

## Compact Explosion-Protected Emergency and Escape Sign Light Fitting with Highpower LED for Zones 2 and 22 Series nD8611/... LED



### Application:

For identifying escape routes in hazardous areas of zones 2 and 22.

### Design:

**Housing:** Diecast aluminium, natural finish, gear set located inside the housing, wired ready for connection.

**Cover:** Polycarbonate opalescent white, (W), foamed silicone gasket. (Pictograms – if required – to be ordered separately,

see accessories).

**LED:** 2 highpower LED 1W, 6,500K.

**Connection terminal:** 3 or 4 poles, clamping range max. 2.5mm<sup>2</sup>.

**Cable entries:** 1 cable gland M20 x 1.5 on the front side.

**Mounting:** Mounting sheet on the rear side.

### Options:

See „Further Series/Equipment“.

### Technical Data:

**LED:** Highpower LED, 6,500K, R<sub>a</sub>70, L<sub>70</sub>B<sub>10</sub> > 50.000h at max. ambient temperature

### Electrical design

#### (fitting with incorporated 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:

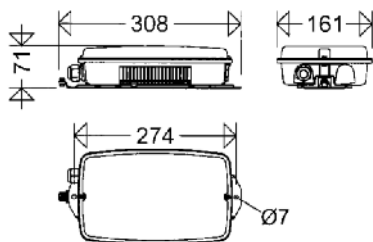
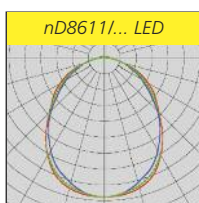
Recharging time: 24 h, acc. to EN 60598-2-22

### Modes of operation:

Maintained or stand-by operation

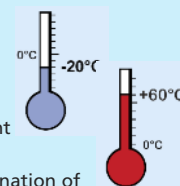
### Options:

- for connection to group or central battery systems
- cable looping on one side
- different voltages
- ECG for safety extra-low voltage (24V DC)
- for different ambient temperatures



### SCHUCH Quality - your advantage:

- energy saving up to 71% in comparison to an 8W fluorescent tube
- applicable at a wide temperature range from -20°C to +40°C
- safety in an emergency case, instant full light output (100% luminous flux) also at low temperatures
- stable luminous flux in emergency operation independent from the ambient temperatures
- outstanding visibility of the indication sign due to a superb and even illumination of the pictogram
- reduced battery capacity
- little thermal stress
- low weight
- almost maintenance-free operation due to long operation life of the LED (≥ 50,000h)
- no costs for lamp replacement
- robust against vibrations and shakings



## nD8611/201 W LED



II 3 G Ex nR IIC T4 Gc

II 3 D Ex tc IIIC T60-80°C Dc

IP65



### escape route light fitting

Ignition protection: nR

Explosion protection:

II 3 G Ex nR IIC T4 Gc Gc (Zone 2)

II 3 D Ex tc IIIC T60-80°C Dc (Zone 22)

Rated voltage: 220-240V AC, 50/60Hz

176-264V DC

Ambient temperature:

-20°C up to +40°C (further versions upon request).

Type	Article no.	Luminous flux W	Power/ consumption lm	luminous efficacy lm/W	Weight ca. kg <sup>1)</sup>
nD8611/201 W LED	86110 0001	4	100	25	0,9

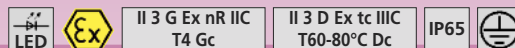
1) Weights without packing material

### Notes:

**Limitations for LED-light fittings:** See chapter „Use of LED lighting in corrosive atmospheres“ in the Technical Appendix.

All technical data is relevant at the time of print. Actual technical data can be found in the internet under [www.schuch.de](http://www.schuch.de).

# nD8611/201/. W LED



## Emergency/escape route light fitting with built-in battery

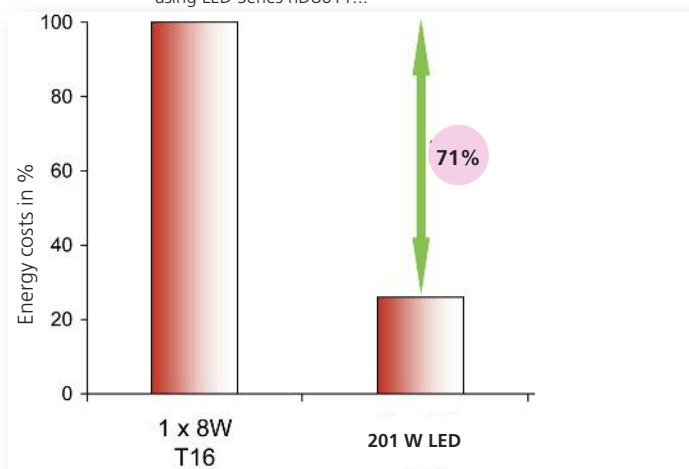
**Ignition protection:** nR  
**Rated voltage:** 220-240V AC, 50/60Hz  
**Explosion protection:**  
**Ambient temperature:**  
 II 3 G Ex nR IIC T4 Gc (Zone 2) -5°C bis +30°C (maintained operation)  
 II 3 D Ex tc III C T60-80°C Dc (Zone 22) -5°C bis +40°C (standby operation)

Type	Article no.	Luminous flux w	Power/ consumption lm	luminous efficacy lm/W	Weight ca. kg <sup>1)</sup>
nD8611/201/1 W LED	86111 0002	4	100	25	1,1
nD8611/201/3 W LED	86111 0003	4	100	25	1,3

1) Weights without packing material

Explosion-Protected Light Fittings Zone 2/22

**Energy cost savings**  
using LED Series nD8611...



Type nD8611/... with pictogram 220/110/35

### Self-adhesive pictogram



220/110/33 .../34 .../35

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

Viewing = 22m.

## Accessories / Spare Parts

Type	Article no.	
<b>Spare cover</b>		
3611 02	36004 9002	PC, white opalescent
<b>Self adhesive legends for series 3611 and 8611</b>		
220/110/33	12112 0101	Emergency exit to the left
220/110/34	12112 0102	Emergency exit to the right
220/110/35	12112 0103	Emergency exit below
<b>Cable entries</b>		
2531 G	90120 9008	Ex-plastic cable gland M20 x 1,5
2533 G	90122 9001	Ex-plastic cable gland M20 x 1,5 with plug