

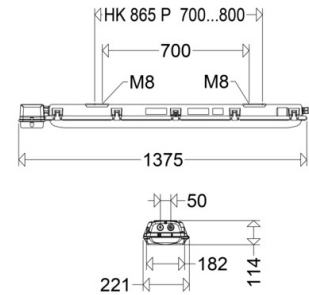
## Explosion-protected LED emergency light fitting

**ExeLed 1 N****e864F 12L60/3/4**

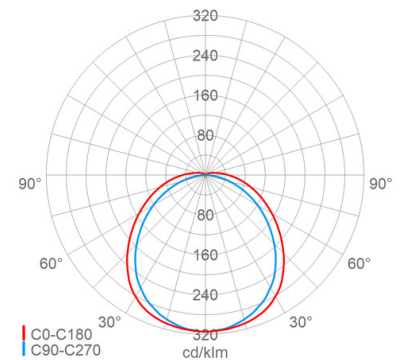
[ Item no. : 86405 0102 ]

**General product description**

Explosion-protected LED emergency light fitting ExeLED 1 N for zone 1/21. Glass fibre reinforced polyester housing with separate battery box at one small side of the 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 automatic monitoring according to EN 62034 and optical indication of the test results. Battery box with NiMH battery and 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).

**General product benefits**

- Security in case of emergency - instant light with maximum luminous flux
- 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
- 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)
- sustainable, interchangeable components

**Applications**

- hazardous areas zone 1 (gas) and zone 21 (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 humidity and short operation time, e.g. sewage plants and rainwater retention basins

## Explosion-protected LED emergency light fitting

## ExeLed 1 N

### e864F 12L60/3/4

[ Item no. : 86405 0102 ]

**Technical data****General**

EAN/GTIN: 4041254432250

**Explosion protection**

EX-Zone: 1, 21, 2, 22  
 EX-marking gas: II 2 G Ex db eb [ib] 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: IBEEx U 17 ATEX 1026X  
 IECEx: IECEx IBE 17.0016X

**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: 12 %  
 Monitoring: Self test  
 Ambient temperature (BS): 0 °C to +45 °C  
 Battery type: NiMH  
 operating time: 3 h  
 Special features: Nominal temperature range 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: 41 W  
 Luminaire luminous flux: 6020 lm  
 Luminous efficacy: 147 lm/W  
 Colour temperature: 6500 K  
 Colour rendering (CRI): ≥ 80  
 Light colour: 865  
 Admissible ambient temperature T<sub>a</sub>: -30 °C to +55 °C  
 Control gear: 1 x ECG, Overload protection, Short circuit protection  
 BEG-eligible (Germany): Yes

**Lighting technology**

Light distribution: wide beam

**Lighting technology**

Photobiological safety: RG1

**Service life**

Service life LED: L80B50>100000 h (@ T<sub>a</sub> max),  
 L90B50>85000 h (@ T<sub>a</sub> 25°C)

**Electrical connection**

Rated voltage: 220 - 240 V, 50/60 Hz  
 Terminal clamp: Cage clamp, 4-polig, 1 - 4 mm<sup>2</sup>  
 Max. no. with circuit breaker B16: 13  
 CB B10/B13/B20: 9/11/17  
 CB C10/C13/C16/C20: 13/17/22/27  
 Cable entries: M25 (2x), cable gland (2x), blanking plug (1x), Plastic, 8 - 17 mm  
 In-out wiring (RR): Yes

**Features/Certificates**

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

**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: horizontal, vertical, downwards radiation

Mounting: 2-point

**Housing**

Housing material: Glass fibre reinforced polyester  
 Colour: grey

**Cover**

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

**Other features**

International Food Standard (IFS): Yes

**Dimension/Weight**

Length: 1375.00 mm  
 Width / Diameter: 182.00 mm  
 Height: 114.00 mm  
 Net weight: 8.70 kg

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**Optional accessories / spare parts**

Item no.	Item name	Item description
90222 9036	Akku NiMH 4,0Ah 6,0V Block 8024	NiMH accu, 6.0 V 4.0 Ah, block (pay attention to the correct part number)
90222 9035	Akku NiMH 2,2Ah 6,0V Block 8022	NiMH accu, 6.0 V 2.2 Ah, block (pay attention to the correct part number)
90222 9021	Akku NiCd 4,0Ah 6,0V Block 2627	NiCd accu, 6.0 V 4.0 Ah, Block (pay attention to the correct part number)
90222 9023	Akku NiCd 1,6Ah 6,0V 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