

# Compact LED Emergency and Escape Sign Light Fitting for Ex-Zones 2/22
# Series nD8611… LED

**Applications:**
Hazardous locations of zones 2 (gas) and 22 (dust) for illumination of escape routes and for identification of escape routes.

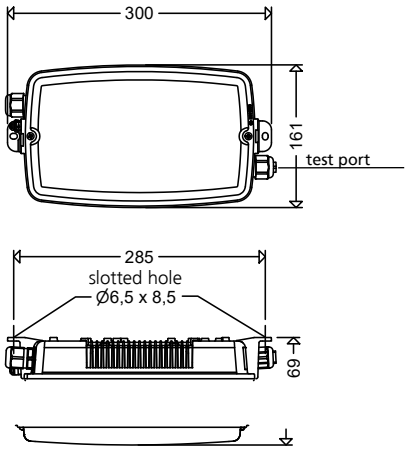
**Design:**
Housing: Die-cast aluminium, natural finish, all electrical components integrated in the housing, wired ready for connection.
Cover: Polycarbonate opalescent white, (**W**), foamed silicone gasket. (Pictograms – if required – to be ordered separately, see accessories).
Connection terminal: 3 or 4 poles, clamping range max. 2.5 mm².
Cable entries: 1 cable gland M20 x 1.5 on the front side.
Mounting: 2 outer fixing points.

**Technical Data:**
LED: Linear module 6,500 K, CRI > 80, service life $L_{80}$ > 70,000 h at max. ambient temperature

**Versions with self-contained battery:**
Built-in NiMH battery. A constant trickle charge to the battery ensures readiness of operation at all times.
Automatic monitoring the emergency light fitting acc. to EN 62034. Indication of the test results by 2-colour LED on the light fitting.
Electronic deep discharge protection acc. to EN 61347-2-7
Recharging time: 24 h, acc. to EN 60598-2-22

**Modes of operation:**
Stand-by operation: Emergency light switches on in case of mains failure
Maintained operation: Switching over to battery operation in case of mains failure

**Note:**
This light fitting is not suitable for application in areas with permanent high humidity in combination with only short periods of operation, such as sewage or stormwater retention tanks or water treatment plants.






Type nD8611/... with pictogram PIK 220/110/33

**Self-adhesive pictogram**
green / transparent


PIK 220/110/32

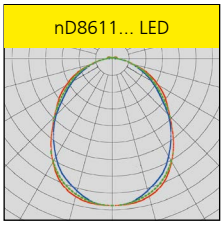

PIK 220/110/33


PIK 220/110/34


PIK 220/110/35

For marking escape routes acc.to DIN EN ISO 7010 and ASR A1.3.

**Viewing distance = 22 m**




**Options:**
– cable looping at 1 small side, two entries on one side
– for higher ambient temperatures (**H60**), up to +60 °C
– for connection to central emergency supply systems with integrated monitoring module

**For series with self-contained battery:**
– dimming function via DALI2 interface, compatible with LIMAS Line Pro or Line ESC wired Light Management Systems

| Article no. | Type | Connected load [W] | Luminous flux [lm] | Luminous flux [lm] (emergency) | Luminous efficacy [lm/W] | Light fitting for pictogram | Operating time 1 h | Operating time 3 h | Weight [kg] (without packing material) |
|---|---|---|---|---|---|---|---|---|---|
| **nD8611 L02/. W** | | | | | | | | | |
| **self-contained emergency luminaire** | | | | | | | | | |
| | | Ignition protection: nR | | | | | | | |
| | | Explosion protection: | | | | | | | |
| | | II 3 G Ex nR IIC T4 Gc Gc (Zone 2) | | | | | | | |
| | | II 3 D Ex tc IIIC T80°C Dc (Zone 22) | | | | | | | |
| | | Rated voltage: 220-240 V AC, 50/60 Hz | | | | | | | |
| | | Ambient temperature: | | | | | | | |
| | | 0 °C bis +30 °C (maintained operation) | | | | | | | |
| | | 0 °C bis +40 °C (standby operation) | | | | | | | |
| 86111 0010 | **nD8611 L02/1 W** | 5 | 150 | 150 | 30 | • | • | | 1,0 |
| 86111 0011 | **nD8611 L02/3 W** | 5 | 150 | 150 | 30 | • | | • | 1,2 |
| **nD8611 L02 W** | | | | | | | | | |
| | | Ignition protection: nR | | | | | | | |
| | | Explosion protection: | | | | | | | |
| | | II 3 G Ex nR IIC T4 Gc Gc (Zone 2) | | | | | | | |
| | | II 3 D Ex tc IIIC T80°C Dc (Zone 22) | | | | | | | |
| | | Rated voltage: 220-240 V AC, 50/60 Hz | | | | | | | |
| | | Ambient temperature: | | | | | | | |
| | | -20 °C up to +40 °C | | | | | | | |
| | | (further versions upon request). | | | | | | | |
| 86110 0010 | **nD8611 L02 W** | 4 | 150 | | 38 | | | | 0,8 |
| **nD8611 L02 W ZB** | | | | | | | | | |
| **for connection to central power supply unit** | | | | | | | | | |
| | | Ignition protection: nR | | | | | | | |
| | | Explosion protection: | | | | | | | |
| | | II 3 G Ex nR IIC T4 Gc Gc (Zone 2) | | | | | | | |
| | | II 3 D Ex tc IIIC T80°C Dc (Zone 22) | | | | | | | |
| | | Rated voltage: 220-240 V AC/DC, 0 or 50/60 Hz | | | | | | | |
| | | Ambient temperature: | | | | | | | |
| | | -20 °C up to +40 °C | | | | | | | |
| | | (further versions upon request). | | | | | | | |
| 86111 0013 | **nD8611 L02 W ZB** | 4 | 150 | 150 | 38 | • | | | 0,8 |