

# EXLUX Emergency Luminaire with LED

Series 6409/4

STAHL



- The latest LED technology with a high luminous efficacy and a long service life
- Extremely high luminaire efficacy
- Can be adjusted from a 1.5 to a 3.0 h rated operating time
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the luminaire
- Automatic weekly function test and annual rated operating time test

E2

## MY R. STAHL 6409C



The emergency luminaire with Series 6409/4 LED with integrated battery can be installed in stand-by switching, continuous mode or in switchable stand-by switching. A weekly functional test and annual rated operating time test are performed automatically. The results are indicated by an LED.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in			•		•	•

Selection Table									
Size	2								
Lamp wattage	25 W								
Luminaire efficacy	116 lm/W								
Luminous flux	2910 lm								
Light colour	Operating time	Ballast	Disconnection of the luminaire	Threaded plate	Drilled holes	Through wiring	Product Type	Art. No.	Weight
5000 K – neutral white	1.5 h emergency lighting operation	LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm <sup>2</sup>	6409/4128-5103-162-1110-11-850011	267859	5.4 kg
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm <sup>2</sup>	6409/4128-5103-162-2220-22-850011	271825	5.45 kg
	3 h emergency lighting operation	LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm <sup>2</sup>	6409/4128-5203-162-1110-11-850011	267860	5.4 kg
		LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm <sup>2</sup>	6409/4128-5203-162-2220-22-850011	272458	5.4 kg

## Selection Table

Light colour	Operating time	Ballast	Disconnection of the luminaire	Threaded plate	Drilled holes	Through wiring	Product Type	Art. No.	Weight
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm <sup>2</sup>	6409/4148-5103-162-1110-11-850011	267861	8.1 kg
		LED NLE 80W 110-240V/7Ah/ 1.5h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm <sup>2</sup>	6409/4148-5103-162-2220-22-850011	271585	8.1 kg
		LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x plastic	3 x M25	With 6 conductors 2.5 mm <sup>2</sup>	6409/4148-5203-162-1110-11-850011	267862	8.1 kg
		LED NLE 80W 110-240V/7Ah/ 3.0h/	All-pole disconnection	2x SS430 stainless steel	3 x M20	With 6 conductors 2.5 mm <sup>2</sup>	6409/4148-5203-162-2220-22-850011	272470	8.1 kg

### Variants with 2 x threaded plate plastic and 3 x drilled holes M25:

Cable glands 2 x M25 Ø 7 -17 mm and 2 x stopping plugs M 25 x 1,5 are included loose with the product (installation required). Threaded plate included.

### Variants with 2 x threaded plate stainless steel SS430 and 3 x drilled holes M20:

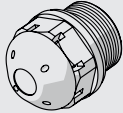
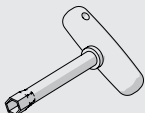
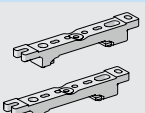
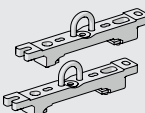

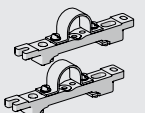
Cable glands and stopping plugs can be ordered as accessories. Threaded plate included.


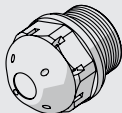
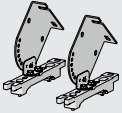
The light fittings are supplied without mounting material.


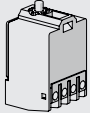
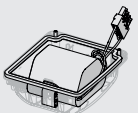
## Technical Data

Variant	Size 2
<b>Explosion Protection</b>	
IECEX gas explosion protection	Ex db ec IIC T4 Gc
IECEX dust explosion protection	Ex tb op is / tc IIIC T100 °C Db
IECEX dust explosion protection 2	Ex tc IIIC Db
ATEX gas explosion protection	Ⓔ II 3 G Ex db ec IIC T4 Gc
ATEX dust explosion protection	Ⓔ II 2 D Ex tb op is / tc IIIC T100 °C Db
ATEX dust explosion protection 2	Ⓔ II 2 D Ex tc IIIC Db
Note: Through wiring	Max. 3x16 A
Note: Through wiring 2	Max. 3x10 A
Certificates	ATEX (IBE), IECEX (IBE), India (PESO)
Declaration of Conformity	ATEX (EUK), Declaration of Conformity (AUS)
<b>Electrical Data</b>	
Rated operational voltage AC	110 – 240 V
Battery operating voltage	6 V
Battery capacity	7 Ah
Frequency range	50 – 60 Hz
Battery version	NiCd battery, gas-tight
<b>Ambient Conditions</b>	
Ambient temperature °C	-30 – 50 °C
Ambient temperature	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +55 °C Note: Through wiring 2 Max. 3x10 A
<b>Lighting Data</b>	
Number of lamps	1
Lamp	LED
Light distribution	120°x120° with diffusing glass
Colour rendering	≥ 80
Colour temperature	5000 K
<b>Mechanical Data</b>	
Enclosure material	Polyester resin, Glass fibre reinforced

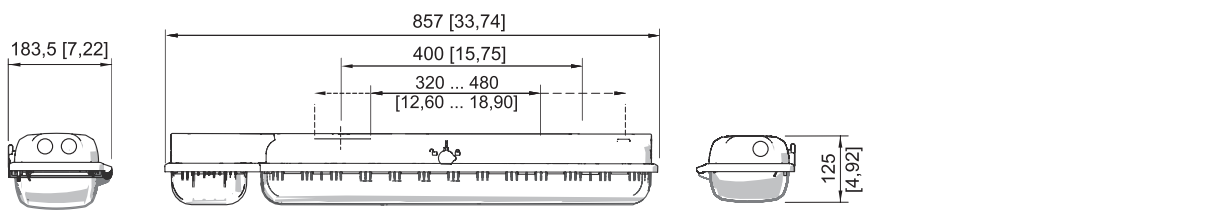
Technical Data	
Variant	Size 2
Mechanical Data	
Diffuser	With diffuser
Sealing material	Silicone
Installed terminal strip	PE + N + L1 + L2 + L3 + L'
Max. solid connection terminals	6 mm <sup>2</sup>
Max. finely stranded connection terminals	4 mm <sup>2</sup>
Type of connection cable	Finely stranded Solid
Impact strength (IEC 62262)	IK10
Enclosure colour	Light grey (RAL 7035)
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)
Components	
Cable glands and entries	2 x M25 Ø 7 – 17 mm
Cable entry material	Polyamide, black
Stopping plugs	2 x M25 x 1.5
Stopping plug material	Polyamide, black

Accessories		Art. No.	Weight
Breather			
	Thread: M25 x 1.5; 20 pc; without counter nut	285780	200 g
Socket key			
	M8 / wrench size 13; to open/close the central locking	222430	110 g
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
Pipe clamp			
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459	700 g
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458	700 g
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460	750 g

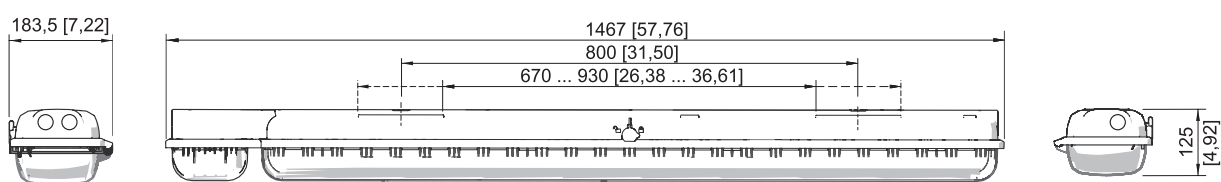
Accessories			
Figure	Description	Art. No.	Weight
<b>Ring bolt</b>			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
<b>Breather</b>			
	Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut	138573	10 g
<b>Ceiling and wall mounting bracket</b>			
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827	1.2 kg

Spare Parts			
Figure	Description	Art. No.	Weight
<b>Cover</b>			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 2	222427	639 g
<b>Contact element</b>			
	8080/1-3-L 2 NC contact element	132527	26 g
<b>Battery set</b>			
	Battery cover with built-in battery. Gas-tight NiCd battery; 7 Ah / 6 V	223532	1.2 kg

**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**



Size 2



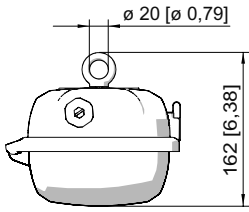
Size 4

# EXLUX Emergency Luminaire with LED

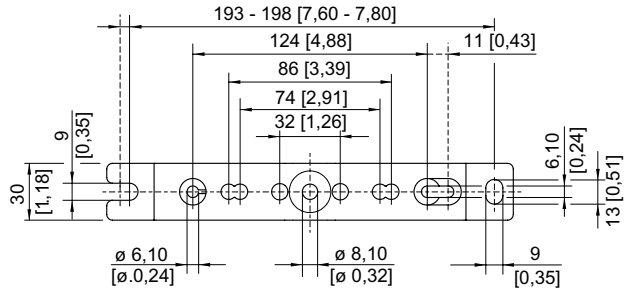
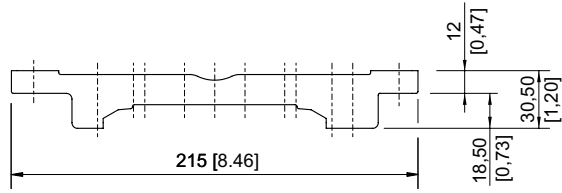
Series 6409/4



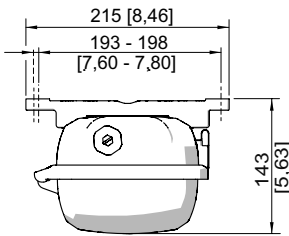
E2



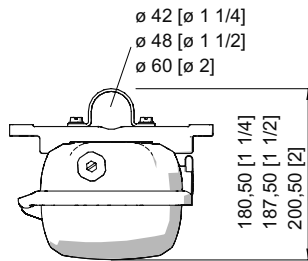
Ring bolt fitted in insert nut of the luminaire



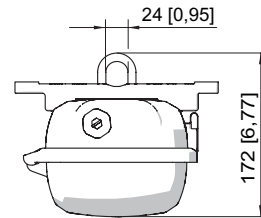
Mounting rail



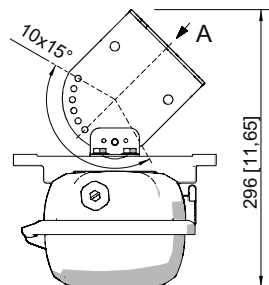
Mounting rail



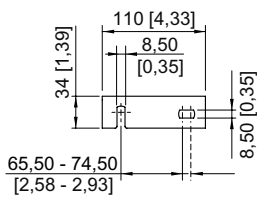
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail

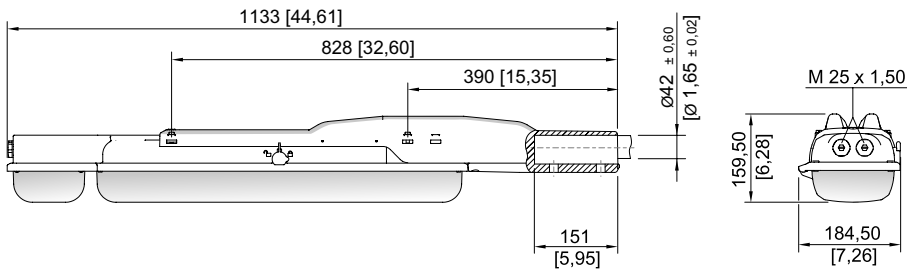


A

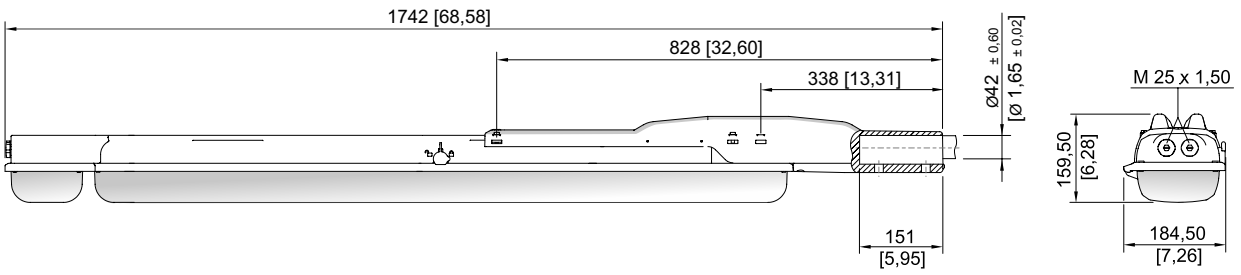


Wall mounting bracket fitted in mounting rail

E2



Size 2



Size 4