

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.

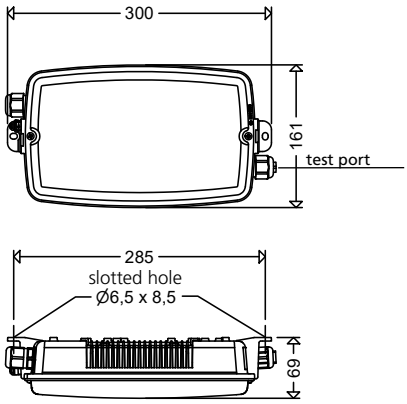
Design:
Housing: Die-cast aluminium, natural finish, all electrical components integrated in the housing, wired ready for connection.
Cover: Polycarbonate opalescent white, (**W**), foamed silicone gasket. (Pictograms – if required – to be ordered separately, see accessories).
Connection terminal: 3 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.

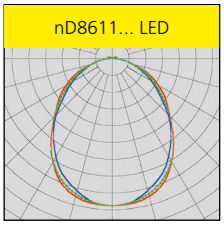
Technical Data:
LED: Linear module 6,500 K, CRI > 80, service life L_{80} > 70,000 h at max. ambient temperature

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.





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



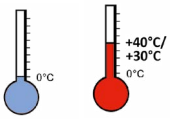
For series with self-contained battery:
– dimming function via DALI-2 interface, compatible with LIMAS Line Pro or Line ESC wired Light Management Systems

Product highlights:
- safety in case of an emergency, instant light with maximum light output
- **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
- robust light fitting for rough environment
- perfect by straintened field conditions
- **homogeneous illumination by using opal diffusers**, comfortable perception of light
- fast mounting through external mounting grounding clips
- control gear and LED-module replaceable by qualified personnel on-site

nD8611 L02/. W

II 3 G Ex nR IIC T4 Gc | II 3 D Ex tc IIIC T80°C Dc | IP65

self-contained emergency luminaire



Ignition protection: nR
Explosion protection:
II 3 G Ex nR IIC T4 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)

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)
86111 0010	**nD8611 L02/1 W**	5	150	150	30	•	•		1,0
86111 0011	**nD8611 L02/3 W**	5	150	150	30	•		•	1,2

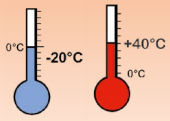
! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

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

Article no.	Type	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

II 3 G Ex nR IIC T4 Gc | II 3 D Ex tc IIIC T80°C Dc | IP65



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)

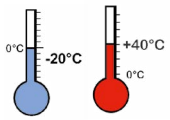
Rated voltage: 220-240 V AC, 50/60 Hz
Ambient temperature:
-20 °C up to +40 °C
(further versions upon request).

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

nD8611 L02 W ZB

II 3 G Ex nR IIC T4 Gc | II 3 D Ex tc IIIC T80°C Dc | IP65

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



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

Accessories / Spare Parts

Article no.	Type	
Spare cover		
36004 9002	**ABD 3611 W**	cover, diffuser PC opal, for 3611 ..., nD8611...
Self adhesive legends for series 3611 and 8611		
12112 0100	**PIK 220/110/32**	Emergency exit upstairs
12112 0101	**PIK 220/110/33**	Emergency exit to the left
12112 0102	**PIK 220/110/34**	Emergency exit to the right
12112 0103	**PIK 220/110/35**	Emergency exit below
Cable entries		
90120 9008	**2531 G**	ex-protected cable gland M20 x 1,5 with locknut
90122 9001	**2533 G**	ex-protected cable gland M20 x 1,5 with plug and with locknut
Spare-batteries		
90222 9026	**Akku NiMH 3,6V 2,2Ah Stab 8620**	Spare-battery 1 h
90222 9027	**Akku NiMH 6V 2,2Ah Stab 8621**	Spare-battery 3 h