



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: 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. 2,5mm².

Cable entries: 1 cable gland M20 x 1,5 on the front side.

Mounting: 2 outer fixing points.

Technical Data:

LED: Linear module 6.500K, CRI > 80, lifetime L₈₀ > 70.000h 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

Options:

– same side in/out wiring (2 entries at one side M20 x 1,5)

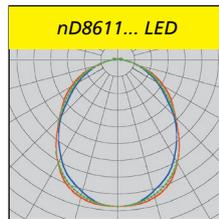
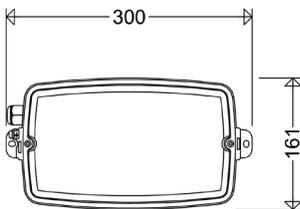
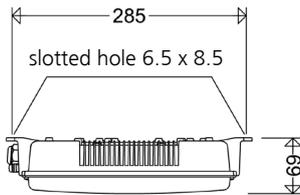
– versions for higher ambient temperatures up to +60°C (without self-contained battery)

For series with self-contained battery:

– Emergency lighting unit with DALI interface for central monitoring, compatible with LIMAS Line (DI) Light Management System

For series in case of connection to a central power supply unit:

– with integrated LED supply- and monitoring module for monitoring individual light fittings connected to group- or central battery systems. We recommend Central Battery Systems from INOTEC.

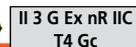


Product highlights:

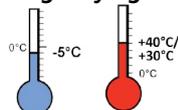
- safety in case of an emergency, instant light with maximum light output also at low temperatures
- stable luminous flux in emergency operation independent from the ambient temperatures
- outstanding visibility of the indication sign due to a superb and even illumination of the pictogram
- reduced battery capacity
- robust light fitting for rough environment
- perfect by strained field conditions
- homogeneous illumination by using opal diffusers, comfortable perception of light
- fast mounting through external mounting grounding clips

Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous flux [lm] (emergency)	Luminous efficacy [lm/W]	1h operation time	3h operation time	Weight [kg] (without packing material)
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nD8611 L02/. W



emergency light fitting with built-in battery



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: 220-240V AC, 50/60Hz

Ambient temperature:

-5°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

Properties, limitations and details for controlling LED-light fittings:

See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

Article no.	Type	Power consumption [W]	Luminous flux [lm]	Luminous flux [lm] (emergency)	Luminous efficacy [lm/W]	1h operation time	3h operation time	Weight [kg] (without packing material)
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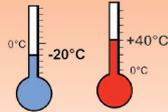
nD8611 L02 W



II 3 G Ex nR IIC
T4 Gc

II 3 D Ex tc IIIC
T80°C Dc

IP65



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)

-20°C up to +40°C

II 3 D Ex tc IIIC T80°C Dc (Zone 22)

(further versions upon request).

86110 0010	nD8611 L02 W	4	150	38			0,8
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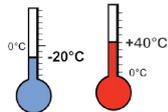
nD8611 L02 W ZB



II 3 G Ex nR IIC
T4 Gc

II 3 D Ex tc IIIC
T80°C Dc

IP65



Ignition protection: nR

Rated voltage: 220-240V AC/DC,

Explosion protection:

0 or 50/60Hz

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

Ambient temperature:

II 3 D Ex tc IIIC T80°C Dc (Zone 22)

-20°C up to +40°C

(further versions upon request).

86111 0013	nD8611 L02 W ZB	4	150	150	38		0,8
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for connection to central power supply unit

Explosion protected Light Fittings



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	
Spare cover		
36004 9002	3611/02	PC, white opalescent
Self adhesive legends for series 3611 and 8611		
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
Cable entries		
90120 9008	2531 G	Ex-protected cable gland with nut
90122 9001	2533 G	Ex-protected cable gland with plug and with nut
Spare-batteries		
90222 9026	Akku 8620	Spare-battery 1h
90222 9027	Akku 8621	Spare-battery 3h