

Explosion-protected LED light fitting

ExeLED 1

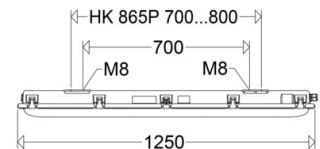
e865F 12L85 DV 845

[Item no. : 86500 1019]



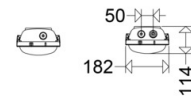
General product description

Explosion-protected LED light fitting ExeLED 1 for zone 1/21. Glass fibre reinforced polyester housing, frosted cover made of polycarbonate with silicone gasket and stainless steel clips, two of them as safety clip. Steel reflector, varnished, carrying the encapsulated LED modules, clipped into the cover, removable as a unit. Encapsulated ECG with overvoltage, overload and short circuit protection. External mounting system for variable mounting (accessory).



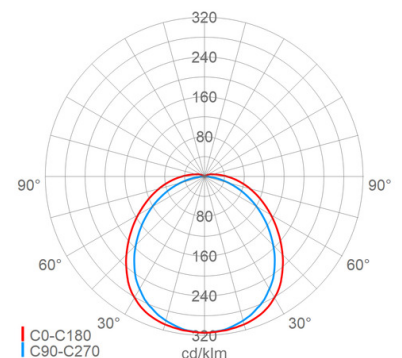
General product benefits

- innovative LED encapsulation with high transmission factor for least loss of light
- LED modules protected against mechanical and electrostatic damage by sandwich design of reflector and cover
- homogenous illumination due to frosted cover for comfortable perception of light and brilliant glare limitation
- high colour rendering index $CRI \geq 80$, according to the workplace guidelines suitable for nearly all plant locations
- FastFix mounting system - external mounting system for variable mounting distances and easy installation (accessory)
- ECG and reflector with LED modules replaceable by qualified personnel on-site



Applications

Hazardous areas zone 1 (gas) and zone 21 (dust), light fitting is not suitable for use in areas with permanently high humidity and short operation time, e.g. sewage plants and rainwater retention basins



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Technical data**Explosion protection**

EX-Zone:	1, 21, 2, 22
EX-marking gas:	II 2 G Ex eb mb q IIC T4 Gb
EX-marking dust:	II 2 D Ex tb IIIC T80°C Db
Primary ignition protection method:	eb
Temperature class:	T4
Surface temperature:	T80°C
ATEX:	IBExU 16 ATEX 1008
IECEX:	IECEX IBE 16.0010

Key technical data

Light source:	LED
LED module standard:	Zhaga
Connected load:	54 W
Luminaire luminous flux:	8620 lm
Luminous efficacy:	160 lm/W
Colour temperature:	4500 K
Colour rendering (CRI):	≥ 80
Light colour:	845
Admissible ambient temperature Ta:	-30 °C to +50 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection

Lighting technology

Light distribution:	wide beam
Photobiological safety:	RG1

Service life

Service life LED:	L80B50>100000 h (@ Ta max), L80B50>100000 h (@ Ta 25°C), L90B50>80000 h (@ Ta 25°C)
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Electrical connection

Rated voltage:	220 - 240 V, 0 Hz, 50/60 Hz
Terminal clamp:	Cage clamp, 5-polig, 1 - 4 mm ²
Max. no. (with CB B16):	19
CB B10/B13/B20/B25:	11/15/23/29
CB C10/C13/C16/C20/C25:	19/25/32/39/49
Cable entries:	M25 (3x), screw plug (1x), cable gland (2x), Plastic, 8 - 17 mm
Through wiring (DV):	5x2.5 mm ² PVC
In-out wiring (RR):	Yes

Housing

Housing material:	Glass fibre reinforced polyester
Colour:	grey

Cover

Cover type/material:	Diffuser (PC)
Cover characteristic:	satined
Closure:	Clips (Stainless steel (1.4571))

Mounting

Mounting method (accessories possibly needed):	Ceiling with bracket, Ceiling with angle, Wall with bracket, Wall with angle, Suspended, Pole with pipe clamp, Pipe clamp
Operating position:	downwards radiation, forwards radiation, vertical, horizontal
Mounting:	2-point

Features/Certificates

Protection class:	I
IP rating:	IP66
IK rating:	IK10
Approval marks:	CE
Energy efficiency class:	C

Dimension/Weight

Length:	1250.00 mm
Width/Diameter:	182.00 mm
Height:	114.00 mm
Net weight:	7.30 kg
EAN/GTIN:	4041254373744

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Optional accessories/spare parts

Item no.	Item name	Item description
90055 9004	KE/KES VE10	locking clips (10 pcs.) with 2 safety clips
90055 9005	KES P	safety clips (1 pair)
90055 9007	KE/KES G2 VE10	locking clips (10 pcs.) with 2 safety clips
90055 9006	KES G2 P	safety clips (1 pair)
90117 9006	2537 G	Ex-protected plastic cable gland M25x1.5 with locknut
90118 9006	2538 G	Ex-protected plastic screw plug M25x1.5 with locknut
90259 9000	KS25 EX	Ex-protected breathing gland M25x1.5
86501 9003	HK865 P	2 retaining clips for variable mounting distances
90001 0002	H8V P	2 suspension eyes with bolt M8, stainless steel
90000 0002	15A P	2 ceiling brackets, hot galvanized steel
90032 0002	15AV P	2 ceiling brackets, stainless steel
90037 0004	RO84 112 A P	2 pipe clamps 1 1/2", stainless steel, with support
90038 0004	RO84 2 A P	2 pipe clamps 2", stainless steel, with support
26000 0004	W 26 P	2 wall mounting angles, hot galvanized steel
26000 0002	W 26/30 P	2 wall mounting angles 30°, hot galvanized steel
26000 0003	W 26/45 P	2 wall mounting angles 45°, hot galvanized steel