Explosion-protected LED emergency light fitting

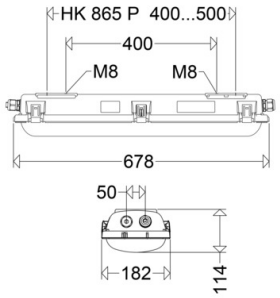
ExeLed 2 N
nD867F 06L42/3/4

[Item no. : 86705 0053]



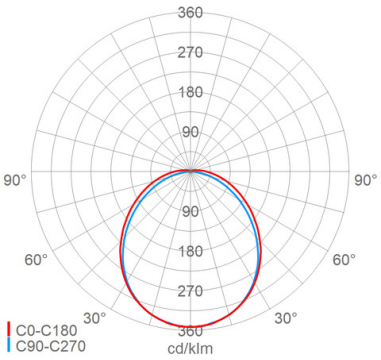
General product description

Explosion-protected LED emergency light fitting ExeLED 2 N for zone 2/22. 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 LED modules and all electrical components, clipped into the cover, removable as a unit. ECG with automatic monitoring according to EN 62034 and optical indication of the test results. Incorporated NiMH battery with electronic charger, deep discharge protection according to EN 61347-2-7, short circuit protected battery and reverse battery protection. Recharging time: 24h according to EN 60598-2-22. External mounting system for variable mounting (accessory). See „Technical data“ for details.



General product benefits

- Security in case of emergency - instant light with maximum luminous flux
- operation in maintained, switched maintained or stand-by mode
- multifunctional LED with coded indication of functions, states and potential faults of the electronic device or the battery
- automatic weekly function test
- automatic annual duration test, manual actuation possible at any time
- easy battery replacement due to plug connection
- 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≥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)
- sustainable, interchangeable components



Applications

hazardous areas zone 2 (gas) and zone 22 (dust), safety lighting of workplaces with particular risk as well as illumination/marking of escape and rescue routes, light fitting is not suitable for use in areas with permanently high humiditiy and short operation time, e.g. sewage plants and rainwater retention basins

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Technical data

Explosion protection

EX-Zone:	2 , 22
EX-marking gas:	II 3 G Ex ec IIC T4 Gc
EX-marking dust:	II 3 D Ex tc IIIC T80°C Dc
Primary ignition protection method:	ec
Temperature class:	T4
Surface temperature:	T80°C
ATEX:	IBExU 16 ATEX B006X
IECEx:	IECEx IBE 15.0015X

Emergency lighting

Emergency power supply:	self-contained (MA)
Operating mode:	Stand-by mode (BS), Maintained mode (DS)
Luminaire luminous flux emergency operation:	750 lm
Ballast lumen factor:	17 %
Monitoring:	Self test
Ambient temperature BS:	0 °C to +40 °C
Ambient temperature DS:	0 °C to +40 °C
Battery type:	NiMH
operating time:	3 h
Special features:	Nominal temperature reange acc. to EN 60598-2-22; Reduced emergency light duration if operated below 0°C

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source with reflector and control gear replaceable by qualified person
Connected load:	29 W
Luminaire luminous flux:	4360 lm
Luminous efficacy:	150 lm/W
Colour temperature:	5000 K
Colour rendering (CRI):	≥ 80
Light colour:	850
Admissible ambient temperature T_a:	-30 °C to +40 °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>90000 h (@ Ta 25°C)

Electrical connection

Rated voltage:	220 - 240 V, 50/60 Hz
Terminal clamp:	Cage clamp, 4-polig, 0.75 - 2.5 mm²
Max. no. (with CB B16):	18
CB B10/B13/B20:	12/15/23
CB C10/C13/C16/C20:	18/24/30/37
Cable entries:	M25 (3x), screw plug (1x), cable gland (2x), Plastic, 8 - 17 mm
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, Ceiling with bracket, Ceiling with angle, Wall, Wall with bracket, Wall with angle, Suspended, Mounting rail
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

Dimension/Weight

Length:	678.00 mm
Width/Diameter:	182.00 mm
Height:	114.00 mm
Net weight:	4.10 kg
EAN/GTIN:	4041254428093

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Optional accessories/spare parts

Item no.	Item name	Item description
90222 9036	AKKU NiMH 6V 4,0Ah Block 8024	NiMH accu, 6.0 V 4.0 Ah, block (pay attention to the correct part number)
90222 9034	AKKU NiMH 6V 4,0Ah Stab	NiMH accu, 6.0 V 4.0 Ah, stick (pay attention to the correct part number)
90222 9031	AKKU NiCd 6V 4,0Ah Stab	NiCd accu, 6.0 V 4.0 Ah, stick (pay attention to the correct part number)
90222 9030	AKKU NiCd 6V 1,6Ah Stab	NiCd accu, 6.0 V 1.6 Ah, stick (pay attention to the correct part number)
90222 9021	AKKU NiCd 6V 4,0Ah Block 2627	NiCd accu, 6.0 V 4.0 Ah, Block (pay attention to the correct part number)
90222 9023	AKKU NiCd 6V 1,6Ah Block 8020	NiCd accu, 6.0 V 1.6 Ah, Block (pay attention to the correct part number)
86601 9014	ABD 8652F	cover PC satined
86601 9001	ABD 8654F	cover PC satined
86601 9000	ABD 8654	cover PC clear
90117 9006	2537 G	cable gland M25 with locknut for Ex-Zone 1/21
90118 9006	2538 G	screw plug M25 with locknut for Ex-Zone 1/21
90119 9001	2539 G	cable gland M25 with blanking plug and locknut for Ex-Zone 1/21
90259 9000	KS25 G EX	breathing gland M25 for Ex-Zone 1/21
86501 9003	HK 865 P	wall and ceiling mounting (1 pair) stainless steel 1.4310 for variable mounting in indoor areas
90001 0002	H8V P	2 suspension eyes with bolt M8, stainless steel
90000 0002	DS 15A P	ceiling rail (1 pair) galvanised steel with 2 M8 screws
90032 0002	DS 15AV P	ceiling rail (1 pair) stainless steel 1.4571 with 2 M8 screws
90037 0004	RO84 112 A P	Pipe clamp (1 pair) stainless steel material 1.4571 1 1/2" with support and 4 M8 screws also for pole mounting
90038 0004	RO84 2 A P	Pipe clamp (1 pair) stainless steel material 1.4571 1 2" with support and 4 M8 screws also for pole mounting
26000 0008	WW 26 L P	wall mounting (1 pair) galvanised steel 55° with 2 M8 screws long version
26000 0002	WW 26/30 P	wall mounting (1 pair) galvanised steel 30° with 2 M8 screws
26000 0003	WW 26/45 P	wall mounting (1 pair) galvanised steel 45° with 2 M8 screws