Explosion-protected LED emergency light fitting

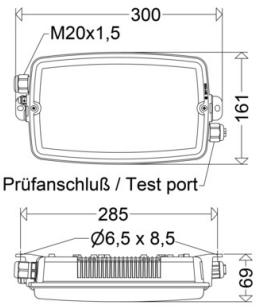
# nD8611 L02 W ZB

**[ Item no. : 86111 0013 ]**



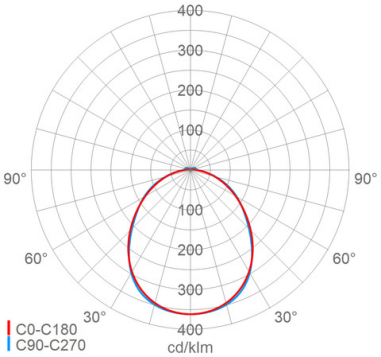
### General product description

Compact explosion-protected LED escape sign light fitting for zone 2/22 for connection to central power supply systems with incorporated fuse for selective disconnection in case of failure. Die-cast aluminium housing, opalescent white cover made of polycarbonate, screwed with the housing, with silicone gasket.




### General product benefits

- Outstanding recognition of the escape sign due to excellent and homogenous illumination of the pictogram
- robust light fitting for rough environmental conditions
- perfectly suited for confined space conditions
- homogenous illumination due to frosted cover
- fast mounting due to outer fixing points
- sustainable, interchangeable components




### Applications

- hazardous areas zone 2 (gas) and zone 22 (dust)
- 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
- safety lighting

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### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254342481 |

**Explosion protection**

| | |
|---|---|
| EX-Zone: | 2 , 22 |
| EX-marking gas: | II 3 G Ex nR IIC T4 Gc |
| EX-marking dust: | II 3 D Ex tc IIIC T80°C Dc |
| Primary ignition protection method: | nR |
| Temperature class: | T4 |
| Surface temperature: | T80°C |

**Emergency lighting**

| | |
|---|---|
| Emergency power supply: | central supply (ZB) |
| DC level (ZB/central battery): | 100 % |
| Inrushcurrent: | 27 A |
| Peak: | 250 µs |
| For pictogram application: | Yes |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 4 W |
| Luminaire luminous flux: | 150 lm |
| Luminous efficacy: | 38 lm/W |
| Colour temperature: | 6500 K |
| Colour rendering (CRI): | ≥ 80 |
| Light colour: | 865 |
| Admissible ambient temperature $T_a$: | -20 °C to +40 °C |
| Control gear: | 1 x ECG, Overload protection, Short circuit protection |

**Lighting technology**

| | |
|---|---|
| Light distribution: | wide beam |
| Photobiological safety: | RG0 |

**Service life**

| | |
|---|---|
| Service life LED: | L70>70000 h (@ Ta max), L80>70000 h (@ Ta 25°C) |

**Electrical connection**

| | |
|---|---|
| Rated voltage: | 220 - 240 V, 0 Hz, 50/60 Hz |
| Terminal clamp: | Screw terminal, 3-polig, 0,75 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 27 |
| CB B10/B13/B20: | 18/22/34 |
| CB C10/C13/C16/C20: | 28/36/45/56 |

**Electrical connection**

| | |
|---|---|
| Cable entries: | M20 (1x), cable gland (1x), Plastic, 8 - 13 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |
| IP rating: | IP65 |
| IK rating: | IK10 |
| Approval marks: | CE |

**Mounting**

| | |
|---|---|
| Mounting method (accessories possibly needed): | Ceiling, Wall |
| Operating position: | downwards radiation, forwards radiation, vertical, horizontal |
| Mounting: | 2-point |

**Housing**

| | |
|---|---|
| Housing material: | Die-cast aluminium |

**Cover**

| | |
|---|---|
| Cover type / material: | Diffuser (PC) |
| Cover characteristic: | opal |
| Closure: | screwed (Stainless steel (1.4301)) |

**Dimension/Weight**

| | |
|---|---|
| Length: | 300.00 mm |
| Width / Diameter: | 161.00 mm |
| Height: | 69.00 mm |
| Net weight: | 0.84 kg |

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**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 36004 9002 | ABD 3611 W | cover PC opalescent |
| 12112 0101 | PIK 220/110/33 | Standard self-adhesive green/transparent emergency exit pictogram (pointing left) for marking escape routes in accordance with DIN EN ISO 7010 and ASR A1.3. Visibility distance: 22 m |
| 12112 0102 | PIK 220/110/34 | Standard self-adhesive green/transparent emergency exit pictogram (pointing right) for marking escape routes in accordance with DIN EN ISO 7010 and ASR A1.3. Visibility distance: 22 m |
| 12112 0100 | PIK 220/110/32 | Standard self-adhesive green/transparent emergency exit pictogram (pointing upwards) for marking escape routes in accordance with DIN EN ISO 7010 and ASR A1.3. Visibility distance: 22 m |
| 12112 0103 | PIK 220/110/35 | Standard self-adhesive green/transparent emergency exit pictogram (pointing downwards) for marking escape routes in accordance with DIN EN ISO 7010 and ASR A1.3. Visibility distance: 22 m |
| 90120 9008 | 2531 G | cable gland M20 for Ex-Zone 1/21 with locknut |
| 90121 9005 | 2532 G | screw plug M20 with locknut for Ex-Zone 1/21 |