

## 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:** Die-cast 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:**

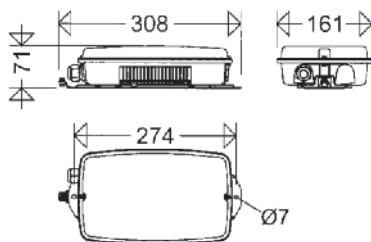
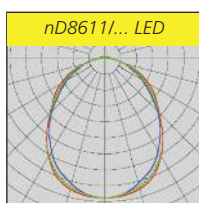
**Recharging time:** 24 h, acc. to EN 60598-2-22

### Modes of operation:

Maintained or stand-by operation

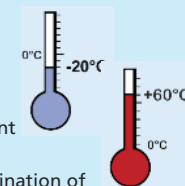
### Options:

- 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

### escape route light fitting



II 3 G Ex nR IIC  
T4 Gc

II 3 D Ex tc IIIC  
T60-80°C Dc

IP65



**Ignition protection:** nR

**Explosion protection:**

II 3 G Ex nR IIC T4 Gc Gc

II 3 D Ex tc IIIC T60-80°C Dc

(Zone 2)

(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 lm	Power/ consumption W	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

**Note:** 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



II 3 G Ex nR IIC  
T4 Gc

II 3 D Ex tc IIC  
T60-80°C Dc

IP65



### 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 IIC T60-80°C Dc (Zone 22)

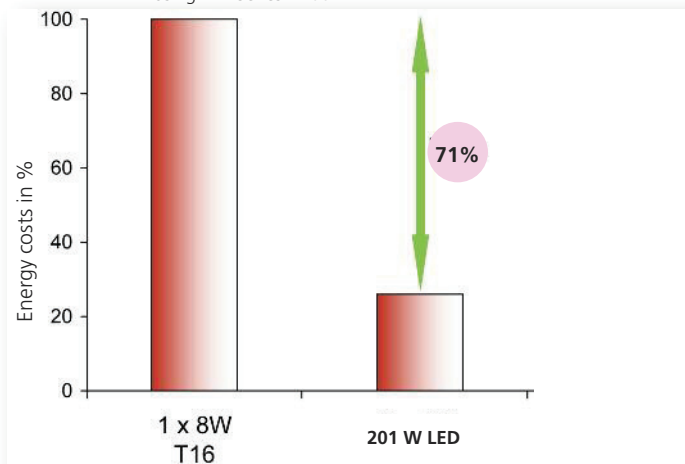
-5°C bis +40°C (standby operation)

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

1) Weights without packing material

### 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