

## Explosion-protected LED emergency light fitting

## ExeLed 2 N

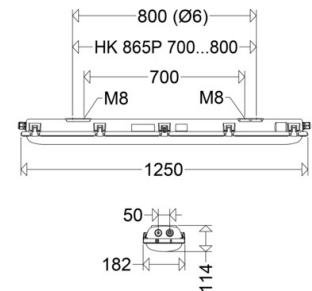
### nD867F 12L42/1/4

[ Item no. : 86700 0003 ]



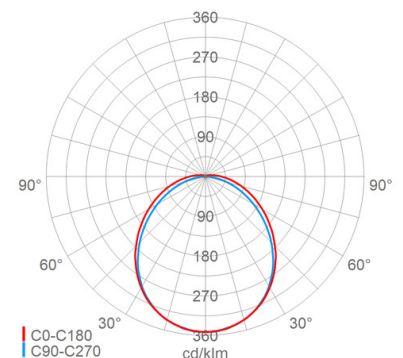
#### General product description

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 NiCd 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  $CRI \geq 80$ , 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 2 (gas) and zone 22 (dust), emergency lighting of workplaces with particular risk as well as illumination/marketing of escape and rescue routes, 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:	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 B006
IECEX:	IECEX IBE 15.0015

**Emergency lighting**

Emergency power supply:	Self-contained battery
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:	NiCd
Emergency operating time:	1 h

**Key technical data**

Light source:	LED
LED module standard:	Zhaga
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 Ta:	-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>80000 h (@ Ta 25°C)
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**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/B25:	11/14/22/28

**Electrical connection**

CB C10/C13/C16/C20/C25:	18/24/30/37/46
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:	1250.00 mm
Width/Diameter:	182.00 mm
Height:	114.00 mm
Net weight:	6.30 kg
EAN/GTIN:	4041254335674

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**Optional accessories/spare parts**

Item no.	Item name	Item description
90222 9031	AKKU 6V 4,0Ah NiCd Stab BST	spare battery 4.0Ah
90222 9030	AKKU 6V 1,6Ah NiCd Stab AE	spare battery 1.6Ah
90222 9021	AKKU 6V 4,0Ah NiCd Block 2627 AE	spare battery 4Ah
90222 9023	AKKU 6V 1,6Ah NiCd Block 8020 AE	spare battery 1.6Ah
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