	500 x 843 x 300	6.50 kg		**7S23526090**
	104 W	12,810	0°	843 x 330 x 300	8.80 kg		**7S2310460**
			90°	500 x 843 x 300	8.80 kg		**7S231046090**

SPECIAL FEATURES:

- Colour temperature: 5,000 Kelvin → Daylight white
- LED boards under plastic lenses with an angle of emission of 60°. → Focused light
- IP 67 → Dust- and waterproof
- Suspension system made of stainless steel V2A → Weatherproof
- Rope support with 2-fold clamp and additional fall protection including carabineer hook → Hang in, clamp, secure, secure, done
- The inclination of the lighting unit on the suspension rail can be adjusted by +/- 15° → Compensation of the lowering of the wire rope possible
- Tilting of the ALFLED on the mounting bracket possible by +/- 45° → Optimal alignment of the light beam
- Cable entry and exit (M25) on the left and right side of the connection box with cable diameter of 13-18 mm → Connection box easy to install outside the lamp
- Connection of ALFLED and junction box using angled connectors → Individual lamps can be disconnected without interrupting the power supply to other lamps in the series



Model turned 90° to the right



Alignment of the lamp at the mounting brackets and also possible on the suspension rail

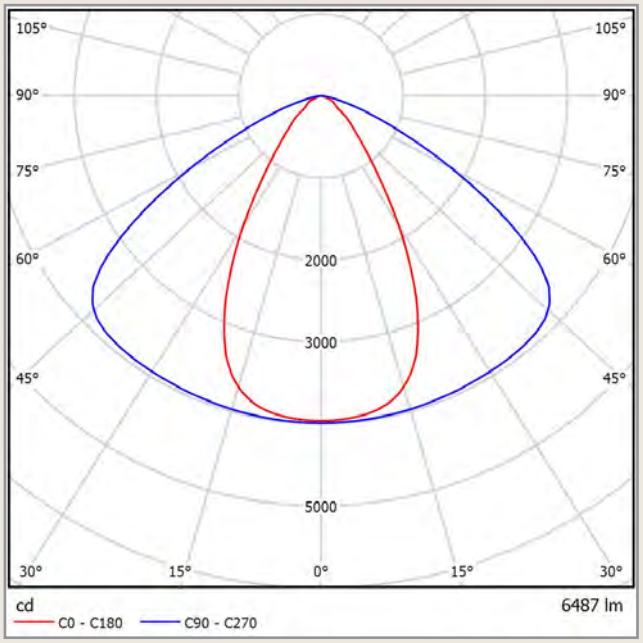
– Other versions on request / Subject to alterations and errors –

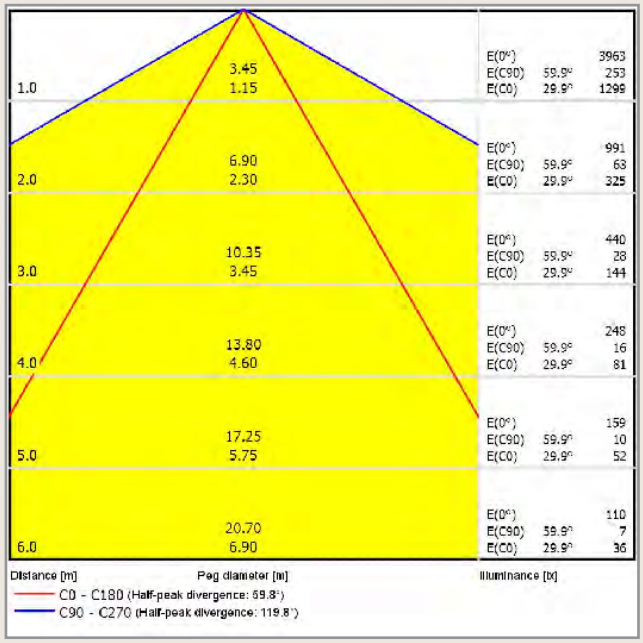
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ALFLED DS

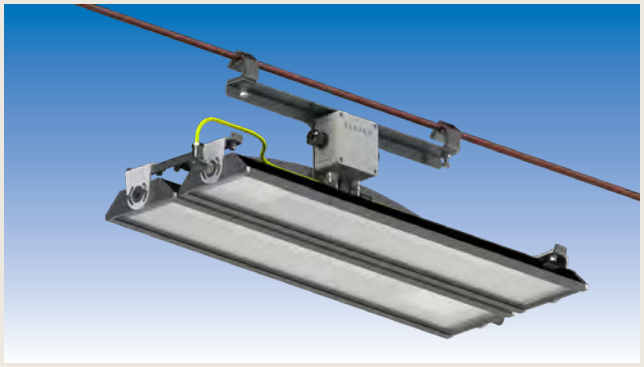
ELSPRO LED-Wire Rope Lamp

PHOTOMETRIC DATA 1-FLAME





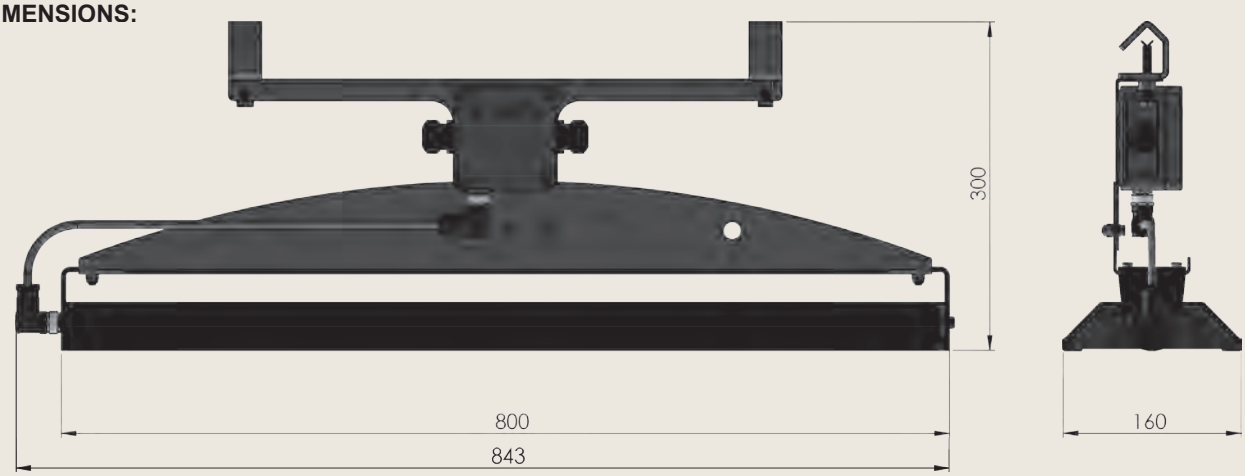
VARIANT 2-FLAME





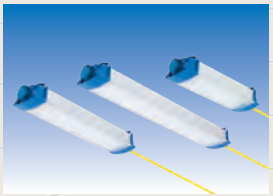
The ALFLED LED wire rope lamp is also available as a 2-flame version with 104 watt output. This variant can also be ordered offset by 90°.

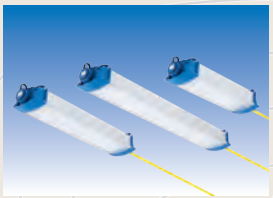
DIMENSIONS:



– Other versions on request / Subject to alterations and errors –

Mobile Lamps
Building and Construction Lamps
Tent Lamps / Chain Lamps










ELSPRO®

ELSPRO LED Panel Light Type QV LED 25



MODELS:

Voltage	Output	Luminous flux LED-Panel	Protection class	Cable with Plug	Outlets Sockets	Weight without Cable	Order No.
230 V / 50 HZ	29 W	3.100 lm	IP 55	5 m 10 m	- without -	1,2 kg	**QVL2325/5** **QVL2325/10**
			IP 54	5 m 10 m	2 earthing contact	1,5 kg	**QVL2325/5/02** **QVL2325/10/02**

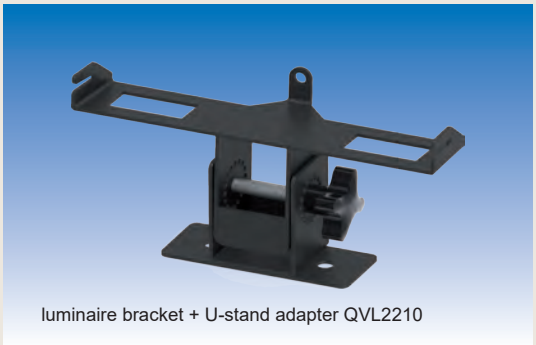
- dimensions (WxHxD): 215 x 250 x 155 mm → limited space required, flat and compact form
- limited weight → easy and trouble-free handling while in use
- LED panel with highly efficient SMD LEDs → high light output with low energy consumption, COST SAVINGS
- housing made of impact-resistant polycarbonate, edge protector of soft, thermoplastic elastomer → strongly suitable for mobile use on building and construction sites
- incl. robust switch on the lamp → can be switched on and off directly at the workplace
- low heat development → no burns when touched, SAFETY

– other cable lengths and models on request / subject to modification and errors –

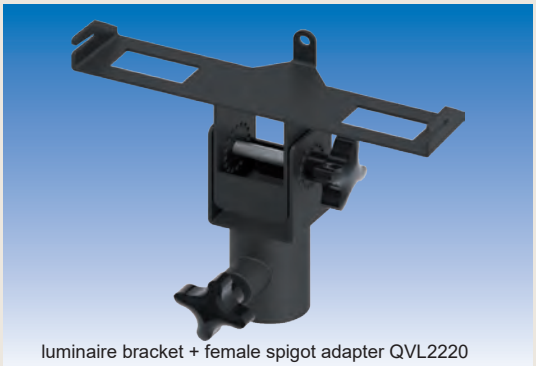
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Tripod type TV7731



luminaire bracket + U-stand adapter QVL2210



luminaire bracket + female spigot adapter QVL2220

ACCESSORIES: Order No.

- Tripod type DELTA 4 with Ø 30 mm DIN pins **TV7731**
  - black aluminium
  - height when folded: 105 cm
  - maximum height when set up: 360 cm
  - minimum height when set up: 125 cm
  - diameter of the maximum footprint: 110 cm
  - max. load capacity: ca. 13 kg
  - tripod weight: ca. 2.5 kg
  - completely preassembled

- luminaire bracket + U-stand adapter **QVL2210**
- luminaire bracket + female spigot adapter **QVL2220**

– other tripods and cross bars are found starting on page 13.1 / subject to modification and errors –

ELSPRO LED Wide Area Lamp Type QV LED 30



MODELS:

Voltage	Output	Luminous flux LED-Panel	Protection Class	Cable with plug	Outlets Sockets	Weight without Cable	Order No.
24 V AC / 50 HZ	29 W	4.200 lm	IP66	5 m 10 m	- ohne -	1,69 kg	**QVL2430/5** **QVL2430/10**
			IP44	5 m 10 m	1 CEE 24V 16A, 2 pol.	1,79 kg	**QVL2430/5/1** **QVL2430/10/1**
42 V AC / 50 HZ			IP66	5 m 10 m	- ohne -	1,69 kg	**QVL4230/5** **QVL4230/10**
			IP44	5 m 10 m	1 CEE 42V 16A, 2 pol.	1,79 kg	**QVL4230/5/1** **QVL4230/10/1**
230 V / 50 HZ	36 W	5.000 lm	IP66	5 m 10 m	- ohne -	1,92 kg	**QVL2330/5** **QVL2330/10**
			IP54	5 m 10 m	3 Schutzkontakt	2,10 kg	**QVL2330/5/03** **QVL2330/10/03**

SPECIAL FEATURES:

- with sockets like fig. IP44/IP54; without socket IP66
- dimensions in mm:: WxHxD = 305/320/115
- limited weight
- LED panel with highly efficient SMD LEDs
- housing of impact-resistant polycarbonate, covered with soft rubber
- handle of impact-resistant ABS with 6 locking positions for positioning
- with robust switch on the lamp
- low heat development

→ SAFETY also when used in wet areas
→ limited space required, flat and compact form
→ easy and trouble-free handling in practice
→ high light output with low energy consumption, COST SAVINGS
→ suitable for mobile use on building and construction sites
→ simple to transport, can be set up versatilely and in all situations
→ can be switched on and off directly at the workplace
→ no burns when touched, SAFETY

– other cable lengths and models on request / subject to modification and errors –

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Tripod BETA 3



Basic mount TV001



1-panel support bar



2-panel support bar

ACCESSORIES:	Order No.
- tripod type BETA 3 with Ø 30 mm DIN pins	**TV7521SA**
• aluminium black	
• height when folded 114 cm	
• maxium height when set up: 252 cm	
• minimum height when set up: 96 cm	
• diameter of the maximum footprint: 114 cm	
• max. load capacity: ca. 30 kg	
• tripod weight of ca. 6,5 kg	
• completely preassembled	
- basic mounting bracket for attaching the support bar with a 30 mm DIN pin	**TV001**
- 1-panel support bar	**QVL029**
- 2-panel support bar	**QVL030**
- Magnetic mount for 1 piece QVN 72 (2 large magnets with support rail)	**QVL029M2**

– other tripods and cross bars are found starting on page 7 / subject to modification and errors –

ELSPRO LED Panel Light Type QV LED 40



MODELS:

Voltage	Output	Protection Class	Cable with Plug	Outlets Sockets	Weight without Cable	Order No.
24 V AC / 50 HZ	44 W	IP54	5 m 10 m	- none -	2.28 kg	**QVL2440/5** **QVL2440/10**
		IP44	5 m 10 m	1 CEE 24V 16A, 2 pol.	2.40 kg	**QVL2440/5/1** **QVL2440/10/1**
42 V AC / 50 HZ		IP54	5 m 10 m	- none -	2.28 kg	**QVL4240/5** **QVL4240/10**
		IP44	5 m 10 m	1 CEE 42V 16A, 2 pol.	2.40 kg	**QVL4240/5/1** **QVL4240/10/1**
230 V / 50 HZ		IP54	5 m 10 m	- none -	2.45 kg	**QVL2340/5** **QVL2340/10**
		IP54	5 m 10 m	3 earthing contact sockets	2.54 kg	**QVL2340/5/03** **QVL2340/10/03**

SPECIAL FEATURES:

- dimensions (WxHxD): 280 x 360 x 130 mm → limited space required, flat and compact form
- limited weight → easy and trouble-free handling while in use
- LED panel with highly efficient SMD LEDs → LED panel with high light output, 6,450 lm, with low energy consumption, COST SAVINGS
- housing made of impact-resistant polycarbonate, edge protector of soft, thermoplastic elastomer → strongly suitable for mobile use on building and construction sites
- handle made of impact-resistant ABS with 6 locking positions for positioning → simple to transport, can be set up versatilely and in all situations
- incl. robust switch on the lamp → can be switched on and off directly at the workplace
- low heat development → no burns when touched, SAFETY

battery model on page 22.01

– other cable lengths and models on request / subject to modification and errors –

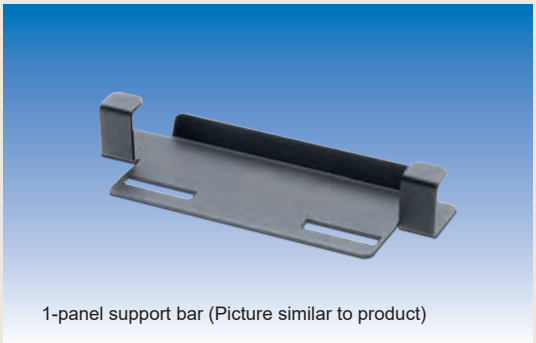
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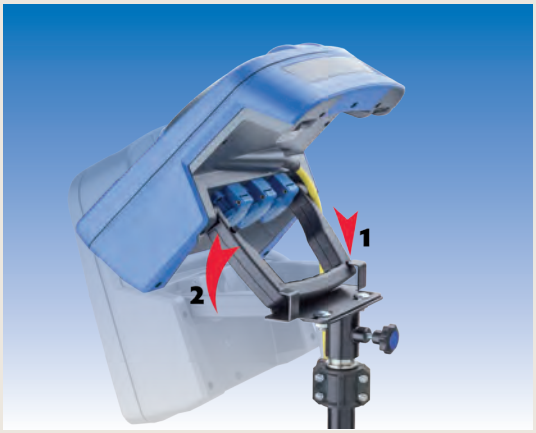
Tripod type BETA 3



Basic mount TV001



1-panel support bar (Picture similar to product)



ACCESSORIES:	Order No.
- Tripod Type BETA 3 with ø 30 mm DIN pins	**TV7521SA**
• black aluminum	
• height when folded: 114 cm	
• maximum height when set up: 252 cm	
• minimum height when set up: 96 cm	
• diameter of the maximum footprint: 114 cm	
• max. load capacity: ca. 30 kg	
• tripod weight: ca. 6.5 kg	
• completely preassembled	
- basic mounting bracket for attaching the support bar with a 30 mm DIN pin	**TV001**
- 1-panel support bar	**QVL001**
- Magnetic mount for 1 piece QVLED40 (2 large magnets with support rail)	**QVL01M2**

REPLACEMENT PARTS:	Order No.
- front section in anthracite/blue	**QVL003**
- cover panel	**QVL004**
- rear housing with 3 earthing contact sockets and switch	**QVL005**
- rear housing without sockets but with switch	**QVL006**
- handle	**QVL007**
- LED panel	**QVL008**
- LED converter 230 V	**QVL009**
- LED converter 24 V AC	**QVL010**
- LED converter 42 V AC	**QVL011**

– other tripods and cross bars are found starting on page 13.1 / subject to modification and errors –

ELSPRO LED panel light Type QV LED 100



CONFIGURATIONS:

Voltage	Power	Light source	Luminous flux	Colour	Dimensions in cm	Weight	Order no.
100-240 V AC 50/60 Hz	100 W	High-Power-COB LED	10.000 - 2.000 lm	blue-black	H = 27,7 W = 24,4 D = 8,5	4,3 kg	**QVL100/5**

SPECIAL FEATURES:

- Robust powder-coated die-cast aluminium housing with rubberised edge and lens protection
- Small space requirement due to compact design
- Easy to transport thanks to rubberised carrying handle
- 5-level dimming function (10,000 / 8,000 / 6,000 / 4,000 / 2,000 lm)
- Light output display (10,000 - 2,000 lm) on the back of the light
- A continuously adjustable 180° swivelling base allows for a variable alignment of the light beam (Fig. 1)
- 120° beam angle for uniform area illumination
- with brightness memory function
- Fluorescent reflector integrated into the lens makes it easier to find the light in the dark (Fig. 2)
- Integrated USB port (output 5V 1A) for charging mobile devices (Fig. 3)
- Protection class IP 67 - dust and waterproof
- Impact resistance IK 07 - impact-resistant and resistant to mechanical stress
- Base prepared for mounting the ELSPRO base holder with DIN pin receptacle Ø 30 mm (Order No. TV001/4) for tripod mounting of the light
- Supply cable with plug: 5m INDUSTRIEFLEX 05 3G1.0 mm² - Copper class 6: ultra-fine stranded and therefore highly flexible

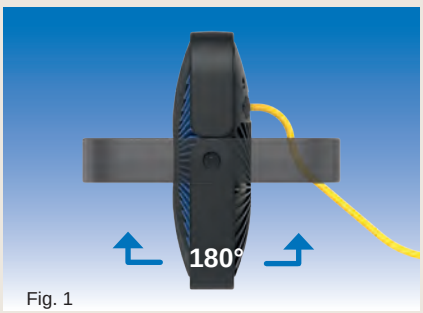
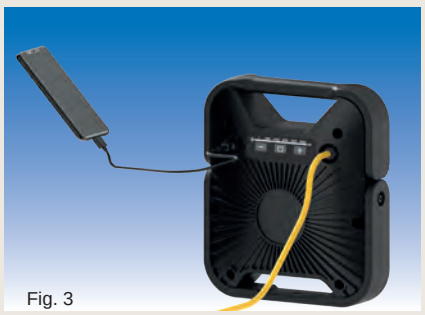


Fig. 1


Fig. 2


Fig. 3

Version with rechargeable battery see from p. 22.02.1

– Subject to changes and errors –

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Tripod Type DELTA 9

ZUBEHÖR: Bestell-Nr.

- Tripod Type DELTA 9 with Ø 30 mm DIN pin **TV7727SA**
  - Black aluminium
  - height when collapsed: 102 cm
  - Shock-absorbed / air-damped lowering
  - Maximum height when set up: 270 cm
  - Minimum height when set up: 102 cm
  - Maximum footprint diameter: 110 cm
  - Maximum load at max./min. height 13/17 kg
  - Tripod weight is approx. 3.3 kg
  - Completely pre-assembled



QV LED 100 on DELTA tripod

- Base mount TV001 including DIN pin holder Ø 30 mm with fixing material for QV LED 100 **TV001/4**



Magnetic holder QVL.2MAG

- Magnetic holder (stainless steel holding rail for clamp attachment with 2 holding magnets) for QV LED 100 **QVL.2MAG**

ELSPRO LED Tent Lamps SLZ Product Series
Ø 70 mm polycarbonate



MODELS IN — IP44 | IP44 | IP54:

Lamps	Output	Lumen LED panel	Length in mm	Weight in kg	Cable with plug	Order no. 24 V AC*	Order no. 42 V AC*	Order no. 230 V AC
LED panel	23 W	3,000	750	2.55	5 m	**SLZ2423/5/01**	**SLZ4223/5/01**	**SLZ2323/5/01**
				3.30	10 m	**SLZ2423/10/01**	**SLZ4223/10/01**	**SLZ2323/10/01**
LED panel	46 W	6,000	1,310	3.55	5 m	**SLZ2446/5/01**	**SLZ4246/5/01**	**SLZ2346/5/01**
				4.30	10 m	**SLZ2446/10/01**	**SLZ4246/10/01**	**SLZ2346/10/01**

MODELS IN IP67:

Lamps	Output	Lumen LED panel	Length in mm	Weight in kg	Cable with plug	Order no. 230 V AC
LED panel	23 W	3,000	750	2.55	5 m	**SLZ2323/5/01DWD**
				3.30	10 m	**SLZ2323/10/01DWD**
LED panel	46 W	6,000	1,310	3.55	5 m	**SLZ2346/5/01DWD**
				4.30	10 m	**SLZ2346/10/01DWD**



– other models on request / subject to modifications and errors –

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ELSPRO LED Tent Lamps SLZ Product Series
Ø 70 mm polycarbonate

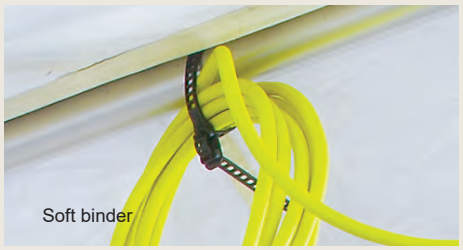
SPECIAL FEATURES:

• protective polycarbonate tube with two rubber cuffs	→ impact-resistant and protected
• plastic end caps with integrated plug and/or integrated cable plug system	→ simple modular structure
• large number of lamps possible in series connection	→ optimal SOLUTIONS, depending on the site of operation and lighting needs
• low heat development	→ no burns if touched SAFETY
• 230 V: IP 54 – splash-resistant and/or IP 67 – waterproof	→ can also be used in outdoor areas
• full illumination intensity when first turned on, also in the case of low temperatures	→ immediately usable


Retaining clamps



Rubber expander hanging


Soft binder

ACCESSORIES :	Order no.
• plastic retaining clamps for wall or ceiling mounting	**SLZ001**
• plastic retaining clamps with magnet	**SLZ002**
• metal retaining clamps with magnet	**SLZ003**
• metal retaining clamps with strap hanging	**SLZ004**
• metal retaining clamps with rubber expander hanging	**SLZ005**
Soft binder 340.0 x 11.0 mm (re-openable cable bundling system for fixing extra cable)	**SOFTBINDER340**

– other models on request / subject to modifications and errors –

ELSPRO LED Tent Lamps SLZ Product Series with emergency light function



MODELS:

Lamps	Output	Luminous flux LED panel	Protection class	Cable with plug	Output	Length	Weight	Order no. 230 V AC
LED panel	33 W	3,450 lm	IP 67	5 m	- without -	965 mm	3.1 kg	**SLZN2333/5**
				10 m			4.1 kg	**SLZN2333/10**
			IP 54	5 m	1 earthing contact	1,030 mm	3.3 kg	**SLZN2333/5/01**
				10 m			4.3 kg	**SLZN2333/10/01**



– other models on request / subject to modifications and errors –

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ELSPRO LED Tent Lamps SLZ Product Series with emergency light function

SPECIAL FEATURES:

- protective polycarbonate tube with two rubber cuffs → impact-resistant and protected
- plastic end caps with integrated plug and/or integrated cable plug system → simple modular structure
- large number of lamps possible in series connection → optimal SOLUTIONS, depending on the site of operation and lighting needs
- low heat development → no burns if touched SAFETY
- 230 V: IP 54 – splash-resistant and/or IP 67 – waterproof → can also be used in outdoor areas
- full illumination intensity when first turned on, also in the case of low temperatures → immediately usable
- emergency light function → additional lighting in case of power failure max. 120 minutes

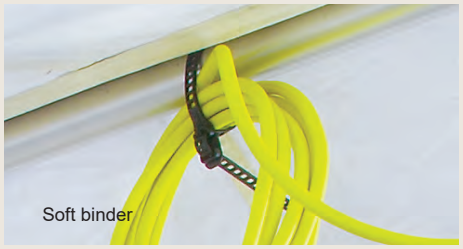

Retaining clamps

ACCESSORIES :	Order no.
• plastic retaining clamps for wall or ceiling mounting	**SLZ001**
• plastic retaining clamps with magnet	**SLZ002**
• metal retaining clamps with magnet	**SLZ003**



Rubber expander hanging

• metal retaining clamps with strap hanging	**SLZ004**
• metal retaining clamps with rubber expander hanging	**SLZ005**


Soft binder

Soft binder 340.0 x 11.0 mm (re-openable cable bundling system for fixing extra cable)	**SOFTBINDER340**

– other models on request / subject to modifications and errors –

ELSPRO Dome Lamp NX PERFEKT



Chain Application NXA/NXNA

solo NX

MODELS:

Output	Luminous Flux	Protection Class	Input Cable with plug	Output Cable with Coupling	Order No. 24 V AC	Order No. 42 V AC	Order No. 230 V AC
12 W	1,300 lm	IP 65	-	-	**NX2412/-**	**NX4212/-**	**NX2312/-**
			5 m	-	**NX2412/5**	**NX4212/5**	**NX2312/5**
			5 m	0,5 m	**NXA2412/5**	**NXA4212/5**	**NXA2312/5**
8 W (emergency light)	1,100 lm		-	-	**NXN2408/-**	**NXN4208/-**	**NXN2308/-**
			5 m	-	**NXN2408/5**	**NXN4208/5**	**NXN2308/5**
			5 m	0,5 m	**NXNA2408/5**	**NXNA4208/5**	**NXNA2308/5**

- 110 V DC on request -

SPECIAL FEATURES:

- serial connection of the lamps in many variations, e.g., with connector system or fixed connections between the individual lamps, distance and number as required → optimal SOLUTIONS according to place of use and lighting needs are planned and produced
- connection with cable cross-sections of up to max. 14 mm are possible → impermissible drops in voltage are avoided; long series of lights with one power feed SAVE labor costs and materials
- high-performance LEDs with an illumination angle of 120° → homogeneous lighting
- colour temperature 6.500 K → similar to daylight
- polycarbonate housing → fall- and impact-resistant
- rustproof, stable suspension bracket
- satined Makrolon cover → shock- and impact-resistant, with practical threaded closure
- NXN with emergency situation system → 60 minutes battery powered lighting during power interruption, disengageable by using magnet (delivery includes magnet)



– other models on request / subject to modification and errors –

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ELSPRO Dome Lamp CX PERFEKT



Chain Application CXLA

solo CXL

MODELS:



LED module

Output	Lumen	Input Cable with plug	Output Cable with Coupling	Order No. 24 V AC	Order No. 42 V AC	Order No. 230 V AC
20 W	2.320	5 m	-	**CXL2420/5**	**CXL4220/5**	**CXL2320/5**
		5 m	0,5 m	**CXLA2420/5**	**CXLA4220/5**	**CXLA2320/5**

BESONDERHEITEN:

- lamp in IP 65, sprayproof and dust-tight
  → SAFE and permanent illumination, also in extremely wet and dusty areas, reduces dangers in the workplace
- serial connection of the lamps in many variations, e.g., with connector system or fixed connections between the individual lamps, distance and number as required
  → optimal SOLUTIONS according to place of use and lighting needs are planned and produced
- connection with cable cross-sections of up to max. 14 mm² are possible
  → impermissible drops in voltage are avoided; long series of lights with one power feed SAVE labor costs and materials

– other models on request / subject to modification and errors –

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ELSPRO Dome Lamp CX PERFEKT

CHARACTERISTICS AND SPECIAL FEATURES

rustproof, stable suspension bracket



Fall- and impact-resistant polycarbonate housing, resistant to oil, acids, and alkaline solutions, self-extinguishing

Dimensions:
Diameter max. 248 mm
Total height incl. bracket 299 mm

LED driver





Large neoprene ring press-fitted in a guide groove seals sprayproof



carrier plate



LED board, 20W, 2.320lm

Shock- and impact-resistant clear cover of satinised Makrolon





Locking ring of polycarbonate with 3 screws of stainless steel, undetachable

REPLACEMENT PARTS:	Order No.
cover of satinised Makrolon	**CX009**
Complete locking ring	**CX001**
Neoprene ring	**CX002**

ACCESSORIES:	Order No.
Magnetic holder with strong gripping force and carabiner hook	**KX/MAG**

– other models on request / subject to modification and errors –

ELSPRO Solid Rubber LED Workstation Lamp
Type HAL LED 20

FIELDS OF APPLICATION:

- building and construction sites
- industry, trade, and commerce
- in the protection class 3 model, particularly suitable for use in narrow, conductive areas with limited freedom of movement (pressure vessels, filtration plants, pipelines, containers, shafts, vehicles, etc.)



VERSIONS:

Output	Cable	Accessories	Order No.		
			24 V AC	42 V AC	230 V AC
20 W	5 m	-	**AL2420/5**	**AL4220/5**	**AL2320/5**
	10 m	-	**AL2420/10**	**AL4220/10**	**AL2320/10**
	20 m	-	**AL2420/20**	**AL4220/20**	**AL2320/20**
20 W	5 m	Magnet	**ML2420/5**	**ML4220/5**	**ML2320/5**
	10 m	Magnet	**ML2420/10**	**ML4220/10**	**ML2320/10**
	20 m	Magnet	**ML2420/20**	**ML4220/20**	**ML2320/20**

– power supply cable INDUSTRIEFLEX® 07 HT–

SPECIAL FEATURES:

- LED panel with highly efficient SMD LEDs → LED panel with high light output, 2.320 lm, with low energy consumption
- colour temperature 5.700 K → similar to daylight
- Solid rubber housing with shock-proof Macrolon cover, satined → shock- and impact-resistant, long service life, even under tough operating conditions, COST SAVINGS!
- nylon clamping ring with hanging bracket → simple and safe mounting as hanging lamp
- with a clamp at the bottom → assembling on an scaffold support
- IP 54 → safety in use, splash-proof

REPLACEMENT PARTS:	Order No.
satined Makrolon cover (upper part)	**A02/S**

– other cable lengths and models on request / subject to modification and errors –

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Large Area Lamps / Special Lamps







ELSPRO®

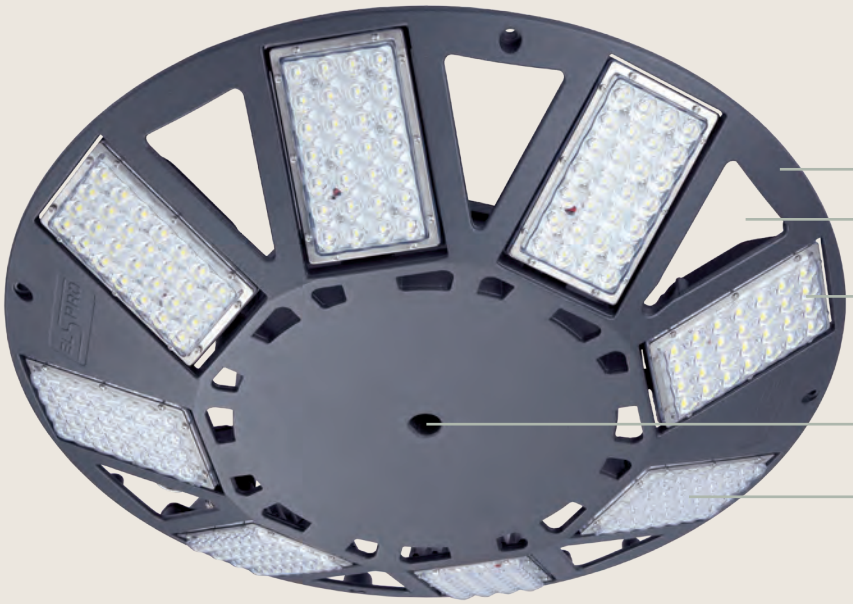
reddot design award

ELSPRO PREMIUM

N8LED®

2.1





Plastic-powder-coated aluminium lamp housing

Finger grips

Polycarbonate lens optics

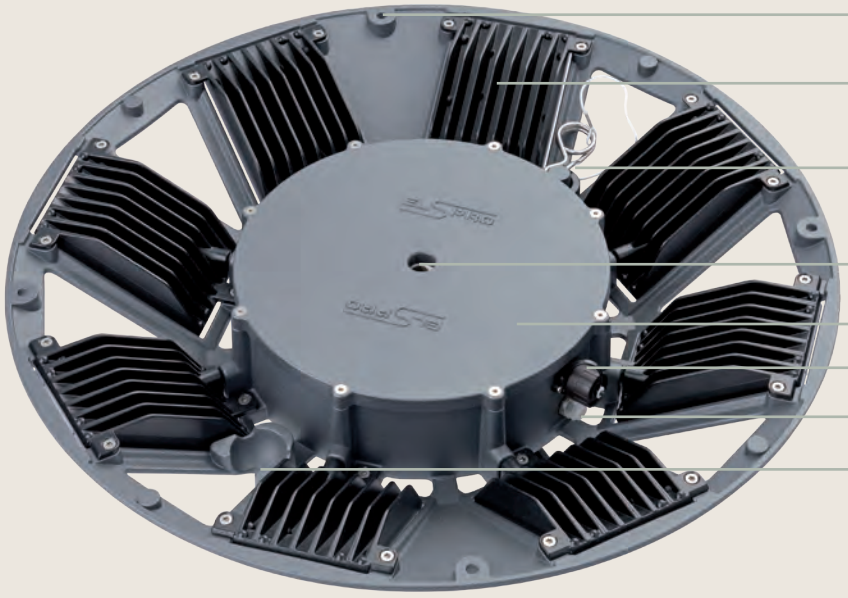
Stand receptacle adapter for DIN pegs

LED board

Ø 640 mm



90 mm → low wind load



Crane eyelet support

Aluminium cooling element incl. LED module

Scraper ring lamp fastening and spring cotter pin

Stand receptacle adapter for DIN pegs

Aluminium lamp cover

Connector

Pressure compensation valve

Recess for mounting the line stopper

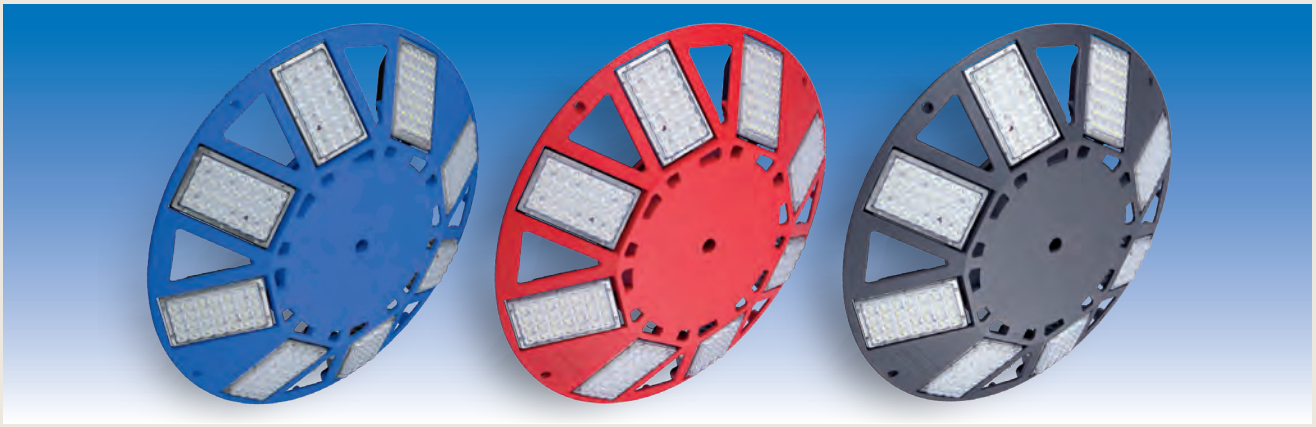
– other models on request / subject to modification and errors –

www.youtube.com/ELSPROTV

Radiant beauty...

Designed for the illumination of all construction and assembly sites in industry and trade, for rescue and emergency services, for control missions, army and events.

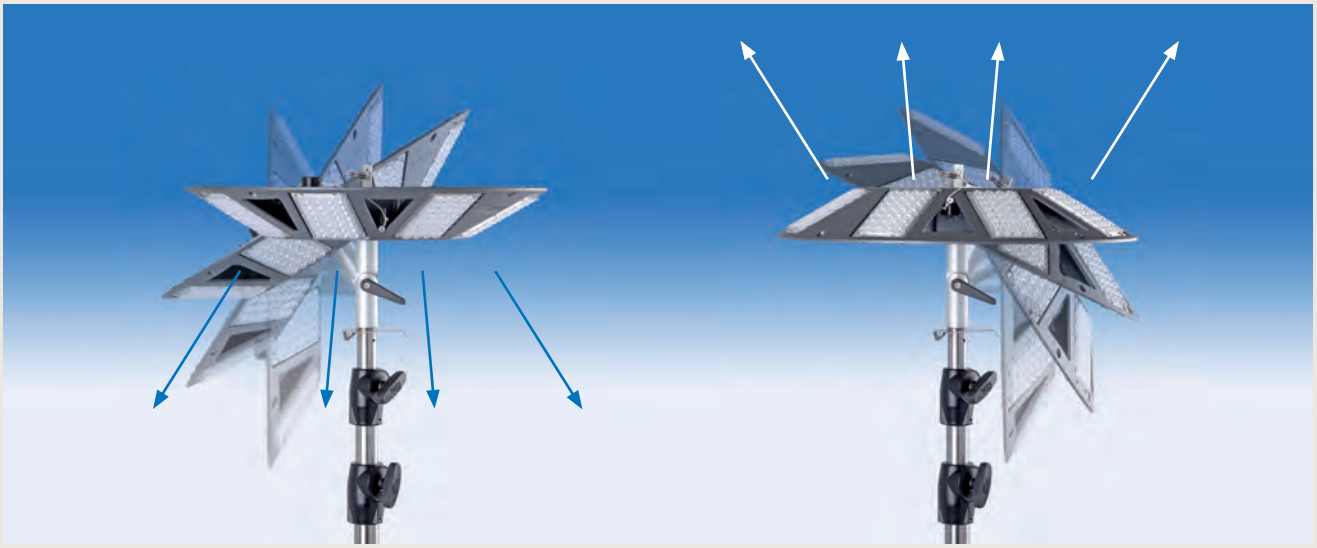
- High availability due to individually driven LED modules
- Modular design, LED modules and drivers individually interchangeable
- Directly after switching on, full power and large-area uniform illumination
- Lighter and quicker assembly of the lighting unit
- Tool-free assembly and disassembly due to captive safety spring-loaded plug and scraper ring
- with intelligent temperature management



N8LED 2.1:

Voltage	BLUE RAL5002	RED RAL3024	ANTHRACITE DB703
42 V AC	N8BL3001-42	N8RT3001-42	N8GR3001-42
230 V AC	N8BL3001	N8RT3001	N8GR3001

Scope of supply: 1 x N8LED 2.1, 1 x stand adapter for DIN peg assembly, 10 m feed lines with plug system and stopper



The stand adapter can be inserted from both sides, so it is possible to cast light downward or upward. With the tilt joint, the N8LED can be aligned in different positions from 0° to 90°.

– other models on request / subject to modification and errors –

N8LED 2.1 DIMMABLE

- LED modules dimmable via integrated electronic pulse width modulation
- Pulse width modulation is controlled by a keyed phase (dim L)
- Each LED module is individually controlled by the electronics



CONTROL ELEMENT

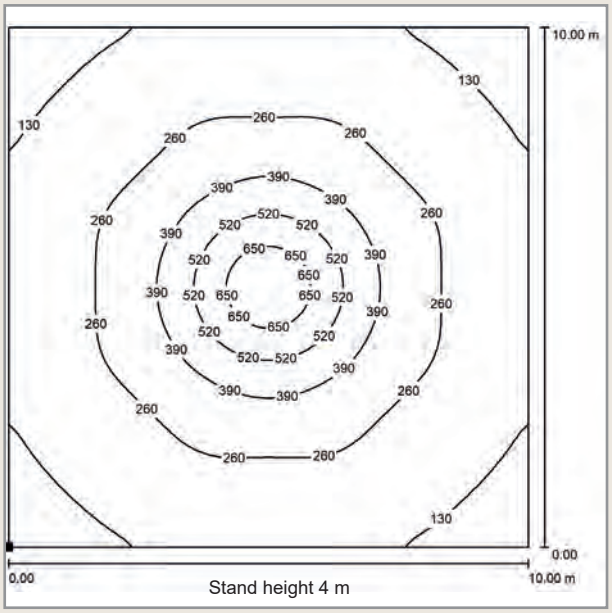
- High-quality industrial push-button
- Housing made of impact-resistant plastic
- Including integrated lashing strap for attachment to stand
- Cable gland with spiral bend protection
- Protection class IP66

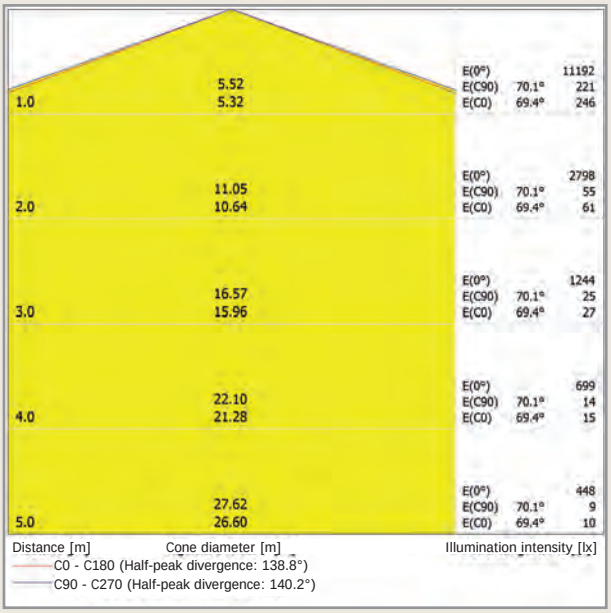
Button	Luminosity
Press button briefly	ON - N8 LED lights up with 100 %.
Press button again briefly	OFF
Press and hold button	Dimming in 20 % steps
Release the button at the desired brightness	N8LED lights in the selected step: 100% / 80% / 60% / 40% / 20%

N8LED 2.1DIMMABLE:

Voltage	BLUE RAL5002	RED RAL3024	ANTHRACITE DB703
230 V AC	N8BLD3001	N8RTD3001	N8GRD3001

Scope of supply: 1 x N8LED 2.1 dimmable, 1 x stand adapter for DIN peg assembly,
14 m feed line with plug system, stopper, and push-button for switching on/off and dimming





– other models on request / subject to modification and errors –

www.n8led.com

Voltage	230 V AC +/- 10%
or	42 V AC +/- 10%
Rated frequency	50 Hz
Power consumption	360 watt
Protection type	IP 65
Protection Class	II
Category DGUV informations 203-005	K2
Usage temperature range	-25°C to +40°C
Dimensions (Ø x H)	640 x 90 mm
Number of LEDs	8 x 27 LEDs
Weight	18.0 kg
Angle of emission	360 degrees
Total luminous flux	41,574 lumens
Daylight colour	5,000 Kelvin
German utility model	20 2012 009 175.1
Community design	001350060

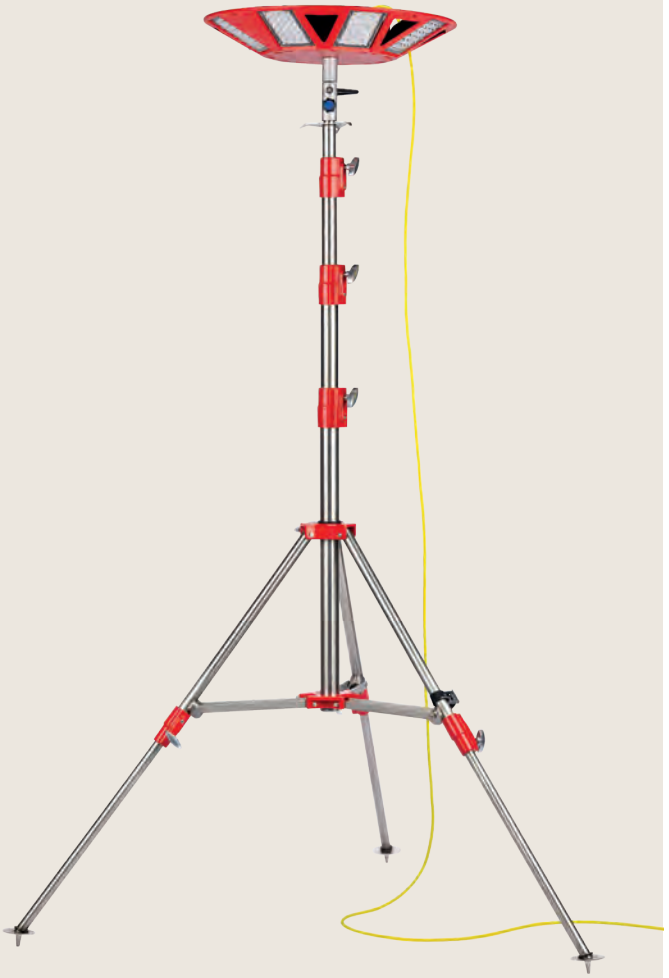


Illustration with stainless steel industrial and fire brigade stand
Type IFW 2.0: **Bestell-Nr. TV7845SA**

or THW model: **Order no. TW7840SA**

– Detailed information,
further stands and mounting kits from page 13.1 -

The spring cotter pin serves as an additional safety device for the stand adapter, so that the expansion flanges cannot be unlocked - for unlocking the expansion flanges, slip the ring over.





Pass the cable through the opening with the recess - Attach the angle coupling to the connector - Place the strain relief ball in the recess - DONE.

– other models on request / subject to modification and errors –

Accessories and spare parts		Order number
	Carrying case with adjustable carrying strap for storing and transporting N8LED, cable, accessories and operating instructions. The cable and operating instructions are stowed on the suspended ceiling, which is fixed with three Velcro fasteners. Underneath is the compartment for the N8LED. Under the N8LED is another pocket for accessories (stand adapter, chain, etc.).	**828-501**
	Aluminium frame case for storing and transporting N8LED, cable, accessories and operating instructions. Ideal for heavy-duty use.	**828-502**
	LED module consisting of: 1 aluminium carrier, 1 LED board, 1 heat conduction mat, 1 PU seal, 1 lens cover, 1 mounting material	**828-350N** (without frame) **828-350N-R** (with aluminium frame)
	Stand adapter with tilt joint and expansion flanges for mounting on a DIN peg.	**828-400**
	Chain set consisting of: 1 carabineer hook VA 7x70 mm 6 carabineer hooks VA 6x60 mm 4 carabineer hooks VA M8x20 + ring nuts VA M8, self-locking 4 pc. à 50 cm round steel chain VA	**828-600**
	Fastening set consisting of each 3 x: 7.5 m polyamide-fastening rope Ø 4 mm as per DIN EN ISO 1140, color: white; 1 carabiner as per DIN 5299–C80; 1 ring, high-gloss galvanized, A 40 x 5,as per DIN 5296; 1 rope thimble as per DIN 6899; 2 wire rope clamps, oval; 1 adjustment element, galvanized, for adjusting the rope length	**AS750X3**
	Ground anchoring set 3 x ground anchors: 400 mm long, hot-dip galvanized	**EA400**

– other models on request / subject to modification and errors –

www.youtube.com/ELSPROTV

ELSPRO LUMITOWER LED II



- delivery includes transport bag -

MODELS:

Lamp	Output	Luminous Flux LED Panel	Dimensions (H x Ø)	Weight	Cable with Plug	Order No. 24 V AC	Order No. 42 V AC	Order No. 230 V AC*
LED-Panel	200 W	28.100 lm	590 x 270 mm	9,7 kg	5 m 10 m	- -	- -	LTL23200/5 LTL23200/10
	180 W	25.250 lm	850 x 270 mm	13,1 kg	5 m 10 m	LTL24180/5 LTL24180/10	LTL42180/5 LTL42180/10	- -
	400 W	55.450 lm		13,4 kg	5 m 10 m	- -	- -	LTL23400/5 LTL23400/10

* Smart Control on demand

SPECIALS FEATURES:

- mobile large area lighting → simple transport
- fast setup and dismantling → immediately usable
- 3-phase-switch protected on the bottom side → I = one-sided (50%)
0 = OFF
II = all-round (100%)
- passive cooling (maintenance-free) → dissipates heat in the interior via aluminum body
- impact protection from silicon-rubber edges → impact- and break-proof construction
- housing of satined polycarbonate (Ø 250 mm without silicon edge protection) → low wind load as a result of the cylindrical shape
- stands on the floor / tripod mounting / hanging → tripod connection for DIN pin (30 mm DIN 14640)
- IP 65 → dust and water proof
- vibration-proof according to DIN EN 60598-1 → suitable for rough operating conditions
- cables of INDUSTRIEFLEX® 07 HT → for special features visit www.elspro.de/en
- Smart Control for 230 V model on demand → intelligent remote control for LUMITOWER LED II via mobile app from a mobile phone or tablet

- other cable lengths and models on request / subject to modifications and errors -

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ELSPRO LUMITOWER LED II



APPLICATIONS

Authorities and organizations with security tasks

- accident reports
- crime scene lighting
- fire investigations
- disaster operation

Industry / Handwork

- construction site lighting
- power plant inspections
- space illumination
- track bed illumination

Outdoor events

- sporting events
- film/theater



ACCESSORIES:

Tripod (detailed information on pages 7-9)









Order No.	Type THW (S. 13.1) **TW7840SA** H 480 cm	Type IFW 2.0 (S. 13.2.1) **TV7845SA** H 415 cm	Type BETA 3 (S. 13.3) **TV7521SA** H 252 cm	Webbing incl. snap hook **LTL005**

– other cable lengths and models on request / subject to modifications and errors –

Handheld Lamps











MODELS:

Voltage	Output	Cable with plug	Order Number
24 V AC/DC	CREE XPG 3 W LED	5 m 10 m	FL0324AS/5 FL0324AS/10

- Cables in INDUSTRIEFLEX ® 07, ultra-fine wire, copper grade 6 -

SPECIAL FEATURES:

- rubber-insulated handgrip → lies firmly and secure in the hand
- on/off rocker switch with protective cap in grip → can be switched on and off directly on the lamp
- cable entry with cable screw connection and anti-bend spiral → wire breakage eliminated as far as possible, few repairs
- flexible metal tube, chromium-plated → enables illumination of difficult-to-access places
- aluminum lamp head, 1-part → no wear and tear, no corrosion
- light toward the front via a polycarbonate plate, with 45° chamfer for lateral light → enables glare-free work with optimal light output

Uses:

- quality control
- final inspections
- repairs
- trouble-shooting
- production
- installation and assembly

FIELDS OF USE:

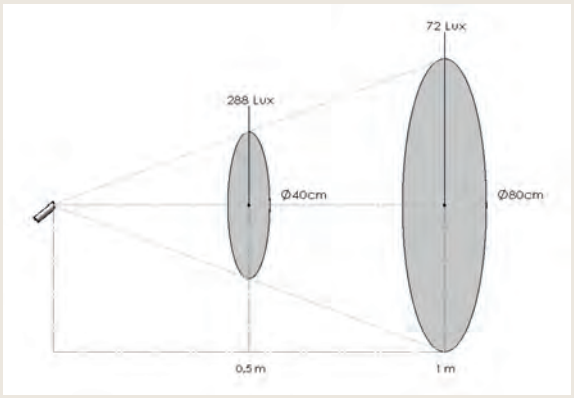
everywhere in industry where illumination with conventional handheld lamps is not possible due to small openings

– other models on request / subject to modification and errors –

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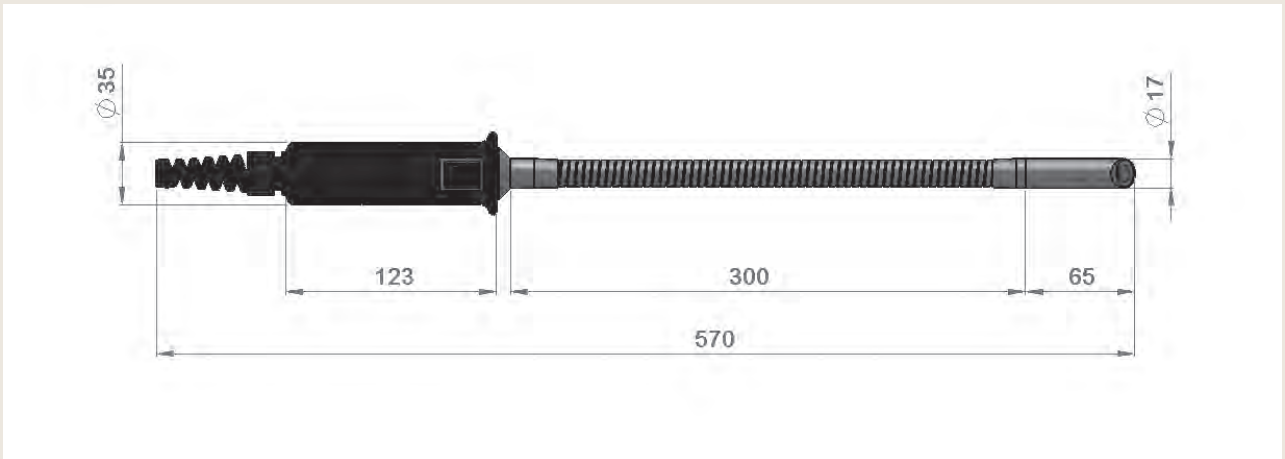


Leuchtenset

Lighting Set

Order No. **FLET2010**
consisting of:
1 mobile ELSPRO safety transformer in solid rubber housing
of the series ESSEN 230 V / 24 V / 50 VA
(order no. 3080114)
1 LED vat and cavity lamp
(order no. FL0324AS/5)

Dimensions (in mm):



– other cable lengths and other models on request / subject to modification and errors –

ELSPRO Hand-held Floodlight Type HSW LED



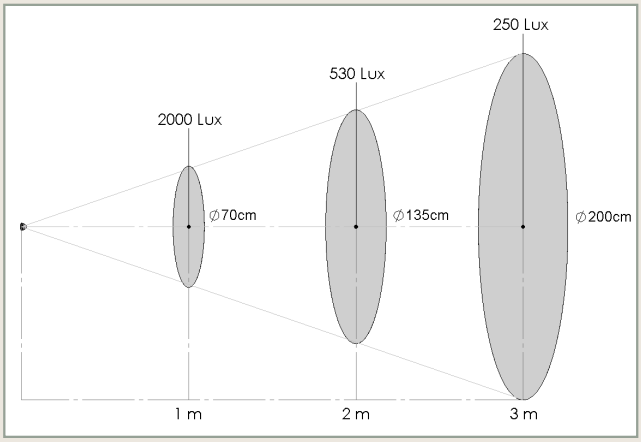
MODELS:

Voltage	Output	Cable with plug	Order Number
24 V AC	9 W	5 m 10 m	S2009/5 S2009/10
42 V AC	9 W	5 m 10 m	S4009/5 S4009/10

SPECIAL FEATURES:

- 9-watt LED behind an aspheric glass lens
- power consumption of maximum 12 watts
- housing of solid rubber
- low heat development as a result of extensively anodized heat link
- combination ON / OFF switch and push-button function

→ high light output
→ low energy input, low energy consumption, high effectiveness
→ vibration-proof
→ the lamp head does not become hot, even when operated continuously – NO BURNS
→ can be switched on and off directly on the lamp





LED Replacement Set:
Art. No. 24 V: S2009AS
Art. No. 42 V: S4009AS

– other models on request / subject to modification and errors –

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ELSPRO HSW Solid Rubber Handheld Floodlight



MODELS:

Voltage	Output	Cable with plug	Order Number
24 V AC/DC	100 W	5m 10m	**S210/5** **S210/10**
42 V* AC	100 W	5m 10m	**S410/5** **S410/10**

FEATURES:

- range 300 m (spotlighting)
- combination ON/OFF switch and key function
- cables in INDUSTRIEFLEX® 07 HT

* Please note: In the lamps with 42 V operating voltage, there is a phase angle control in the CEE plug, so please always use the original plug.

REPLACEMENT PARTS:	Order Number
100 W light source	**S03**
Combination switch	**S09**
Protective rubber cap for S09	**S07**
* Replacement plug for 42V mit inner phase angle control	**S4212/PH**

– other models on request / subject to modification and errors –

ELSPRO HIGH-POWER LED Tube Lamps QS L05
Ø 50 mm Polycarbonate



MODELS:

Light Source	Output	Lumen	Length in m	Cable with Plug	Order No. 24 V AC/DC	Order No. 42 V AC/DC	Order No. 42 V AC	Order No. 230 V AC
42 Mid-Power LEDs	15 W	2,835 lm	614 mm	5 m 10 m	**QL22415/5** **QL22415/10**	**QL24215/5** **QL24215/10**	- -	- -
50 Mid-Power LEDs	40 W	4,100 lm	848 mm	5 m 10 m	- -	- -	**QL4210/5** **QL4210/10**	- -
36 Mid-Power LEDs	12 W	2,100 lm	605 mm	5 m 10 m	- -	- -	- -	**QL2312G/5** **QL2312G/10**
60 Mid-Power LEDs	18 W	3,060 lm	800 mm	5 m 10 m	- -	- -	- -	**QL2318G/5** **QL2318G/10**

- Cables in INDUSTRIEFLEX® 07 HT -

SPECIAL FEATURES:

- IP55 – protected against water jets and dust → SAFETY also when used in wet areas
- Colour temperature 24 / 42 V: 5,000 K; 230 V: 6,500 K → similar to daylight
- protective tube of polycarbonate 1,5 mm wall thickness → long service life, even when subjected to mechanical strain
- solid rubber grip and solid rubber end cap with suspension bracket of stainless steel V2A → the lamp lies slip-resistant and secure in the hand, can also be hung up draft-proof
- the MID-POWER LEDs emit a concentrated white wide-area light → ideal for illuminating at close range, e.g., in the case of inspections, repairs and final inspections
- very low heat development → no danger of injury resulting from burns in the case of direct physical proximity or even contact with the lamp
- the LEDs are vibration-resistant and have an expected service life of up to 50,000 hours → sudden total loss of all diodes is virtually excluded. Light does not shut off completely even at the end of service life. This characteristic means a great degree of operating safety
- low energy consumption, means small transformers with low output in the case of operating voltages of 24 V and 42 V → the transformers are light, easy to handle, and cost-effective
- an integrated electronic power supply unit continuously provides the LEDs in DC operation with constant current → this assures an extremely long service life with optimal light output

- other models on request / subject to modification and errors -

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ELSPRO HIGH-POWER LED Tube Lamps QS L05
Ø 50 mm Polycarbonate



with hard-shell diffusion filter

FEATURES AND QUALITIES:

- high-quality hard-shell diffusion filter already mounted in the factory
- produces homogeneous light
- simple snap-on mounting on support rail
- filter mounting/dismounting without tools
- conversion of the light to direct lighting by removing the filter

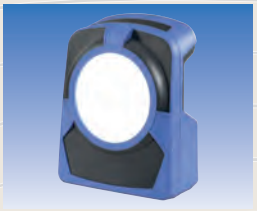


ACCESSORIES:	Order-No.
• 2 pipe clips with rubber sleeves for suspending all tube lamps	**Q01/2**
• 1 magnet holder with strong gripping force incl. retainer clip galvanised	**Q02M/VZ**

- other models on request / subject to modification and errors -

ELSPRO Rechargeable and Battery Powered Lamps

ATEX-approved Models in Chapter 23







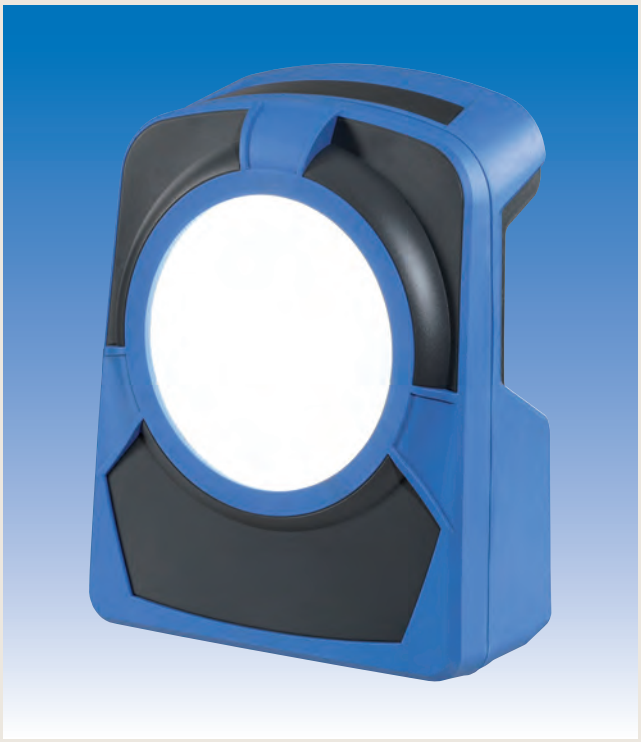






ELSPRO Working Light Type QV LED 28 Rechargeable

The QV LED 28 Rechargeable is the robust panel luminary for mobile power-network-independent use.



SPECIAL FEATURES:

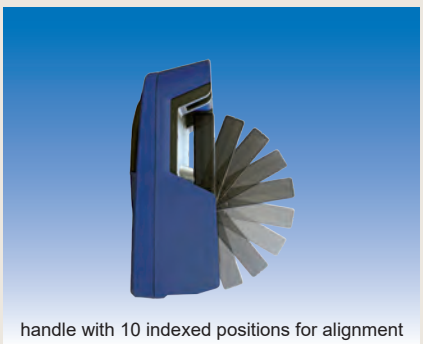
- Housing made of shockproof polycarbonate
- Edge guard made of soft, thermoplastic elastomer
- Handle made of shockproof ABS with 10 indexed positions for alignment
- Robust 2-step switch for 50 and 100 % light power
- LED panel with high light power rating: 4.500 Lumen at 100 % light power, 2.300 Lumen at 50 %
- Low heat generation
- Small space requirement due to flat and compact design
- Easy to transport; ca be set up versatility and in many different positions
- Splashproof
- Delivery includes fast charger 230 V (QVLA01)

MODELS:

Type	Illuminant	Lumen LED Panel	Lighting Duration*	Battery	Charging Time	Colour	Dimensions in cm	Weight incl. Battery	Order No.
QV LED 28	1 LED panel	2.300 lm - 4.500 lm	3,0 - 6,0 h depending on mode	Li-Ion 14,4 V / 6,6 Ah	3,0 h	anthracite blue	L = 36,0 W = 28,0 H = 13,0	2,9 kg	**QVLA2328**

* maximum lighting duration per battery charge depending on the selected light power mode

ACCESSORIES (images on page 19.4):	**Order No.**
fast charger 230 V; 3 hours charging time	**QVLA01**
tripod type BETA 3	**TV7521SA**
basic mounting bracket for attaching the support bar	**TV001**
1-panel support bar	**QVL001**
2-panel support bar	**QVL002**
magnetic mount for 1 piece QV LED battery 28	**QVL01M2**



handle with 10 indexed positions for alignment



fast charger 230 V: 3 hours charging time



tripod BETA 3: TV7521SA

– other models on request / subject to modification and errors –

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ELSPRO Battery Work Light QV LED Battery 60

The QV LED Battery 60 is a robust high-performance work light for battery or mains operation.



FEATURES AND PROPERTIES:

- Robust powder-coated die-cast aluminium housing with rubberised edge and lens protection
- Small space requirement due to compact design
- Easy to transport thanks to rubberised carrying handle
- Display for charge status (100 - 10%) and light output (6,000 - 1,200 lm) on the back of the light
- 5-level dimming function (6,000 / 4,800 / 3,600 / 2,400 / 1,200 lm)
- Hybrid system: battery or mains operation possible
- integrated proximity sensor detects obstacles and switches the light off automatically → increased safety (Fig. 1)
- integrated power bank function (output 5V 1A) for charging mobile devices - Capacity 6,000 mAh (Fig. 2)
- Protection class IP 67 - dust and waterproof (Fig 3)
- Impact resistance IK 07 - impact-resistant and resistant to mechanical stress
- A continuously adjustable 180° swivelling base allows for a variable alignment of the light beam (Fig. 4)
- Base prepared for mounting the ELSPRO base holder with DIN pin receptacle Ø 30 mm (Order No. TV001/5) for tripod mounting of the light
- 120° beam angle for uniform area illumination
- Low charge warning by flashing
- with brightness memory function
- Fluorescent reflector integrated into the lens makes it easier to find the light in the dark (Fig. 5)
- Supplied including 230 V AC charging unit with 5 m mains cable type H05RN-F (Fig. 6)


Fig. 1


Fig. 2


Fig. 3



Fig. 4


Fig. 5


Fig. 6

CONFIGURATIONS:

Type	Light source	Luminous flux	Duration of light*	Battery	Charging time	Colour	Dimensions in cm	Weight incl. battery	Order no.
QV LED battery 60	High-Power COB LED	6.000 - 1.200 lm	1,0 - 6,0 h depending on mode	Lithium-ion 10,8 V / 6,0 Ah	3,0 h - 4,0 h	black and blue	H = 21,3 W = 19,4 D = 7,0	2.600 g	**QVLA60**

* maximum light duration per battery charge depending on the selected mode

COMPONENTS AND ACCESSORIES:	Order no.
Magnetic holder (stainless steel holding rail for clamp attachment with 2 holding magnets) for QV LED Battery 60	**QVL.2MAG**
ELSPRO base mount TV001 incl. DIN pin holder Ø 30 mm with mounting material for QV LED battery 60	**TV001/5**
DELTA 8 aluminium tripod with Ø 30 mm DIN pin - height 220 cm*	**TV7722SA**
SUPERGRIP type special holder - robust gripper clamp with Ø 30 mm DIN pin	**TV7361**

* You can find other suitable stands in tab 13 (LIGHT catalogue)

- Other configurations on request / Subject to changes and errors -

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ELSPRO Battery Work Light QV LED Battery 20

The QV LED Akku 20 is a very handy and lightweight high-performance work light for mobile, off-grid use.





FEATURES AND PROPERTIES:

- Robust powder-coated die-cast aluminium housing with rubberised edge and lens protection
- small footprint and easy to transport thanks to lightweight and compact design
- Display for charge status (100 - 20%) and light output (2,000 - 400 lm) on the back of the light
- 5-level dimming function (2,000 / 1,600 / 1,200 / 800 / 400 lm)
- Integrated power bank function (output 5V 1A) for charging mobile devices - Capacity 6,000 mAh (Fig. 1)
- Protection class IP 67 - dust and waterproof
- Impact resistance IK 07 - impact-resistant and resistant to mechanical stress
- 180° swivel base incl. 2 magnets allows variable alignment of the light beam (Fig. 2)
- 7 position locking stand for positioning incl. ¼“ thread for tripod mounting
- 120° beam angle for uniform area illumination
- Low charge warning by flashing
- with brightness memory function
- Fluorescent reflector integrated into the lens makes it easier to find the light in the dark (Fig. 3)
- Delivery includes 230 V AC charging unit

AUSFÜHRUNGEN:

Type	Light source	Luminous flux	Duration of light*	Battery	Charging time	Colour	Dimensions in cm	Weight incl. battery	Order no.
QV LED battery 20	High-Power-COB LED	2.000 - 400 lm	2.5 hours - 15.0 hours depending on the mode	Lithium-ion 7.2 V / 6.0 Ah	3.0 h - 4.0 h	black and blue	H = 12.1 W = 15.9 D= 4.7	950 g	**QVLA20**

* maximum light duration per battery charge depending on the selected mode


Fig. 1

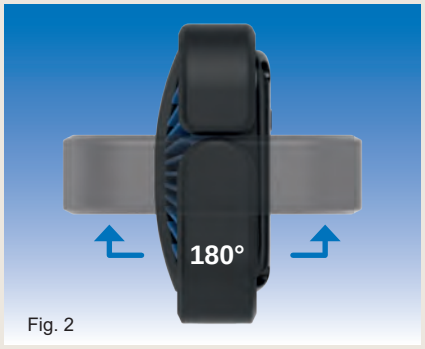


Fig. 2



Fig. 3

- Other configurations on request / Subject to changes and errors -

ELSPRO rechargeable work light QV LED rechargeable 360°

The QV LED rechargeable 360° is a handy and robust cordless work light with a wide range of applications. With innovative lighting and sensor technology, it offers maximum flexibility and safety.



FEATURES AND PROPERTIES:

Two light sources

- Floodlight with 120° beam angle for even, uniform illumination of large areas
- Spotlight with a range of up to 250 m for selective illumination
- continuously dimmable (100% - 10%)
- attachable diffuser for all-round, glare-free working light
- Brightness memory function
- SOS function

Construction and operation

- robust plastic powder-coated die-cast aluminium housing with lens protection
- compact design: small footprint, easy to transport
- 360° continuously rotatable lamp head (Fig. 1)
- 180° continuously adjustable swivel base with ⅜-inch thread for tripod mounting (Fig. 2)
- Hook with spring clip for flexible attachment, belt function and groove for hanging on nails (Fig. 3)
- Stand with integrated magnets – also suitable for curved, metallic surfaces (Fig. 4)

Robustness

- Protection class IP 65 – dustproof and water jet-proof
- Impact resistance rating IK 07 – shock-resistant and resistant to mechanical stress
- Ambient temperature -10°C to +40°C

Scope of delivery

- Battery, USB-C charging cable and clip-on diffuser



Fig 1

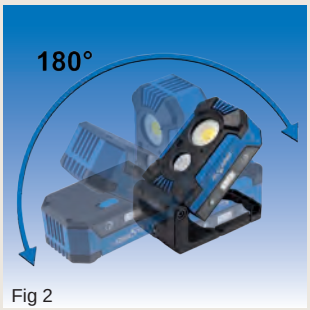


Fig 2


Fig 3


Fig 4

SPECIFICATIONS:

Type	Light source	Luminous flux	Duration of light*	Battery	Charging time	Colour	Dimensions in millimetres	Weight including battery	Order no.
QV LED rechargeable 360°	**Floodlight:** High-Power COB LED **Spotlight:** High-power LED	1,500 – 150 lm (continuously dimmable) 500 - 50 lm (continuously dimmable)	1.5 - 12.0 hours Beam angle 120° 2.0 - 20.0 hours up to 250 m range	Lithium-ion 3.7 V / 5.2 Ah	3.0 - 4.0 hours	black blue	L = 133.0 W = 70.0 H = 60.0	650 g	**QVLA15**

* maximum light duration per battery charge depending on the selected mode

- Subject to changes and errors -

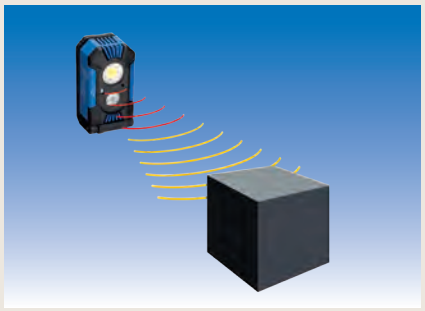
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ELSPRO rechargeable work light QV LED rechargeable 360°

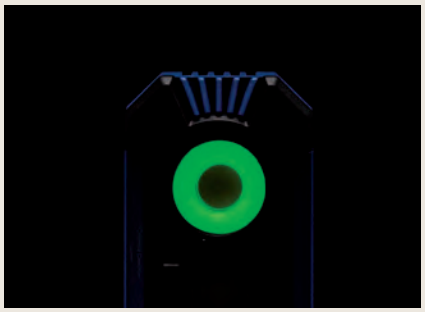
Sensors and safety



Human Body Sensor System (HBS)
360° microwave radar sensor (3-5 m) activates the light only when movement is detected
→ saves battery capacity



Obstacle Detection System (ODS)
Integrated proximity sensor automatically switches off the light when obstacles are detected
→ increased safety



Fluorescent reflector
in the lens makes it easier to find the light in the dark

→ increased safety

Comfort and safety



USB-C interface
Easy charging in max. 4 hours. via USB-C



LCD display
Displays remaining runtime (hours/minutes), charge status, light output (%) and HBS status. Low battery warning indicated by blinking



Multifunctional push button
For switching on/off, dimming and mode change (flood / spot / SOS)

Maximum flexibility



Magnetic mounting
Base with two integrated high-performance magnets – for hands-free use



Stable base
Secure installation, 180° swivel and 360° rotation



Attachable diffuser
For optional glare reduction of the spot and flood lights, as well as all-round work lighting

COMPONENTS AND ACCESSORIES:	Order no.
Lithium-ion battery 3.7 V / 5,700 mA	**QVLA0015**
Fast charger 230 V 20 W Output USB 2 ports (1 x USB-A, 1 x USB-C)	**SNT20USB**

- Subject to changes and errors -

ELSPRO rechargeable work light PROLED 4.0

The ELSPRO EPL40 is a multi-functional battery-powered light designed for a wide range of applications.

The EPL40 can be used as a hand-held work light with a COB LED and a light output of up to 350 lumens or as a handy torch with an additional HighPower LED on the top with 100 lumens. The front COB LED can be adjusted continuously between 10% and 100%.

Thanks to its flat design, the EPL40 can also be used horizontally, for example for inspection work. The magnetic base and the adjustable suspension hook with a stand function allow for a variable alignment of the light beam.

The light can be recharged in 2-3 hours via a USB-C port and be ready for the next working day





FEATURES AND PROPERTIES:

- Compact aluminium housing with rubberised surface around the lens for additional protection
- Protection type IP 54
- High-power COB LED 4 W and high-power LED SMD 3030 1 W for various applications
- multifunctional switch: continuously adjustable work light or flashlight function with longer battery life
- with brightness memory function
- integrated fluorescence reflector in both lenses facilitates finding the light in the dark.
- Low charge warning by flashing
- environmentally friendly and long-lasting Li-Polymer battery
- easy charging via USB-C interface, with integrated charging indicator
- delivery includes rechargeable battery and USB-C charging cable

CONFIGURATIONS:

Type	Light source	Luminous flux	Duration of light*	Battery	Charging time	Colour	Dimensions in cm	Weight incl. battery	Order no.
PROLED 4.0	High-Power-COB LED Hochleistungs-LED	350 100	2,0 h to 20,0 h depending on the mode 3,5 h	Lithium polymer	2 - 3 h	blue-black	H = 11,6 W = 4,4 D = 2,4	120 g	**EPL40**

* maximum light duration per battery charge, the maximum light duration, and light output vary depending on the mode.

COMPONENTS AND ACCESSORIES:	**Order no..**
USB-A/USB-C fast charger 230 V	**SNT20USB**

- Other configurations on request / Subject to changes and errors -

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ELSPRO ULTRA LED USB-C cordless handheld light



The ELSPRO ULTRA LED is a high-quality USB C cordless handheld light for flexible use. Five different light modes enable the user to efficiently adjust the ULTRA LED to the conditions at the place of use and individual lighting needs. With a light output of up to 12,000 lumens, the ULTRA LED is ultra bright!



FEATURES AND PROPERTIES:

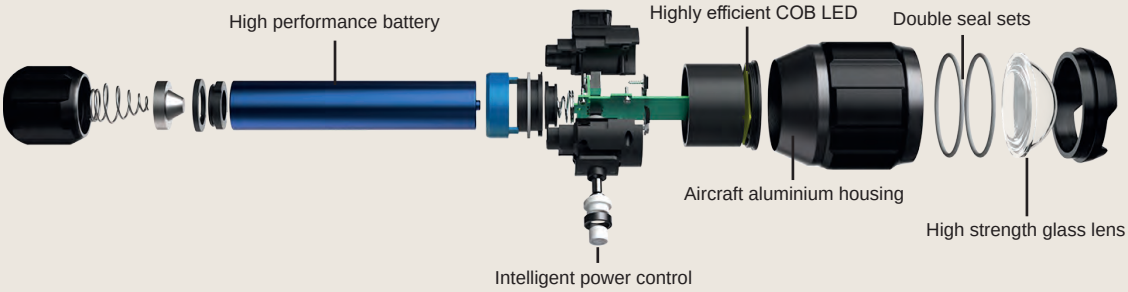
- Anodized aluminium housing with rubberised protective rings
- 5 selectable light modes: 300 lm (low), 3,000 lm (medium), 7,000 lm (high), 12,000 lm (boost) and strobe mode (12,000 lm)
- Focusable light cone: continuous adjustment to spot or floodlight by turning the lamp head (lighting distance up to 200 m)
- Side multifunctional switch: 5 level adjustable light intensity, mode change, charge status display
- Low charge warning (< 25 min) via orange LED on the side
- Light colour 6,000K / Colour rendering index CRI 80
- Protection class IP 65 - dust-tight and jet-proof
- Shock resistance IK 07 - impact-resistant and durable
- Integrated power bank function (output 5V 1A) - capacity 5,000 mAh USB A
- Easy charging via USB C port
- Delivery includes battery and USB C charging cable

CONFIGURATIONS:

Type	Light source	Luminous flux	Duration of light*	Battery	Char-ging time	Colour	Dimensions in cm (L x Ø)	Weight incl. Battery	Order no.
ULTRA LED	High-Power-COB LED	300 lm 3.000 lm 7.000 lm 12.000 lm	12,0 hours 3,0 hours 2,0 hours 30 sec Boost mode **	Lithium ion 7,4 V / 5.000 mAh	9,0 hours	blue-black	29,6 x 7,1	950 g	**EUL120**

* Maximum operating time per set of batteries
** Can be activated multiple times

COMPONENTS AND ACCESSORIES::	Order no.
Lithium-ion-batteryfor ULTRA LED	**EUL002**
USB-A/USB-C fast charger 230 V	**SNT20USB**
Belt retainer with ring for ULTRA LED	**EUL001**



– Subject to changes and errors –

10.25

ELSPRO FOCUS LED 3.0 USB cordless handheld light

The ELSPRO FOCUS LED 3.0 is a high-quality USB cordless handheld light for everyday use. The robust housing, made of T6 aircraft aluminium, the focusing system and powerful LED make the FOKUS LED 3.0 an ideal companion for quick use.

The handheld light is charged via a micro USB connection. The sophisticated design makes it possible to use the battery as a power bank. A flashing blue LED on the right side of the USB-C connection indicates the battery is charging. A red LED on the side indicates the battery level is low.

The ELSPRO FOCUS LED 3.0 can also be used as a battery-operated light with a battery holder and 3 size AAA alkaline batteries.



FEATURES AND PROPERTIES:

- Compact housing made of anodised T6 aircraft aluminium
- Protection type IP 54
- Light beam can be focused
- High light output
- Environmentally-friendly, long-lasting Li-ion battery
- Battery can be used as power bank 2200 mAh USB-C
- Multifunctional switch on the end cap for the settings: 100% / 40% / 10% / SOS function / strobe effect, with magnet
- Warning at low battery charge (< 30 min) via red LED on the side
- Scope of delivery: USB-C charging cable, power bank, battery holder without batteries, belt holster, hand loop



VERSIONS:

Type	Light source	Lumen	Operating time*	Battery / rechargeable battery	Char-ging time	Colour	Dimensions in cm (L x diam.)	Weight incl. battery	Order no.
FOCUS LED 3.0	LED	600 lm	5,0 h	Lithium-Ionen	2,5 - 3,0 h	black	14,9 x 3,5	197 g	**LE10030**
		400 lm	3,5 h	3 pc. AAA alkaline batteries	-				

* maximum operating time per battery charge or set of batteries

COMPONENTS AND ACCESSORIES:	Order no.
Hand loop for FOCUS LED 3.0	**LX-Schlaufe**
Replacement battery for FOCUS LED 3.0	**LE10020AK**
USB-A/USB-C fast charger 230 V	**SNT20USB**
Battery holder for FOCUS LED 3.0	**LE10020BH**
Alkaline-manganese battery size AAA 1.5 V (3 pc. required for the battery holder per light)	**LX-ALK/AAA1,5V**

– additional versions upon request / all rights reserved –

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ATEX - Approved Lights















ELSPRO®

ELSPRO MULTI POWER rechargeable work light

The ELSPRO **MULTI POWER** explosion-proof battery-powered work light has been specially developed for use in potentially explosive areas and, thanks to its sophisticated design, offers a reliable and immediately ready-to-use lighting solution.

Within seconds, the light head can be extended to a height of up to 2.15 m using the integrated 5-piece aluminium telescopic pole.

With four lighting modes up to 5,500 lumens, one-touch switching and a swivelling and tilting lamp head, the lighting can be individually adjusted to the requirements on site.



FEATURES AND PROPERTIES:

- explosion-proof:
  Ex II 2 G Ex eb ib mb IIC T4 Gb
  Ex II 2 D Ex tb IIIC T130°C Db
  Gas Zone 1, 2
  Dust Zone 21, 22
- robust, antistatic housing made of corrosion-resistant and lightweight nylon with non-slip silicone rubber base
- Protection class IP 67 - dust and waterproof
- four different light modes: flood, spot, combined, economy mode (light colour 6,500 K)
- fold-out feet with a snap-in mechanism ensure that the lamp stands securely
- Ambient temperature: -20°C to 55°C
- The lamp head can be adjusted vertically by 115° (Fig. 1) and horizontally by 300° (Fig. 2) to the desired lighting angle
- 4-stage battery status indicator (25% each) and low battery capacity warning (Fig. 3)
- Multifunction switch made of robust, wear-resistant and chemical-resistant high-performance nylon (Fig. 4)
- The large switch makes it easier to switch between light modes, even when wearing gloves.
- built-in chemical-resistant and fatigue-free spiral cable
- integrated protection against overcharging, discharging, overheating, short circuit
- Battery life: 500 full charge cycles, LED life: 100,000 hours
- low self-discharge rate of the battery
- Delivery includes 230 V AC charging unit and practical, removable shoulder strap

SPECIFICATIONS:

Type	Light source	Luminous flux	Duration of light*	Battery	Charging time	Colour	Dimensions in cm	Weight including battery	Order no.
MULTI POWER	12 high-power LEDs	5,500 lm 2,500 lm 1,500 lm	6.0 hours 10.0 hours 18.0 hours	Lithium-ion 43.2 V DC 5,000 mAh	< 7.0 h	black	H = 63.0 W = 16.0 D= 28.0	9.8 kg	**AAL081**

* maximum burn time per battery charge; maximum burn time and light output vary depending on mode



Fig 1



Fig 2


Fig 3


Fig 4

- Subject to changes and errors -

02.26

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ELSPRO MULTI POWER rechargeable work light



Mobile luminosity that sets standards:
From a distance of 40 metres to the 20-metre-high dam wall, the MULTI POWER impressively demonstrates its light output of 5,500 lumens. The focused spot beam is clearly visible at the centre of the wall. Meanwhile, the wide light cone evenly illuminates the entire surface of the dam and the surrounding area. A person shown in the image serves as a reference, clearly illustrating the enormous illumination area and intensity of this portable rechargeable explosion-proof work light.

LIGHT MODES:



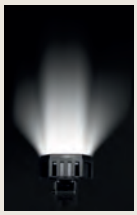
Floodlight

2,500 lm
10 hours
132° flood



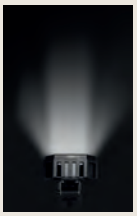
Spotlight

2,500 lm
10 hours
27° focus



combined high

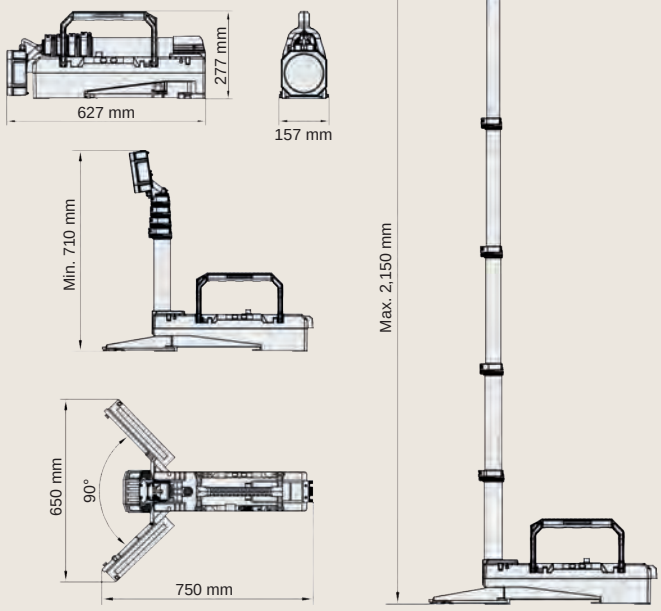
5,500 lm
6 hours
27° focus
132° flood



combined economy mode

1,500 lm
18 hours
27° Focus
132° flood

DIMENSIONS:



COMPONENTS AND ACCESSORIES:	Order no.
Charging unit for MULTI POWER Input voltage 100-230 V AC / Output voltage 24 V DC	**MP001**
Shoulder strap	**MP002**
Charging cable for car plug / cigarette lighter 12 / 24 V DC	**MP003**

- Subject to changes and errors -

10.25

ELSPRO Rechargeable Work Lamp WORKLITE MINI LYWL-50

The ELSPRO work lamp WORKLITE MINI LYWL-50 was developed for use in extreme working environments and provides users with working light for many hours independent of power supply.
The WORKLITE MINI LYWL-50 is gas explosion-proof for zones 1 and 2 and dust explosion-proof for zones 21 and 22.

The high-power LEDs provide a concentrated area light, while at the same time providing excellent ambient lighting. Lighting duration in high-power operation is 5 hours. If the user wishes to operate the device in economy mode, the lighting duration per battery charge is increased to 10 hours!



FEATURES AND CHARACTERISTICS: :

- Ⓔx II 2 GD Ex e ib mb op is IIC T4 Gb Ex tb op is IIIC T135°C Db
- Protection class IP66/67
- Aluminium - die-cast housing
- Permissible ambient temperature: -20°C to +45°C
- 18 high-power light-emitting diodes with a lifetime of 100,000 operating hours
- Safety glass lens
- Selectable high performance or economy mode
- LED control display for monitoring the charge status
- Accessories: Polycarbonate protective screen for additional lens protection
- Delivery including charger and plug-in power supply 100 - 254 V AC



VERSIONS:

Type	Illumi-nant	Lumen	Lighting Duration*	Battery	Char-ging Time	Housing Material	Dimensions in cm H x W x D	Weight incl. Battery	Order No.
LYWL-50	18 High-Power-LEDs	up tp 3,100	5.0 to 10.0 h	Gel lead battery (12V/10Ah)	8.0 h	Aluminium Die-casting	38.1 x 28.1 x 29.7	9.3 kg	**LYWL-50**

* maximum lighting duration per battery charge

COMPONENTS AND ACCESSORIES:	Order No.
Polycarbonate protective screens (PU = 3 pcs)	**LYW-3130/3**
Gel lead battery WORKLITE MINI LYWL-50 (10 Ah)	**LYW-3200**
Charger for WORKLITE MINI LYWL-50	**LYWL-125**







- other models on request / subject to modification and error -

07.21

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ELSPRO Rechargeable Hand Lamp LYH-251ALED

The rechargeable hand lamp type LYH-251ALED complies with the provisions of the 94/9/EC directive for potentially explosive atmospheres.

Equipped with a high-power LED, the LYH-251ALED produces a penetrating beam of light with a far-reaching spot and achieves an extremely long light duration of 24 hours per battery charge.

Due to its technical characteristics, the LYH-251ALED is the ideal battery-operated hand lamp for use by fire brigades and in industrial areas with high demands in terms of explosion protection.





FEATURES AND CHARACTERISTICS:

- Ⓔx II 2GD Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +40°C)
  Ex ib IIIB T170°C Db
  gas zone 1, 2 / dust zone 21,22
- Protection class IP 66 - dust-proof and protected against water jets
- Very robust, resistant, anti-static thermoplastic housing
- Permissible ambient temperature:: –10°C und +40°C
- Maximum surface temperature: 170°C
- 6 mm thick lens glass
- With emergency failure system
- Delivery includes detachable shoulder strap
- Versions with chargers for charging to 230 V AC or 12/24 V DC for direct connection available in the vehicle

SPECIAL FEATURES:

Type	Illuminant	Lumen	Lighting Duration*	battery	Charging Time	Colour	Dimensions in cm	Weight incl. Battery	Order No.
LYH-251ALED without LU	High-Power-LED:	210 lm	up to 18,0 h	Lead Battery 4.0 V 5.0 Ah	8.0-24.0 h	black	L = 18.8 W = 13.2 H = 14.0	1,1840 g	**LYH-251A-LED**
incl. loading unit 230 V AC									**LYH-223A-LED**
incl. loading unit 12 V DC (direct connection)									**LYH-212A-LED**

* maximum lighting duration per battery charge
** duration per battery charge is depending on the voltage

COMPONENTS AND ACCESSORIES:	Order No.
High-Power-LED for LYH-251ALED	**LYH-88P**
Loading unit 230 V AC for LYH-251ALED	**LYC-251HVE**
Loading unit 12 V DC (direct connection) for LYH-251ALED	**LYC-251LV**
Lead Battery for LYH-251ALED	**LYH-66**

- other models on request / subject to modification and error -

10.25

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ELSPRO Rechargeable Hand Lamp WOLFLITE XT

Due to their technical characteristics, WOLFLITE XT battery hand lamps are excellently suited for use in industrial areas with high demands regarding explosion protection. All three types feature high-power LEDs and can be used either in normal operation or in economy mode, which doubles the operating time per battery charge. A display integrated in the lamp housing informs the user about the current charge or battery status.





FEATURES AND CHARACTERISTICS:

- **XT-50/XT-70/XT-90:**
  Ⓔx I M2/II 2GD
  Ex ib IIC I MB/IIC T4 Gb IP67
  Ex ib IIIB T185°C Db
  (-30°C ≤ T_a ≤ +40°C)
- **XT-75:**
  Ⓔx I M1/II 1G2D
  Ex ia IIC I Ma/IIC T4 Ga IP67
  Ex ib IIIB T185°C Db
  (-30°C ≤ T_a ≤ +40°C)
- Protection class IP 67 – protected against ingress of dust and water
- Very robust, resistant, anti-static thermoplastic housing
- Permissible ambient temperature: -30°C und +40°C
- Scratch-resistant glas lens
- Emergency illumination power fail mode
- Integrated charging indicator
- Adjustable ntegral stand
- Delivery includes detachable shoulder strap
- Versions with chargers for charging to 230 V AC or 12/24 V DC

VERSIONS:

Type	Illuminant	Luminous flux	Lighting Duration*	Battery	Charging Time	Colour	Dimensions in cm	Weight incl. Battery	Order No.
XT-50 without LU	High-Power-LED: 1 x white spot	350 lm	4.0-8.0 h	Lithium-Ion	2.0 h	black	L = 19.0 W = 12.0 H = 13.6	1,200 g	**LYXT-50**
incl. loading unit 230 V AC									**LYXT-50H**
incl. loading unit 12/24 V DC									**LYXT-50L**
XT-70 without LU	High-Power-LED: 1 x white spot 1 x white flood		7.5-15.0 h		3.5 h				**LYXT-70**
incl. loading unit 230 V AC									**LYXT-70H**
incl. loading unit 12/24 V DC									**LYXT-70L**
XT-75 without LU	High-Power-LED: 1 x white spot 1 x white flood		7.5-15.0 h		3.5 h				**LY2XT-75**
incl. loading unit 230 V AC									**LY2XT-75H**
incl. loading unit 12/24 V DC									**LY2XT-75L**
XT-90 without LU	High-Power-LED: 1 x white spot 1 x white flood 1 x green signal 1 x red signal		11.0-22.0 h		4.5 h				**LYXT-92S**
incl. loading unit 230 V AC									**LYXT-92SH**
incl. loading unit 12/24 V DC									**LYXT-92SL**

* maximum lighting duration per battery charge depending on the selected light power mode

- other models on request / subject to modification and error -

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ELSPRO Rechargeable Hand Lamp WOLFLITE XT







COMPONENTS AND ACCESSORIES:	Order No.
Lamp modul (reflector and LEDs) for WOLFLITE XT-50	**LYXT-210**
Lamp modul (reflector and LEDs) for WOLFLITE XT-70 and XT-75	**LYXT-220**
Lamp modul (reflector and LEDs) for WOLFLITE XT-90	**on request**
Loading unit 230 V AC for WOLFLITE XT series	**LYXT-200H**
Loading unit 12/24 V DC for WOLFLITE XT series	**LYXT-200L**
Lithium-ion battery for WOLFLITE XT-50	**LYXT-202**
Lithium-ion battery for WOLFLITE XT-70 and XT-75	**LYXT-204**
Lithium-ion battery for WOLFLITE XT-90	**LYXT-206**
Shoulder strap for WOLFLITE XT series	**LYH-35SB**

- other models on request / subject to modification and error -

05.19

ELSPRO Rechargeable Hand Lamp LYR

The rechargeable hand lamp LYR is a perfectly thought-out lamp. Designed for use in potentially explosive areas, it also has a power failure monitor: the LYR hand lamp is hooked into the charger when switched on. As soon as the charging process starts, the light goes out. A sudden power failure causes the battery light in the charger cradle to switch on automatically.
The practical charger cradle enables the lamp to be grasped quickly, even when wearing thick gloves (one-hand technique).
The sturdy clip on the lamp head allows the LYR to be securely attached to belts, clothing, belts, etc. You can use the lamp while working, as both hands remain free!





FEATURES AND CHARACTERISTICS:

- Protection class IP 67 - dust- and waterproof
- Permissible ambient temperature: -40 °C and +40 °C
- Maximum surface temperature: 200 °C
- Robust, skid-resistant lamp housing made of anti-static thermoplastic, 90° angled lamp head
- With high-power LED
- Additional protection against impact by rubber rings on lamp head and end cap
- Adjustable economy mode by double switch actuation
- Charging options: at 230 V AC und 12 V / 24 V DC
- Charge status display via LED technology
- **LYR-50:** Ⓔx I M2/II 2GD Ex ib op is I Mb/IIC T4 Gb (-40°C<Ta<+40°C) Ex ib op is IIIB T200°C Db

  LYR-55: Ⓔx I M1/II 1G2D Ex ia I Ma/IIC T4 Ga (-20°C/-30°C/-40°C ≤ T_a ≤ +40°C) Ex ib IIIB T200°C Db

VERSIONS:

Type	Illuminant	Luminous flux	Lighting Duration*	Battery	Charging Time	Colour	Dimensions in cm	Weight incl. Battery	Order No.
LYR-50 without loading unit	LED 3 W	up to 243 lm	3.5 h normal operation 6.5 h economy mode	Lithium-Ion (7.4 V / 2.4 Ah)	3.0 h	yellow	W = 8.0 L = 19.5	375 g	**LYR-50**
with loading unit 230 V AC									**LYR-50H**
with loading unit 12V/24V DC									**LYR-50L**
LYR-55 without loading unit	LED 3 W	up to 243 lm	3.5 h normal operation 6.5 h economy mode	Lithium-Ion (7.4 V / 2.4 Ah)	3.0 h	yellow	W = 8.0 L = 19.5	375 g	**LY2R-55**
with loading unit 230 V AC									**LY2R-55H**
with loading unit 12V/24V DC									**LY2R-55L**

* maximum lighting duration per battery charge

- other models on request / subject to modification and error -

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ELSPRO Rechargeable Hand Lamp LYR







COMPONENTS AND ACCESSORIES:	Order No.
Lithium-ion-battery for LYR series	**LYR-271**
Lamp holder without electronics for storing the LYR and LYTR series	**LYRC-460**
Charging bracket for LYR series	**LYRC-200**
Plug transformer 230 V AC	**LYRC-300**
Charging cable 12 V DC for direct connection	**LYRC-452**
Charging cable 12 V DC connector for cigarette lighter	**LYRC-454**

- other models on request / subject to modification and error -

05.19

ELSPRO Battery Hand Lamps LYT with LED

The heavy-duty hand lamps of the LYT series are especially suitable for use in hazardous areas.

In contrast to the LYTS models, all LYTR versions have a 90° angled lamp head and a sturdy carrying clip so they can be easily attached to a belt or other garments. This ensures good lighting conditions and at the same time free hands when working.



FEATURES AND CHARACTERISTICS:

- Dust and waterproof
  Protection class IP67: models LYT-30+ and LYT-35+
  Protection class IP66/67: models LYT-60 and LYT-65
- Wear-resistant, antistatic thermoplastic housing
- Tempered glass lens; LYT-60: polycarbonate lens
- LYT-65: 3 selectable light modes
- Red signal LED indicates low battery power (with the exception of model LYT-60)

- **LYTS-30+:** Ⓔx I M2/II 2GD
  Ex ib I Mb / IIC T4 Gb (-20°C ≤ T_a ≤ +40/55°C)
  Ex ib IIIB T130°C Db
- **LYTR-30+:** Ⓔx I M2/II 2GD
  Ex ib I Mb / IIC T4 Gb (-30°C ≤ T_a ≤ +40/55°C)
  Ex ib IIIB T130°C Db
- **LYTS-35+:** Ⓔx I M1/II 1G2D
  Ex ia I Ma / IIC T4 Ga (-20°C < T_a ≤ +40/55°C)
  Ex ib IIIB T130°C Db
- **LYTR-35+:** Ⓔx I M1/II 1G2D
  Ex ia I Ma / IIC T4 Ga (-30°C ≤ T_a ≤ +40/55°C)
  Ex ib IIIB T130°C Db
- **LYT-60:** Ⓔx I M2/II 2GD
  Ex ib I Mb / IIC T3/T4 Gb (-30°C ≤ T_a ≤ +40°C)
  Ex ib IIIB T200°C Db
- **LYT-65:** Ⓔx I M1/II 1G2D
  Ex ia I Ma/IIC T3/T4 Ga (-30°C ≤ T_a ≤ +40°C)
  Ex ib IIIB T200°C Db









Type	permissible ambient temperature	maximum surface temperature (dust)
LYTS-30+	-20°C to +40/55°C	+130°C
LYTR-30+	-30°C to +40/55°C	+130°C
LYTS-35+	-20°C to +40/55°C	+130°C
LYTR-35+	-30°C to +40/55°C	+130°C
LYT-60	-30°C to +40°C	+200°C
LYT-65	-30°C to +40°C	+200°C

AUSFÜHRUNGEN:

Type	Illuminant	Luminous flux	Lighting Duration*	Battery	Colour	Dimensions in cm W x L	Weight incl. Battery	Order No.
LYTS-30+	High-Power-LED	up to 130 lm	14.0 h + 3.0 h economy mode	2 pcs alkaline battery size D /1.5 V (LR20)	yellow	6.0 x 20.0	475 g	**LYTS-30+**
LYTR-30+						8.0 x 19.5	500 g	**LYTR-30+**
LYTS-35+						6.0 x 20.0	475 g	**BH2L010**
LYTR-35+						8.0 x 19.5	500 g	**BH2L009**
LYTS-60		220 lm	up to 12.0 h	4 pcs alkaline battery size AA /1.5 V (LR6)		4.7 x 17.5	250 g	**BHL033**
LYTR-60		200 lm				7.5 x 17.6	330 g	**BHL024**
LYTS-65		up to 330 lm	7.0 h to 14.0 h depending on mode			4.7 x 17.5	250 g	**BHL032**
LYTR-65		up to 300 lm				7.5 x 17.6	330 g	**BHL025**

* maximum lighting duration per battery charge

- other models on request / subject to modification and error -

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ELSPRO Battery lamps MICRO / MINI / MIDI

FEATURES AND CHARACTERISTICS:

- Wear-resistant, anti-static thermoplastic housing with scratch-resistant polycarbonate lens
- Protection class IP 67 – protected against ingress of dust and water
- LED technology
- Handy end cap switch for instantaneous and continuous operation, M-85 with pressure switch behind the lamp head for easy operation even with gloves
- Sturdy clip for attaching the lamp to clothing, for example, M-85 with anti-roll base
- Explosion-proof light-weight hand lamps for flexible use according to the following approval codes:
  - **LY2M-10:** Ex I M1/II 1G/II2D Ex ia I Ma/IIC T5 Ga (-40°C < T_a < +50°C) Ex ib IIIB T95°C Db IP67
  - **LY2M-40:** Ex I M1/II 1G/II 2D Ex ia I Ma/IIC T4 Ga (-40°C ≤ T_a ≤ +50°C) Ex ib IIIB T125°C Db IP67
  - **LY2M-60:** Ex I M1/II 1G/II 2D Ex ia I Ma/IIC T4 Ga (-40°C ≤ T_a ≤ +50°C) Ex ib IIIB T130°C Db IP67
  - **LY2M-85:** Ex I M1/II 1G 2D Ex ia I Ma Ex ia IIC T3/T4 Ga Ex ib IIIB T200°C Db





VERSIONS:

Type	Illuminant	Luminous flux	Lighting Duration*	Battery	Colour	Dimensions in cm L x Ø	Weight incl. Battery	Order No.
MICRO M-10	1 LED	24 lm	2.0 h	4 pcs button cell battery size LR44	yellow	7.0 x 2.2	25 g	**LY2M-10**
MINI M-40	3 LED	44 lm	10.0 h full power	3 pcs alkaline battery size N		14.5 x 2.2	60 g	**LY2M-40**
MINI M-60	1 watt CREE LED	up to 139 lm	up to 3.0 h	3 pcs alkaline battery size N		14.5 x 2.2	60 g	**LY2M-60**
MIDI M-85	High-Power-LED	up to 210 lm	up to 7.0 h	4 pcs alkaline battery size AA		17.0 x 4.5	190 g	**LY2M-85**

* maximum lighting duration per battery charge

COMPONENTS AND ACCESSORIES:	Order No.
Helmet holder for Centurion helmets and helmets with Euro 30 slot for the models M-40 and M-60	**LYM-660**
Helmet holder for Centurion helmets and helmets with Euro 30 slot for the model LYM-85	**LYM-680**
Nylon belt holder black for the model LYM-85	**LYM-681**
Alkaline batteries type LR44 / AG 13 (pack of 2 pcs) for the model M-10 (4 pcs per lamp required)	**LZ-AG13**
Alkaline battery size N 1.5 V for the models M-40 and M-60 (3 pcs per lamp required)	**LX-ALK/N1,5V**
Alkaline battery size AA 1.5 V for the model M-85 (4 pcs per lamp required)	**LX-ALK/AA1,5V**

- other models on request / subject to modification and error -

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ELSPRO LYM-70 battery-operated light

Small, but mighty: The robust, compact LYM-70 compact mini battery light can easily be stored in a pocket. Despite its small format, it achieves impressive lighting performance of 107 lumens thanks to modern LED technology.

According to its approval code, the LYM-70 is ATEX certified for safe use in potentially explosive gas, vapour, mist and dust atmospheres. It is also approved for use in mining operations according to group I.





FEATURES AND PROPERTIES:

- Wear-resistant, non-conductive thermoplastic housing with scratch-resistant polycarbonate lens
- Protection class IP 67 – protected against the ingress of dust and water
- State-of-the-art LED technology
- Practical end cap switch for momentary and continuous operation
- Robust clip for attaching the light to clothing, for example
- Explosion-protected, lightweight handheld light for flexible use according to the following approval codes:

  Ex I M1/II 1GD Ex ia I Ma / IIC T4 Ga
  (-20°C ≤Ta ≤ +40°C) Ex ia IIIC T200 160°C Da

  - Gas zone 0, 1, 2
  - Dust zone 20, 21, 22

VERSIONS:

Type	Light source	Lumino-us flux	Operating time*	Battery	Co-lour	Dimensions in cm L x diam.	Weight incl. batt.	Order no.
MINI M-70	1 high power CREE LED	107 lm	7,0 h	2 pc. AAA alkaline-manganese batteries	yellow	14,6 x 2,2	50 g	**LYM-70**

* maximum operating time per set of batteries

COMPONENTS AND ACCESSORIES:	Order no.
Helmet bracket for Centurion helmets and helmets with euro 30 slot for LYM-70	**LYM-660**
Alkaline-manganese battery size AAA 1.5 volt for model M-70 (2 pc. required per light)	**LX-ALK/AAA1,5V**

– additional versions upon request / all rights reserved –

ELSPRO Head- and Helmet Lamp LYHT

The LYHT-400Z0 and LYHT-650 head and helmet lamps have been specially designed for use in potentially explo-sive atmospheres.

Both models are approved for zones 0, 1, 2, 20, 21 and 22. Due to its light ergonomic design, the LYHT lamp is very comfortable to wear.

An adjustable headband makes it possible to carry the lamp directly on the head. Four helmet clips can be used to attach the LYHTs to protective and safety helmets. The LYHT lamps therefore always provide good lighting conditions without hindering the user at work.



LY2HT-650

LY2HT-400Z0

FEATURES AND CHARACTERISTICS:

- Explosion-proof according to the following approval codes :
  LY2HT-650:
  Ex I M1/II 1G Ex ia I Ma / IIC T4/T3 Ga
  II 2D Ex ib IIIB T155°C Db

  LY2HT-400Z0:
  Ex II 1G Ex ia IIC T4 Ga
  II 2D Ex ib IIIB T125°C Db
- Protection class IP 67
- High wear comfort due to light ergonomic design
- Robust, anti-static thermoplastic housing
- Permissible ambient temperature: -20°C to +40°C
- Scratch-resistant polycarbonate lens
- Wide beam point light with homogeneous environment
- High light output up to 75 or 130 lumen
- Adjustable elastic headband

VERSIONS:

Type	Illuminant	Lumen	Lighting Duration*	Battery	Colour	Dimensions in cm H x W x L	Weight incl. Battery	Order No.
LYHT-400Z0	High-Power-LED	up to 75	up to 8.5 h	3 pcs alkaline battery size AAA	yellow	7.6 x 4.2 x 4.4	90 g	**LY2HT-400Z0**
LYHT-650	High-Power-LED	up to 130	up to 17.0 h	3 pcs alkaline battery size AA	yellow	8.4 x 5.2 x 5.6	180 g	**LY2HT-650**

* maximum lighting duration per battery charge

COMPONENTS AND ACCESSORIES:	Order No.
Alkaline battery size AAA / 1.5 V for the model LYHT-400Z0 (3 pcs per lamp required)	**LX-ALK/AAA1,5V**
Alkaline battery size AA / 1.5 V for the model LYHT-650 (3 pcs per lamp required)	**LX-ALK/AA1,5V**

- other models on request / subject to modification and error -

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ELSPRO POWER 220 Headlamp and Helmet Light

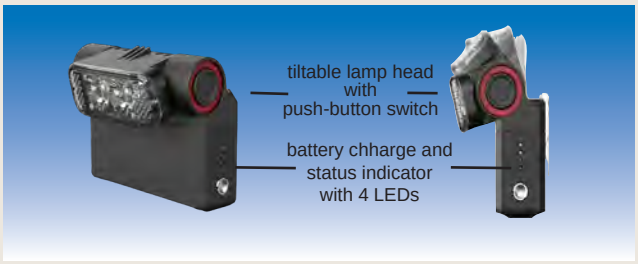
The POWER 220 is a rechargeable, explosion-proof headlamp and helmet light designed for demanding applications in coal mining, as well as for gas zones 0, 1 and 2 and dust zones 21 and 22.

Its robust housing, made from high-performance nylon, offers impressive, long-lasting antistatic properties, low weight and high resistance to corrosion, oil and ageing.

For optimum illumination, the lamp head can be tilted by up to 108° and flexibly adjusted to suit the specific work area. The POWER 220 thus combines a high level of wearer comfort, reliable lighting and safety in potentially explosive atmospheres.



Charging cradle with USB-C input



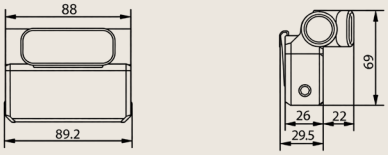


versatile attachment options for head and helmet use

FEATURES:

- robust, lightweight nylon housing
- IP 67 degree of protection – dust-tight and waterproof
- explosion-proof
  Ⓔx I M1 Ex ia I Ma
  Ⓔx II 1 G Ex ia IIB T4 Ga
  Ⓔx II 2 G Ex ib IIC T4 Gb
  Ⓔx II 2 D Ex ib IIIB T130°C Db
  Gas zone 0, 1, 2
  Dust zone 21, 22
  Temperature range: -40 °C to +55 °C
- Front lens made of high-performance nylon
- 2 high-performance Lumileds LEDs
- 3 selectable lighting modes via a multifunctional side push-button switch: work mode, high mode and SOS signal mode
- lamp head tiltable through 108°
- battery charge and battery status indicator with 4 LEDs integrated into the housing
- side-mounted multifunctional push-button switch
- rear pocket clip for attaching the light to a breast pocket, for example
- Supplied with an elastic headband, charging cradle with USB-C input and 230 V AC plug-in power supply

DIMENSIONS:



VERSIONS:

Type	Light source	Luminous flux	Duration of light*	Battery	Charging time	Colour	Dimensions in cm W x H x D	Weight incl. battery	Order no.
POWER 220	2 LEDs	220 lm (high mode) 100 lm (work mode) 100 lm (SOS)	9.0 hours 16.0 hours	Lithium-ion 3.6 V / 3.35 Ah	5.0 hours	black	8.9 x 6.9 x 3.0	159 g	**KL009**

* Maximum runtime per battery charge
Runtime and light output vary depending on the selected mode

COMPONENTS AND ACCESSORIES:	Order no.
Spare battery for the POWER 220	**P001**
Head/helmet strap for the POWER 220	**P002**
Helmet mount for the POWER 220	**P003**

- Other versions available on request / subject to change and errors

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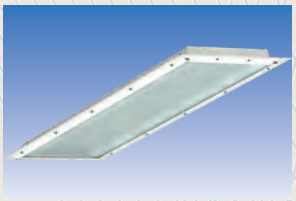
Line and stationary luminaires – ATEX













ELSPRO LED floodlight LYWF-300XL



LYWF-300XL with optional stainless steel support frame

VERSIONS:

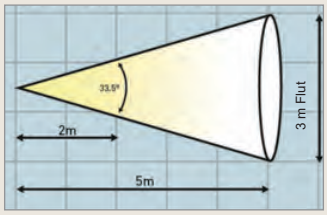
Voltage Input	Illuminant	Lumen	Cable	Order No. without frame	Order No. with frame
230 V AC	36 pcs High-Power-LED	6,378 lm	without	**LYWF-300H/-**	-
			10 m SL07HT 3 G 2.5 mm²	-	**LYWF-300HG/10**

- device connecting cables INDUSTRIEFLEX® 07 HT -

+ The version with supply cable is optionally available with a steel or CEAG plug on the input side upon request.
+ The 230 V version is optionally available with 1 steel or CEAG built-in socket on the rear output side upon request.

FEATURES AND CHARACTERISTICS:

- Robust aluminum housing, plastic powder-coated
- Hardened glass lens
- 2 independent modules with 18 LEDs each
- Explosion-proof:
  - Ex II 2 G D Ex eb mb op is IIC T4 Gb
  - Ex tb op is IIIC T118°C Db T= -40°C bis +55°C
- Protection class IP 66/67
- Ambient temperature -40 bis +55 °C
- Dimensions housing (DxWxH) approx. 370x280x480 mm
- Weight (without rack/cable) 5.50 kg
- Optional frame and protective grille made of stainless steel The version without frame is supplied with mounting bracket for assembly.
- Indication function (flashing mode) as soon as the lamp is not operated within the permissible voltage range.
- Lifetime ≥ 100.000 operating hours



- other models on request / subject to modification and error -

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ELSPRO LED floodlight LYWF-300XL



magnet set LYWF-545



safety mesh LYWF-480



scaffold attachment kit LYWF-699

COMPONENTS AND ACCESSORIES:	Order-No.
Tripod medium for LYWF-300XL	**LYLL-699**
Tripod heavy for LYWF-300XL	**LYLL-668**
“Z” bracket and bolts for tripods LYLL-668 and LYLL-699	**LYLL-669**
safety mesh made of V2A steel for LYWF-300XL*	**LYWF-480**
Magnet set (4 pcs magnets) for LYWF-300XL*	**LYWF-545**
Scaffold attachment kit for LYWF-300XL*	**LYWF-699**
Front protective cover 1 piece for LYWF-300XL	**LYWF-421**
Front protective cover 3 pieces for LYWF-300XL	**LYWF-421/3**

* Attention: to be used for versions **with frame** only

- other models on request / subject to modification and error -

06.23

Ex Trough Light
EXTRA-EX1 - Zone 1, 21



MODELS:

Voltage input	Power	Lumen	T_a max	Dimensions	Weight	Order no.
220-240 V AC 50/60 Hz, 220-240 V DC	17.8 W	2,404 lm	≤+55°C	670x155x110 mm	4.09 kg	**EXTRA-EX1-67079**
	25.6 W	3,295 lm	≤+50°C			**EXTRA-EX1-67080**
	35.5 W	4,809 lm	≤+55°C	1,280x155x110 mm	5.20 kg	**EXTRA-EX1-64095**
	50.4 W	6,591 lm	≤+50°C		4.96 kg	**EXTRA-EX1-67082**
	62.5 W	8,239 lm	≤+45°C	1,580x155x110 mm	5.70 kg	**EXTRA-EX1-67086**
	94.4 W	12,132 lm	≤+30°C		5.48 kg	**EXTRA-EX1-67087**

- Versions with DALI-2 control and 3-hour battery emergency lighting function available on request -

SPECIAL FEATURES:

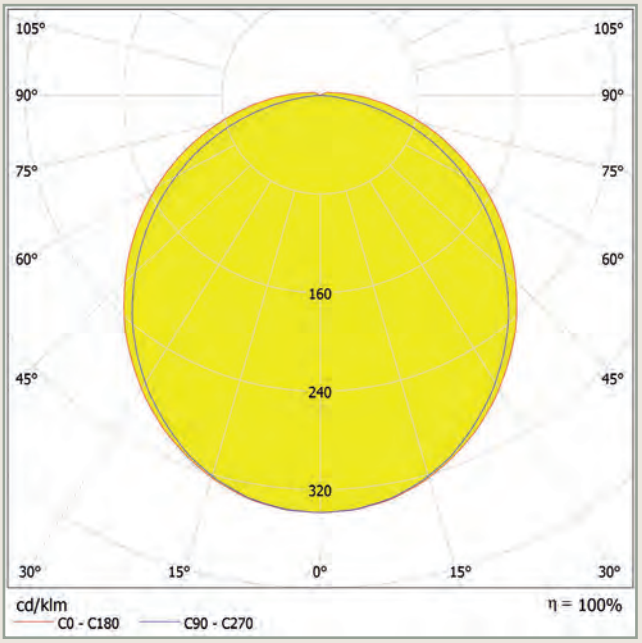
- High-power LED with up to 158 lm/W → High light output
- Light colour 4,000 K. → Neutral white (6,500 K on request)
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L90B50 Ta 25- up to 110,000 hours → Proven longevity
- Ex II 2G Ex eb mb IIC T4 Gb
  Ex II 2D Ex tb IIIC T85°C Db
  Gas Zone 1
  Dust Zone 21 → ATEX certificate FTZU 25 ATEX 0055X
- Polycarbonate housing and cover, stainless steel diffuser clips → IK10, resistant to mechanical stress (protection against impacts with an impact energy of up to 20 joules)
- Includes two stainless steel brackets for wall and ceiling mounting as standard → Easy installation on the ceiling or wall of the room to be illuminated
- Standard configuration: 2 x M20 x 1.5 Ex cable glands and 2 x M20 Ex stopping plugs (alternatively M25) → Line diameter of 7-13 mm
- Protection class 1
- IP 66 / IP 67 → Dust-tight and protected against water jets
- Ambient temperature: -30°C≤T_a≤+50°C → Use even with large temperature fluctuations
- Optionally with single-phase or three-phase through-wiring

– Further models on request / subject to change and error –

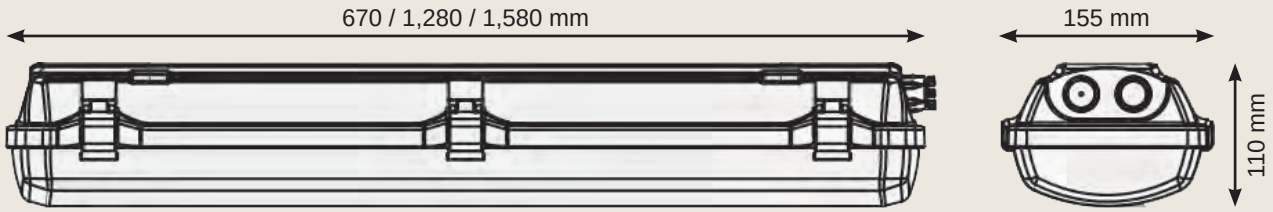
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Ex Trough Light
EXTRA-EX1 - Zone 1, 21

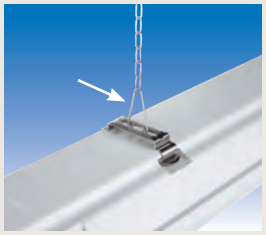
LIGHT EMISSION:



DIMENSIONS:



ACCESSORIES:



Wire hanger set (2 pcs) for chain suspension (without chain)
EXV005/SET



Set of 45° metal brackets for wall mounting (2 pcs.)
EXV006



Self-locking cable suspension (2 pcs. à 3 m)
EXV007



Clamp set (2 pcs.) for mounting on a boom with Ø 50 mm
EXV008/SET

– Further models on request / subject to change and error –

Ex Surface Light
PITBUL-EX-LED - Zone 1, 21



MODELS:

Voltage input	Power	Lumen	T_a max	Outputs	Dimensions	Weight	Order no.
230 V AC	30 W	3,373 lm	≤+60°C	2P+E	703x310x142 mm	7.7 kg	**PITBUL-EX-LED-30**
	51 W	6,663 lm	≤+55°C		703x369x142 mm	10.3 kg	**PITBUL-EX-LED-51**
	53 W	6,742 lm	≤+60°C		1,313x310x142 mm	15.1 kg	**PITBUL-EX-LED-53**
	102 W	13,447 lm	≤+55°C		1,313x369x142 mm	19.4 kg	**PITBUL-EX-LED-102**

- Models with emergency power on request -

SPECIAL FEATURES:

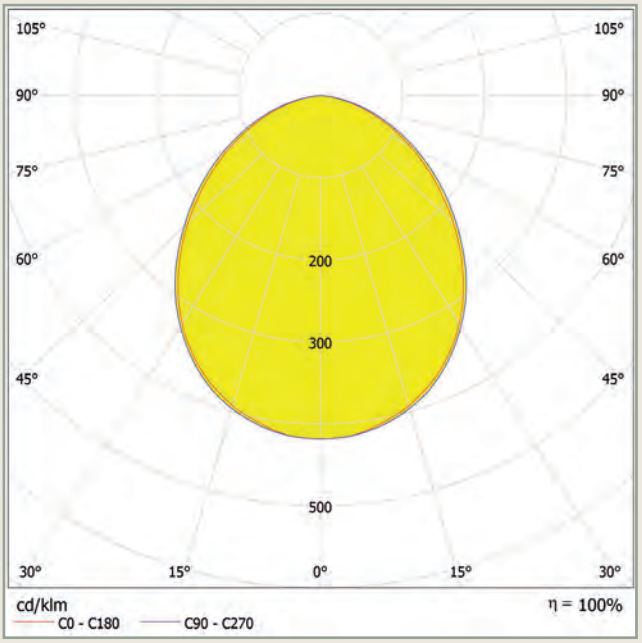
- High-power LED with 112 / 127 / 131 / 132 lm/W → High light output
- Light colour 4,000 K. → Neutral white (3000 K/ 6000 K on request)
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime → Proven longevity
  L80B50 ta55 - up to 50,000 hours (51 / 102 W)
  L80B50 ta60 - up to 50,000 hours (30 / 53 W)
- Ex II 2G Ex eb mb op is IIC T4 Gb → ATEX certificate FTZÚ 16 ATEX 0089X
- Ex II 2D Ex tb op is IIIC T67°C Db
- Gas Zone 1
- Dust Zone 21
- White sheet steel housing with hardened opal safety glass → IK07, resistant to mechanical stress (protection against impacts with an impact energy of up to 2 joules)
- Direct mounting with suspension eyes, mounting frames, ceiling brackets or outriggers, screwed on the sides of the housing → Easy installation on the ceiling or wall of the room to be illuminated
- Cable gland M20 → Line diameter of 7-12 mm
- Protection class 1
- Version without disconnector
- IP65 → Dust and splash protection
- Ambient temperature: -40°C ≤ T_a ≤ see table → Use even with large temperature fluctuations
- silicone-free → Free of paint wetting-interfering substances

– Further models on request / subject to change and error –

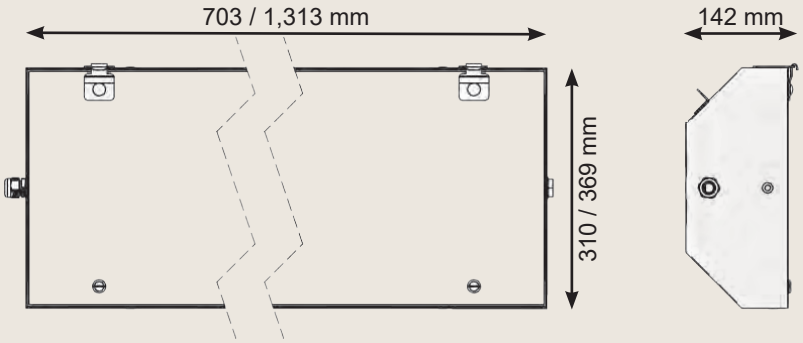
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Ex Surface Light
PITBUL-EX-LED - Zone 1, 21

LIGHT EMISSION:



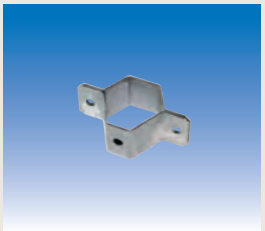
DIMENSIONS:



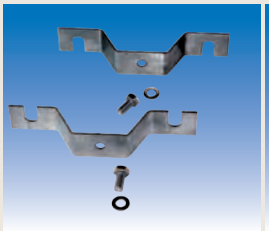
ACCESSORIES:



Set of outriggers for mounting via the housing head sides
EXV001



Clamp for mounting on a boom with Ø 50 mm
EXV002

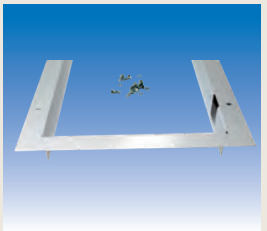


Set of stainless steel ceiling brackets (2 pcs.)
EXV003



Hanging eye (1 pcs.)

EXV004



PITBUL mounting frame
EXV015 (-30)
EXV016 (-51)
EXV017 (-53)
EXV018 (-102)

– Further models on request / subject to change and error –

10.21

Ex Tube Light
EXTRA-EX-LED - Zone 1, 21



MODELS:

Voltage input	Power	Lumen	T_a max	Models	Outputs	Dimensions	Weight	Order no.
230 V AC	28 W	3,061 lm	≤+50°C	Without power switch	2P+E	1,149 x Ø 70 mm	2.9 kg	**AQUA-EX-28-OT**
	51 W	5,985 lm				1,709 x Ø 70 mm	4.7 kg	**AQUA-EX-51-OT**
	28 W	3,061 lm		With power switch		1,149 x Ø 70 mm	2.9 kg	**AQUA-EX-28-T**
	51 W	5,985 lm				1,709 x Ø 70 mm	4.7 kg	**AQUA-EX-51-T**

SPECIAL FEATURES:

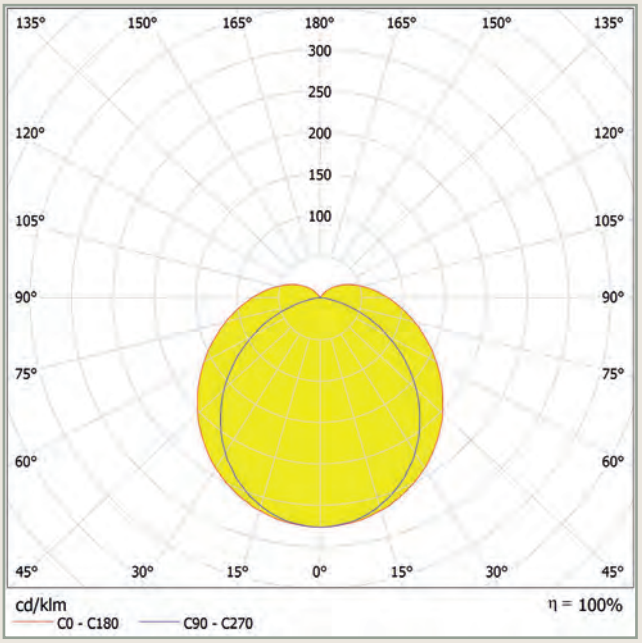
- High-power LED with 109 / 117 lm/W. → High light output
- Light colour 4,000 K. → Neutral white (3,000 K/ 6,000 K on request)
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L80B50 ta30 - up to 45,000 hours → Proven longevity
- ATEX certificate FTZÚ 16 ATEX 0052X
  AQUA-EX-28-OT / AQUA-EX-51-OT → Ex II 2G Ex eb mb op is IIC T4 Gb
  → Ex II 2D Ex tb op is IIIC T62°C Db
- ATEX certificate FTZÚ 16 ATEX 0052X
  AQUA-EX-28-T / AQUA-EX-51-T → Ex II 2G Ex db eb mb op is IIC T4 Gb
  → Ex II 2D Ex tb op is IIIC T62°C Db
- Gas Zone 1
- Dust Zone 21
- Polycarbonate tube with 4 mm wall thickness → IK10, resistant to mechanical stress (protection against impacts with an impact energy of up to 20 joules)
- Direct mounting using mounting clamps (not included) or suspension → Easy installation on the ceiling or wall of the room to be illuminated
- Cable gland M20 → Line diameter of 7-13 mm
- Protection class 1
- IP66 / IP 68 → dustproof and waterproof
- Ambient temperature: -20°C ≤ T_a ≤ +50°C → Use even with large temperature fluctuations

– Further models on request / subject to change and error –

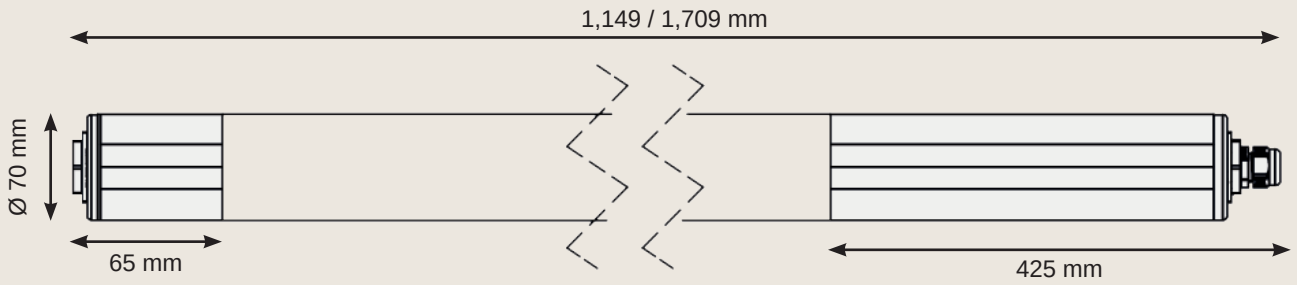
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Ex Surface Light
EXTRA-EX-LED - Zone 1, 21

LIGHT EMISSION:



DIMENSIONS:



ACCESSORIES:



Mounting clamps stainless steel (2 pcs.)
EXV009/SET



Mounting clamps plastic dark grey (2 pcs.)
EXV010/SET

– Further models on request / subject to change and error –

Ex Trough Light
EXTRA-EX2 - Zone 2, 21



MODELS:

Voltage input	Power	Lumen	T_a max	Dimensions	Weight	Order no.
220-240 V AC 50/60 Hz, 220-240 V DC	8.5 W	1,382 lm	≤+50°C	670x155x110 mm	2.02 kg	**EXTRA-EX2-66139**
	14.4 W	2,249 lm	≤+50°C		1.30 kg	**EXTRA-EX2-66140**
	28.9 W	4,478 lm	≤+50°C		1.86 kg	**EXTRA-EX2-66141**
	16.9 W	2,765 lm	≤+60°C	1,280x155x110 mm	3.39 kg	**EXTRA-EX2-66247**
	26.4 W	4,159 lm	≤+55°C		3.40 kg	**EXTRA-EX2-66249**
	52.9 W	8,280 lm	≤+45°C		3.00 kg	**EXTRA-EX2-66251**
	19.7 W	3,267 lm	≤+60°C	1,580x155x110 mm	3.84 kg	**EXTRA-EX2-66427**
	39.7 W	6,239 lm	≤+50°C		3.75 kg	**EXTRA-EX2-66429**
	64.1 W	10,230 lm	≤+45°C		3.72 kg	**EXTRA-EX2-66431**
	85.1 W	13,797 lm	≤+35°C		4.27 kg	**EXTRA-EX2-66432**
	103.6 W	16,446 lm	≤+35°C		3.74 kg	**EXTRA-EX2-66433**

- Versions with DALI-2 control and 3-hour battery emergency lighting function available on request -

SPECIAL FEATURES:

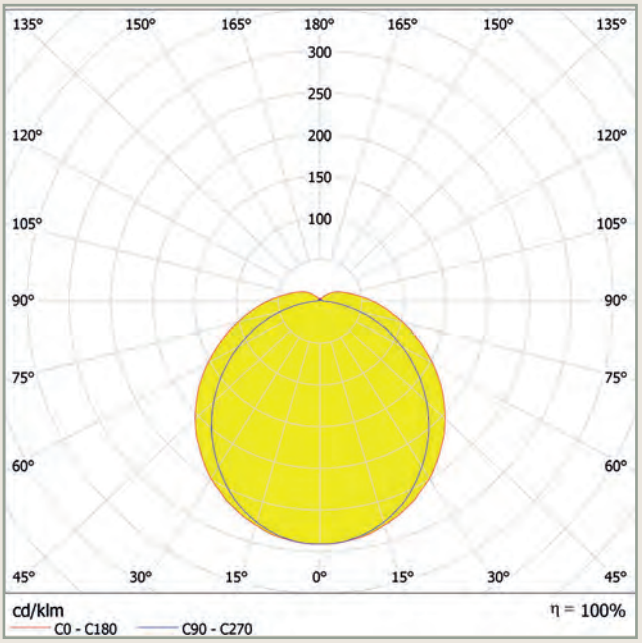
- High-power LED with up to 166 lm/W → High light output
- Light colour 4,000 K. → Neutral white
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L90B50 Ta 25- up to 110,000 hours → Proven longevity
- Ex II 3G Ex nR IIC T6 Gc / Ex II 2D Ex tb IIIC T85°C Db Gas Zone 2, Dust Zone 21 → ATEX certificate FTZU 25 ATEX 0056X
- Polycarbonate housing and cover, stainless steel diffuser clips → IK10, resistant to mechanical stress (impact protection with impact energies up to 20 joules)
- Includes two stainless steel brackets for wall and ceiling mounting as standard → Easy installation on the ceiling or wall of the room to be illuminated
- Standard configuration: 2 x M20 x 1.5 Ex cable glands and 2 x M20 Ex stopping plugs (alternatively M25) → Line diameter of 7-13 mm
- Protection class 1
- IP 66 / IP 67 → Dust-tight and protected against water jets
- Ambient temperature: -30°C ≤ T_a ≤ see table → Use even with large temperature fluctuations
- Optionally with single-phase or three-phase through-wiring

– Further models on request / subject to change and error –

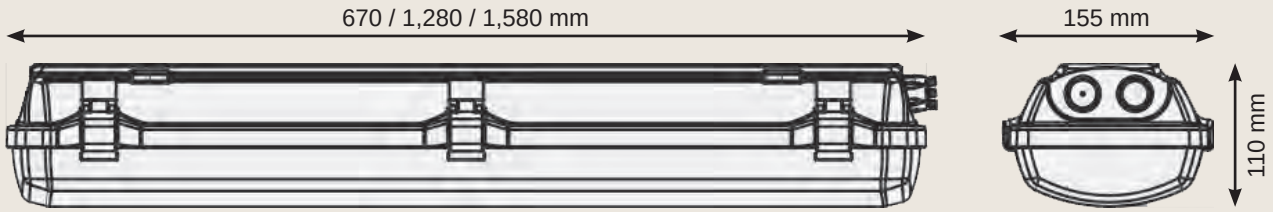
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Ex Trough Light
EXTRA-EX2 - Zone 2, 21

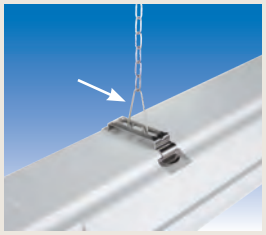
LIGHT EMISSION:



DIMENSIONS:



ACCESSORIES:



Wire hanger set (2 pcs) for chain suspension (without chain)
EXV005/SET



Set of 45° metal brackets for wall mounting (2 pcs.)
EXV006



Self-locking cable suspension (2 pcs. à 3 m)
EXV007



Clamp set (2 pcs.) for mounting on a boom with Ø 50 mm
EXV008/SET

– Further models on request / subject to change and error –

Ex Surface Light
PITBUL-N-LED - Zone 2, 22



MODELS:

Voltage input	Power	Lumen	T_a max	Outputs	Dimensions	Weight	Order no.
230 V AC	35 W	4,470 lm	≤+65°C	2P+E	703x310x142 mm	9.1 kg	**PITBUL-N-LED-35**
	70 W	8,940 lm	≤+55°C		1,313x310x142 mm	13.8 kg	**PITBUL-N-LED-70**
	104 W	13,410 lm	≤+55°C		1.613x310x142 mm	16.6 kg	**PITBUL-N-LED-104**
	70 W	8,899 lm	≤+55°C		703x369x142 mm	8.9 kg	**PITBUL-N-LED-70-703**
	121 W	15,895 lm	≤+50°C		1,313x369x142 mm	16.1 kg	**PITBUL-N-LED-121**
	195 W	24,845 lm	≤+45°C		1.613x369x142 mm	19.6 kg	**PITBUL-N-LED-195**

- Dimmable models and those with emergency power on request -

SPECIAL FEATURES:

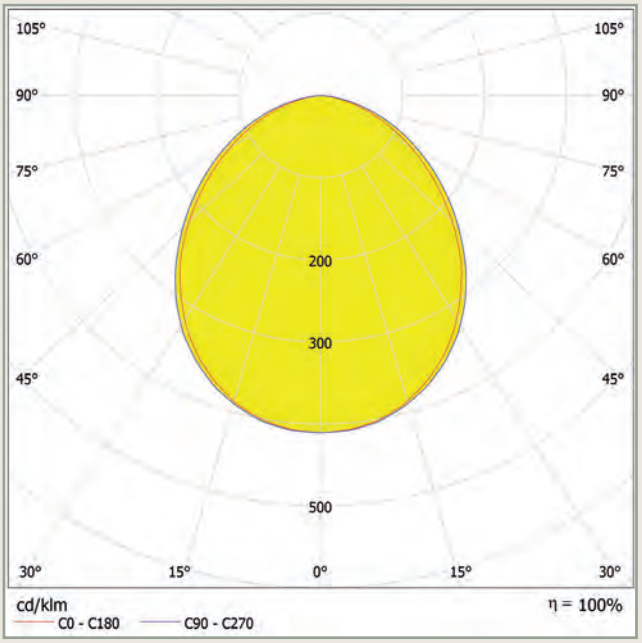
- High-power LED with 127 / 128 / 129 / 131 lm/W → High light output
- Light colour 4,000 K. → Neutral white
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L80B10 ta30 - up to 70,000 hours → Proven longevity
- Ex II 3G Ex nR IIC T6 Gc → ATEX certificate FTZÚ 17 ATEX 0129X
- Ex II 3D Ex tc IIIC T63°C Dc
- Gas Zone 2
- Dust Zone 22
- White sheet steel housing with hardened opal safety glass → IK07, resistant to mechanical stress (protection against impacts with an impact energy of up to 2 joules)
- Direct mounting with suspension eyes, mounting frames, ceiling brackets or outriggers, screwed on the sides of the housing → Easy installation on the ceiling or wall of the room to be illuminated
- Cable gland M20 → Line diameter of 7-12 mm
- Protection class 1
- IP65 → Dust and splash protection
- Ambient temperature: -20°C ≤ T_a ≤ see table → Use even with large temperature fluctuations
- silicone-free → Free of paint wetting-interfering substances

– Further models on request / subject to change and error –

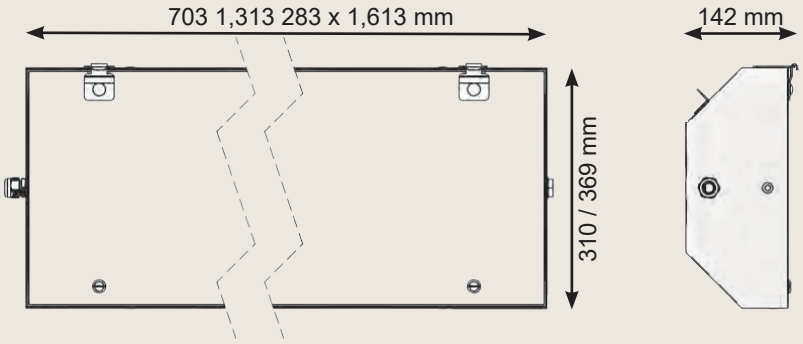
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Ex Surface Light
PITBUL-N-LED - Zone 2, 22

LIGHT EMISSION:



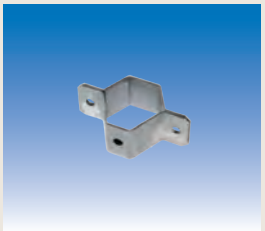
DIMENSIONS:



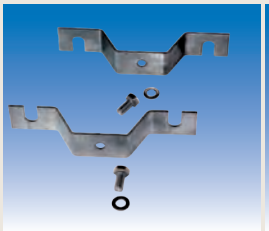
ACCESSORIES:



Set of outriggers for mounting via the housing head sides
EXV001



Clamp for mounting on a boom with Ø 50 mm
EXV002

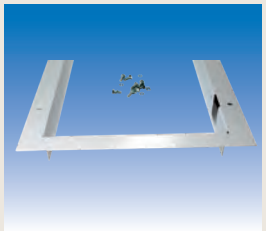


Set of stainless steel ceiling brackets (2 pcs.)
EXV003



Hanging eye (1 pcs.)

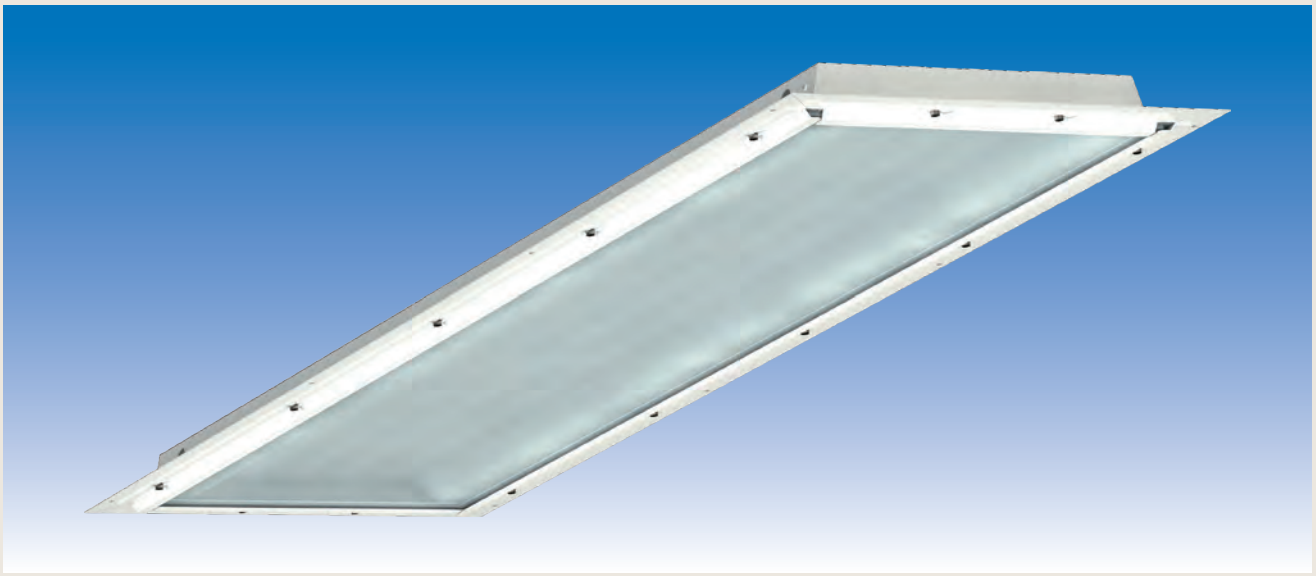
EXV004



PITBUL mounting frame **EXV015** (-35), **EXV016** (-70-703), **EXV017** (-70), **EXV018** (-121), **EXV019** (-104), **EXV020** (-195)

– Further models on request / subject to change and error –

Ex Surface Recessed Light
FILA-N-LED - Zone 2, 21, 22



MODELS:

Voltage input	Power	Lumen	T_a max	Outputs	Dimensions	Weight	Order no.
230 V AC	33 W	4,372 lm	≤+65°C	2P+E	770x380x65 mm	9.5 kg	**FILA-N-33-218**
	66 W	8,847 lm	≤+50°C		770x530x65 mm	16.3 kg	**FILA-N-66-418**
	66 W	9,362 lm	≤+50°C		1.370x380x65 mm	20.9 kg	**FILA-N-66-236**
	117 W	16,354 lm	≤+45°C		1.370x530x65 mm	13.4 kg	**FILA-N-117-436**
	101 W	13,580 lm	≤+45°C		1.670x380x65 mm	22.4 kg	**FILA-N-101-258**
	188 W	25,692 lm	≤+40°C		1.670x530x65 mm	27.7 kg	**FILA-N-188-458**

- Dimmable models and those with emergency power on request -

SPECIAL FEATURES:

- High-power LED with 132 / 134 / 137 / 140 / 142 lm /W → High light output
- Light colour 4,000 K. → Neutral white
- CRI +80 → High colour rendering index
- Power factor 0.98
- Lifetime L80B10 ta30 – up to 70 000 hours → Proven longevity
- Ex II 3G Ex nR IIC T6 Gc
- Ex 2D Ex tb op is IIIC T70°C Db
- Ex II 3D Ex tc IIIC T70°C Dc

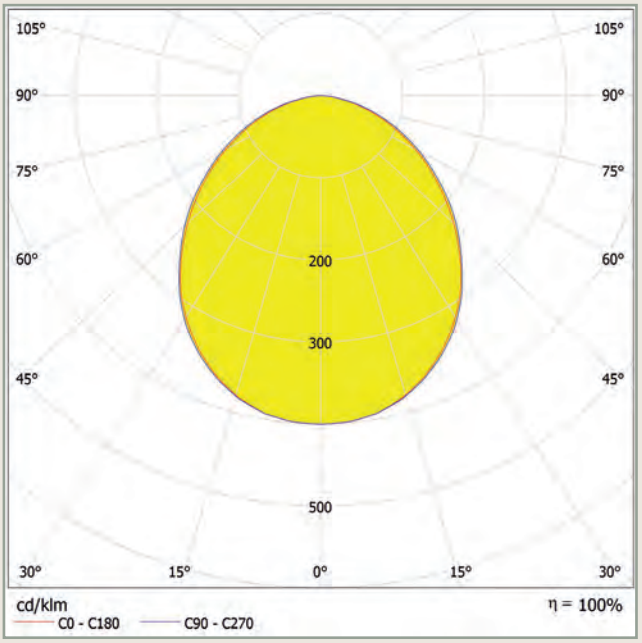
  → ATEX certificate FTZÚ 20 ATEX 0075X and FTZÚ 20 ATEX 0077X
- Gas Zone 2
- Dust Zone 21, 22
- White sheet steel housing with cover made of hardened opal safety glass → IK07, resistant to mechanical stress (protection against impacts with an impact energy of up to 2 joules)
- Mounting directly in the wall or ceiling → Easy mounting or installation on/in the ceiling or wall of the room to be illuminated
- Screwless three-pole terminal block, max. clamping range 2.5 mm²
- Protection class 1
- IP66 → Dust and splash protection
- Ambient temperature: -20°C≤T_a≤ see table → Use even with large temperature fluctuations
- Cable gland 2 x M20 (cable diameter 7-12 mm), 1x sealing plugs
- silicone-free → Free of paint wetting-interfering substances

– Further models on request / subject to change and error –

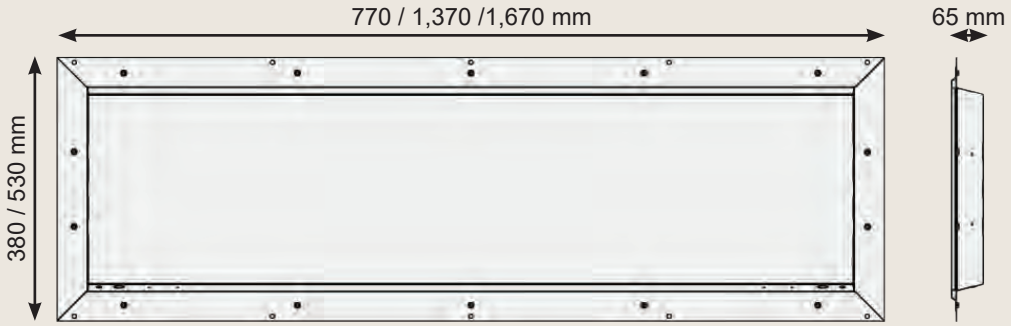
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Ex Surface Recessed Light
FILA-N-LED - Zone 2, 21, 22

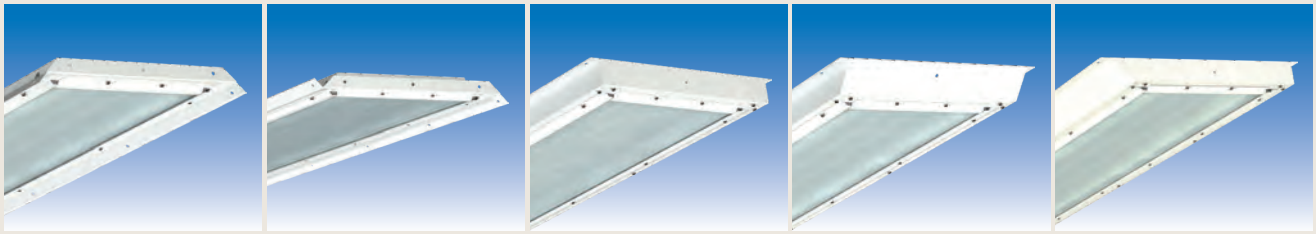
LIGHT EMISSION:



DIMENSIONS:



ON REQUEST:



Corner recessed light	Inclined recessed light	Surface-mounted light	Vertical surface-mounted light	Surface-mounted light horizontal
FILA-N-66-236C	**FILA-N-66-236D**	**FILA-N-66-236S**	**FILA-N-66-236SV**	**FILA-N-66-236SH**
FILA-N-101-258C	**FILA-N-101-258D**	**FILA-N-101-258S**	**FILA-N-101-258SV**	**FILA-N-101-258SH**
FILA-N-188-458C	**FILA-N-188-458D**	**FILA-N-188-458S**		

– Further models on request / subject to change and error –

Ex-LED-Floodlight
BERGER-N-LED - Zone 2, 21, 22

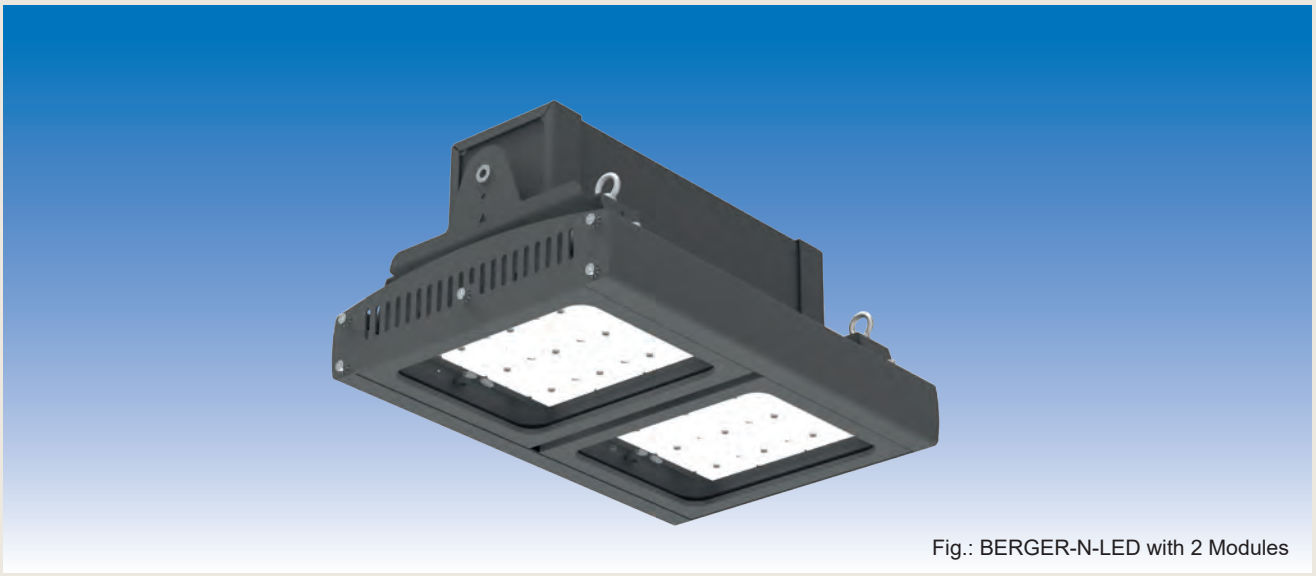


Fig.: BERGER-N-LED with 2 Modules

MODELS:

Voltage input	Power	Luminous flux	T_a max	angle of reflected beam	dimensions	LED Module	Weight	Order no.
230 V AC	69 W	10.767 lm	≤+50°C	60°	415x285x19 mm	1	8,5 kg	**BERGER-N-080800**
	69 W	10.922 lm	≤+50°C	90°	415x285x19 mm		8,5 kg	**BERGER-N-080801**
	136 W	21.534 lm	≤+50°C	60°	415x285x19 mm	2	11,0 kg	**BERGER-N-080803**
	136 W	21.844 lm	≤+50°C	90°	415x285x19 mm		11,0 kg	**BERGER-N-080804**
	204 W	32.252 lm	≤+50°C	60°	620x285x19 mm	3	14,0 kg	**BERGER-N-080806**
	204 W	32.726 lm	≤+50°C	90°	620x285x19 mm		14,0 kg	**BERGER-N-080807**
	287 W	43.002 lm	≤+40°C	60°	825x285x19 mm	4	17,0 kg	**BERGER-N-080809**
	287 W	43.634 lm	≤+40°C	90°	825x285x19 mm		17,0 kg	**BERGER-N-080810**

- Dimmable models on request -

SPECIFICATIONS:

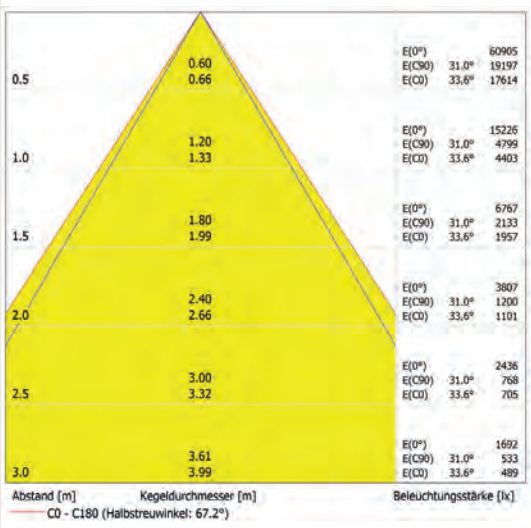
- High-power LED with up to 161 lm/W → providing high light output
- Light color of 4,000 K → neutral white
- CRI +80 → ensuring high color rendering index
- Power factor of 0.98
- Extremely long lifespan of L70B50 Ta70 - 100,000 hours, even at high ambient temperatures → demonstrating remarkable durability
- BERGER-N-LED ATEX for Gas Zone 2/Dust 21
  Ex II 3G Ex nR IIC T6...T5 Gc
  Ex II 2D Ex tb op is IIIC T85°C Db → ATEX Certificate FTZÚ 22 ATEX 0107X
- BERGER-N-LED ATEX for Gas Zone 2/Dust 22
  Ex II 3G Ex nR IIC T6...T5 Gc
  Ex II 3D Ex tc IIIC T85°C Dc → ATEX Certificate FTZÚ 22 ATEX 0108X
- Optics with high efficiency of up to 161 lm/W
- Housing made of robust aluminum with clear safety glass → IK10-rated, resistant to mechanical stress (protection against impacts with an impact energy of up to 20 joules)
- Mounting via 4 stainless steel M5 ring screws for suspended installation (standard) or via adjustable mounting brackets (not included) → Easy installation
- Protection class 1, IP 66, 2 PE+E → staubdicht und strahlwassergeschützt
- Ambient temperature: -20°C ≤ Ta ≤ see chart → suitable for use even in large temperature variations

– Further models on request / subject to change and error –

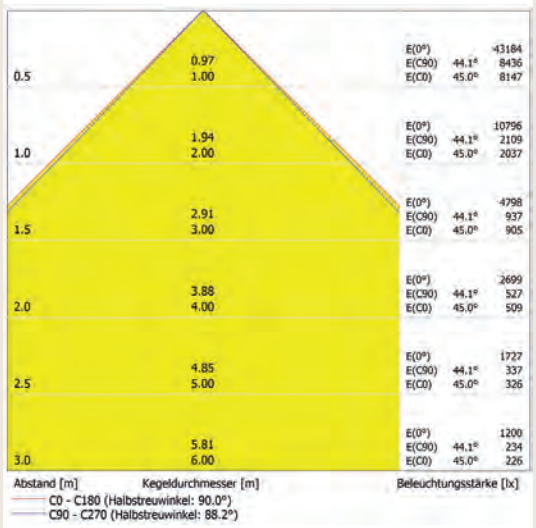
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Ex-LED-Flutlichtstrahler
BERGER-N-LED - Zone 2, 21, 22

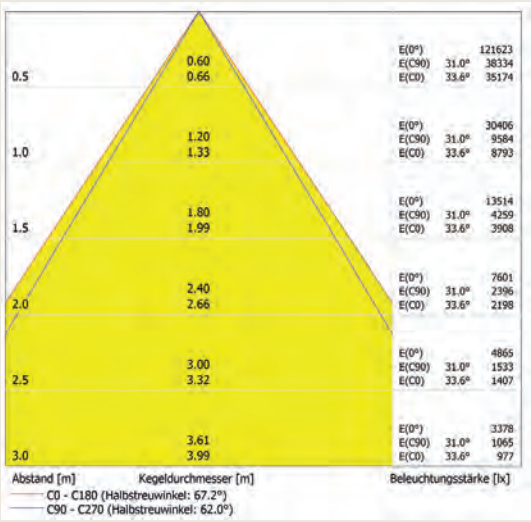
LIGHT EMISSION BERGER-N-080803:



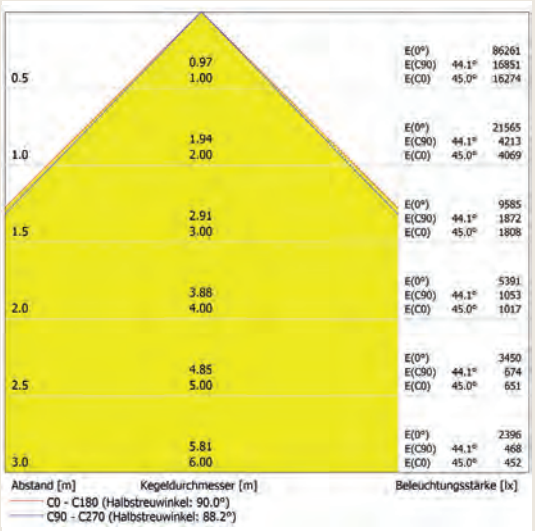
LIGHT EMISSION BERGER-N-080804:



LIGHT EMISSION BERGER-N-080809:

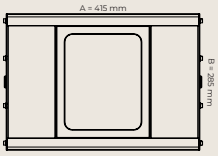


LIGHT EMISSION BERGER-N-080810:

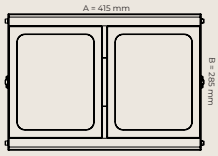


DIMENSIONS:

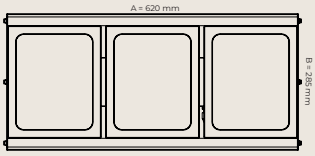
1 Module



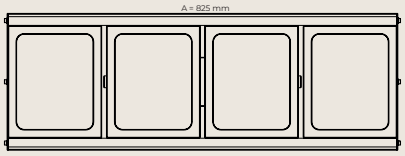
2 Modules



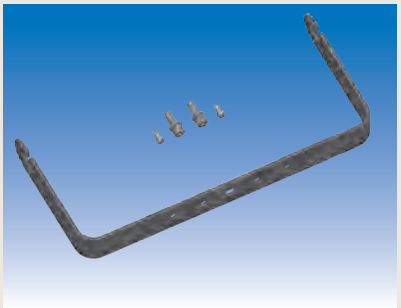
3 Modules



4 Modules



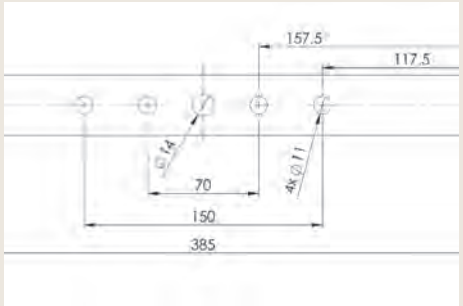
ACCESORIES:



Mounting bracket for BERGER-N-LED

- Wall mount: adjustable boom
- Flange hole 11 mm
- Hole spacing 70 mm and 150 mm
- Mounting bracket for ceiling and wall mounting
- including fastening screws
- Dimensions 385x38x179 mm

EXV055



– Further models on request / subject to change and error –

QUALITY GUARANTEED

Our products reflect the current state of technology and conform to German and European norms.
We are certified according to the standard DIN EN ISO 9001.



Certificate

Within a certification audit the organisation

ELSPRO Elektrotechnik GmbH & Co. KG
ELSPRO Produktions GmbH & Co. KG
ELSPRO Verwaltungs GmbH

at the location
Kleinhülsen 47, 40721 Hilden

has proved that a quality management system was established and is successfully applied in accordance with the requirements of the international standard

ISO 9001
Issue of September 2015

for the following activity
Design, production and sales of electrotechnical safety products

This certificate is a seamless continuation of the previous certificate and is valid from 3.3.2019 until 2.3.2022.

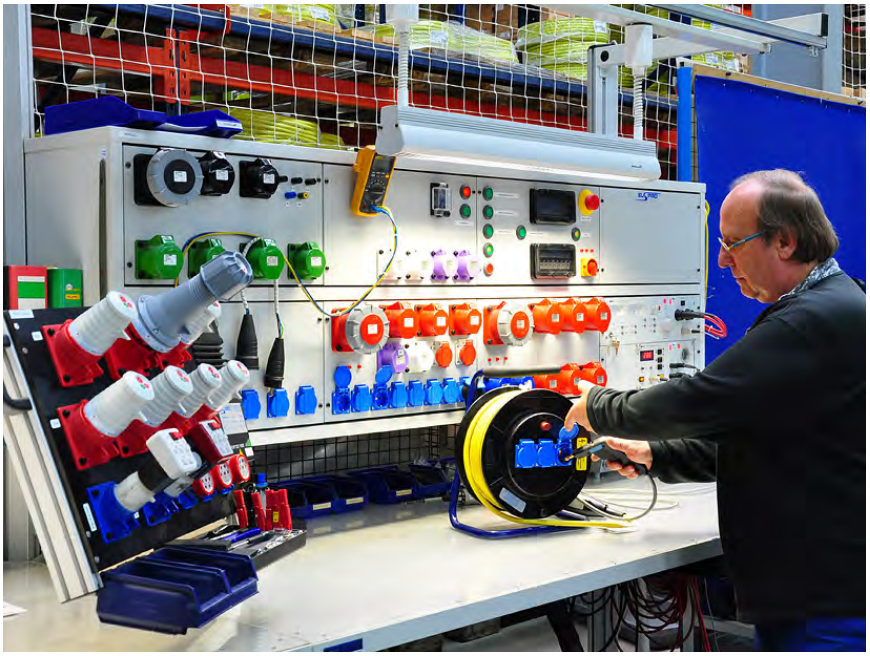
Berlin, 7 February 2019

Prof. Dr.-Ing. Jan Uwe Lieback
Director

Andreas Lemke
Head of Certification Office

No. Q-19-20542-EN

GUTcert



ELSPRO = ELECTROTECHNICAL SAFETY PRODUCTS

Since the company was founded in April 1986, safety and personal protection when dealing with electrotechnical equipment has always been the primary focus for ELSPRO.

Reliable, flexible and service-orientated – our focus is on long-term cooperation

ELSPRO products offer you maximum safety in the professional distribution of light and electricity. The implementation of your product requirements are always based on state-of-the-art technologies while being compliant with the latest directives.

We offer „technology without compromise“, are happy to advise you and develop tailor-made solutions for you.

Creative, customer-orientated and close to the market – we grow with your requirements

Constant training and consistent product development over many years form the basis of our extensive range of electrotechnical safety products. Innovative product solutions arise constantly from day-to-day business thanks to partnership-oriented cooperation between our qualified staff and discerning customers.

ELSPRO – Electrotechnology at the highest level

From our headquarter in Hilden, we supply the European market with high quality ELSPRO products. Individual consultancy and order-related production are a key part of our day-to-day business. Customer-orientated support is provided by an extensive network of regional offices and expert advice from our qualified field staff.

Upon request, your personal contact will be delighted to present products which may interest you at your premises.

On the safe side with ELSPRO

Together we investigate your individual requirements. Our departments will then work out dedicated electrotechnical product solutions of the highest safety standard, true to our motto „technology without compromise“.

As a manufacturer, we offer you the following benefits:

- production to customer specifications
- on-site support by our technical field staff
- qualified contact persons in the head office
- detailed knowledge of the current regulations





ELSPRO®

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