Explosion-protected LED emergency light fitting

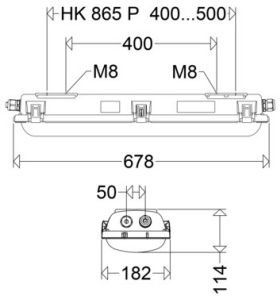
# ExeLed 2 N
# nD867F 06L22/3/4

**[ Item no. : 86705 0051 ]**



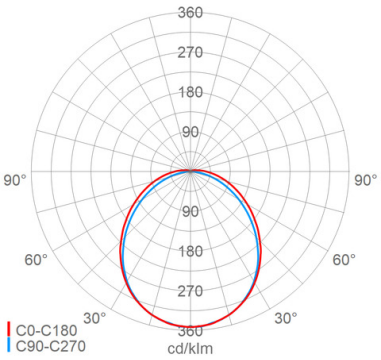
### General product description

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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## [ Item no. : 86705 0051 ]

### 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: | 650 lm |
| Ballast lumen factor: | 30 % |
| 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: | 16 W |
| Luminaire luminous flux: | 2170 lm |
| Luminous efficacy: | 136 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: | 4041254428079 |

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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 |