



## 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).

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.

### 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  
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.

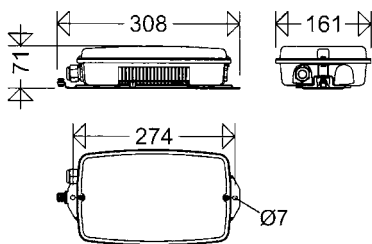
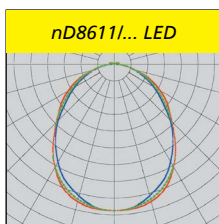
Electronic deep discharge protection

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

Modes of operation: Maintained or stand-by operation

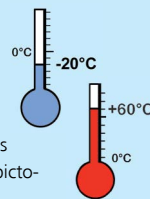
### Options:

- with monitoring device for individual monitoring the light fittings
- 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/-5°C up to +40°C (+60°C special versions)
- 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
- no costs for lamp replacement
- robust against vibrations and shakings



Article no.	Type	Power consumption [W] *	Luminous flux [lm] *	Luminous efficacy [lm/W]	1h operation time	3h operation time	Energy efficiency class	Weight [kg] (without packing material)
-------------	------	-------------------------	----------------------	--------------------------	-------------------	-------------------	-------------------------	--

## nD8611/201 W

### 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).



86110 0001	nD8611/201 W	4	100	25			A++	0,6
------------	--------------	---	-----	----	--	--	-----	-----

### for connection central battery systems

86111 0301	nD8611/201 W ZB	4	100	25			A++	0,6
------------	-----------------	---	-----	----	--	--	-----	-----

\* see notes

### 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).

Article no.	Type	Power consumption [W] *	Luminous flux [lm] *	Luminous efficacy [lm/W]	1h operation time	3h operation time	Energy efficiency class	Weight [kg] (without packing material)
-------------	------	-------------------------	----------------------	--------------------------	-------------------	-------------------	-------------------------	--

## nD8611/201/. W



II 3 G Ex nR IIC T4 Gc

II 3 D Ex tc IIIC 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 Gc (Zone 2)

-5°C bis +30°C (maintained operation)

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

-5°C bis +40°C (standby operation)

86111 0002	nD8611/201/1 W	5	100	20	•	A++	1,1
86111 0003	nD8611/201/3 W	5	100	20	•	A++	1,3

\* see notes



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

Article no.	Type	
<b>Spare cover</b>		
36004 9002	3611/02	PC, white opalescent
<b>Self adhesive legends for series 3611 and 8611</b>		
12112 0101	220/110/33	Emergency exit to the left
12112 0102	220/110/34	Emergency exit to the right
12112 0103	220/110/35	Emergency exit below
<b>Cable entries</b>		
90120 9008	2531 G	Ex-plastic cable gland M20 x 1,5 with nut
90121 9005	2532 G	Ex-plastic cable gland M20 x 1,5 with plug and with nut
<b>Spare-batteries</b>		
90222 9026	Akku 8620	Spare-battery 1h
90222 9027	Akku 8621	Spare-battery 3h