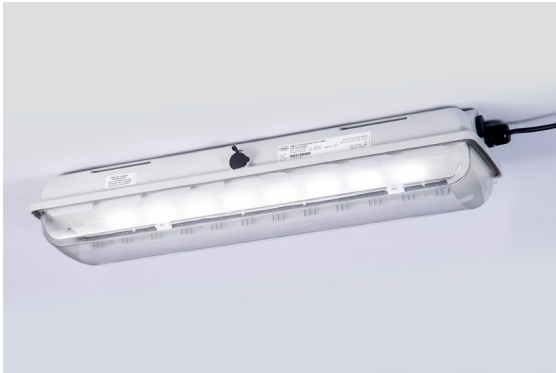


# EXLUX Emergency Linear Luminaire with LED

Series 6609/1

STAHL



- Smart Central Locking System – Allows effortless access for quick maintenance, minimizing downtime and enhancing operational efficiency.
- Wide Voltage of 100 to 277 V AC – Makes the light fixtures suitable for different applications & environment.
- Advanced Surge Protection up to 6KV – Engineered for resilience, the robust design shields the luminaire from electrical surges, ensuring long-lasting performance.
- Emergency Light Output - Ensures essential visibility during evacuation or system restoration.
  - 2 ft model: Up to 65% brightness for 1.5h or 35% for 3h.
  - 4 ft model: Up to 35% brightness for 1.5h or 20% for 3h.
- Long- Lasting LED Performance – Designed for durability, the luminaire delivers over 1,00,000 hours (L70B50) of service life even in +55°C ambient conditions.

E2

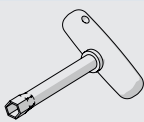
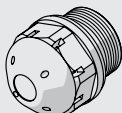
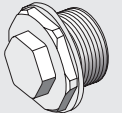
## MY R. STAHL 6609A

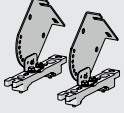
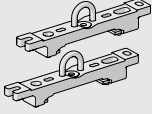
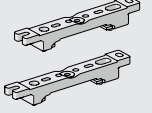
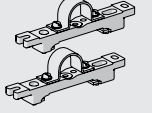
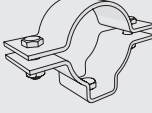
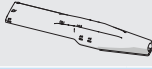


The emergency luminaire with Series 6609/1 LED with integrated battery can be installed in stand-by switching, continuous mode or in switchable stand-by switching. A monthly functional test and annual rated operating time test are performed automatically. The results are indicated by an LED.

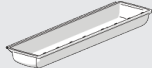
	IECEX					
Zone	0	1	2	20	21	22
Installation in			•		•	•

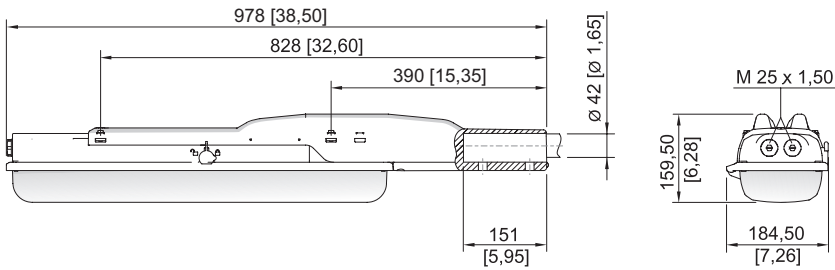
Selection Table								
Size							2	
Lamp wattage							26 W	
Luminaire efficacy							109 lm/W	
Luminous flux							2837 lm	
Drilled holes	Threaded plate	Light colour	Cable glands and entries	Stopping plugs	Through wiring	Product Type	Art. No.	Weight
3 x M20	2x stainless steel	5700 K – cool white	can be ordered as an accessory	Can be ordered as accessories	With 6 conductors 2.5 mm <sup>2</sup>	6609/1123-0101-162-2220-22-85711	342172	6.3 kg
3 x M20	2x stainless steel	5700 K – cool white	can be ordered as an accessory	Can be ordered as accessories	With 6 conductors 2.5 mm <sup>2</sup>	6609/1123-0201-162-2220-22-85711	342173	6.3 kg
3 x M25	2x plastic	5700 K – cool white	2 x M25 Ø 7 ... 17 mm	1 x M25 x 1.5	With 6 conductors 2.5 mm <sup>2</sup>	6609/1123-0101-162-1110-11-85711	342148	6.3 kg
3 x M25	2x plastic	5700 K – cool white	2 x M25 Ø 7 ... 17 mm	1 x M25 x 1.5	With 6 conductors 2.5 mm <sup>2</sup>	6609/1123-0201-162-1110-11-85711	342149	6.3 kg
Size							4	
Lamp wattage							50 W	
Luminaire efficacy							112 lm/W	
Luminous flux							5594 lm	
Drilled holes	Threaded plate	Light colour	Cable glands and entries	Stopping plugs	Through wiring	Product Type	Art. No.	Weight
3 x M20	2x stainless steel	5700 K – cool white	can be ordered as an accessory	Can be ordered as accessories	With 6 conductors 2.5 mm <sup>2</sup>	6609/1143-0101-162-2220-22-85711	342180	8.8 kg
3 x M20	2x stainless steel	5700 K – cool white	can be ordered as an accessory	Can be ordered as accessories	With 6 conductors 2.5 mm <sup>2</sup>	6609/1143-0201-162-2220-22-85711	342181	8.8 kg
3 x M25	2x plastic	5700 K – cool white	2 x M25 Ø 7 ... 17 mm	1 x M25 x 1.5	With 6 conductors 2.5 mm <sup>2</sup>	6609/1143-0101-162-1110-11-85711	342176	8.8 kg
3 x M25	2x plastic	5700 K – cool white	2 x M25 Ø 7 ... 17 mm	1 x M25 x 1.5	With 6 conductors 2.5 mm <sup>2</sup>	6609/1143-0201-162-1110-11-85711	342177	8.8 kg

Technical Data		
Variant	Size 2	Size 4
<b>Explosion Protection</b>		
IECEX gas explosion protection	Ex db ec ib mb IIC T4	Ex db ec ib mb IIC T4
IECEX dust explosion protection	Ex tc IIIC T80 °C Dc	Ex tc IIIC T80 °C Dc
Note: Through wiring	Max. 3x10 A	Max. 3x10 A
Certificates	IECEX (BVIS), India (PESO)	IECEX (BVIS), India (PESO)
<b>Electrical Data</b>		
Battery operating voltage	7.2 V	7.2 V
Battery capacity	5 Ah	5 Ah
Battery version	NiCd battery, gas-tight	NiCd battery, gas-tight
<b>Lighting Data</b>		
Number of lamps	1	1
Lamp	LED	LED
Light distribution	120°x120° with diffusing glass	120°x120° with diffusing glass
Operating time	1.5h emergency lighting operation	1.5h emergency lighting operation
Emergency light output	65% – 1.5 h	35% – 1.5 h
Colour rendering	≥ 80	≥ 80
<b>Mechanical Data</b>		
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Diffuser	With diffuser	With diffuser
Sealing material	Silicone	Silicone
Installed terminal strip	PE + N + L1 + L2 + L3 + L´	PE + N + L1 + L2 + L3 + L´
Type of connection cable	Finely stranded Solid	Finely stranded Solid
Impact strength (IEC 62262)	IK10	IK10
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)
<b>Components</b>		
Ballast	6049/111-110-10 + 6246/111-1	6049/111-110-10 + 6246/111-1
Cable entry material	Polyamide, black	Polyamide, black
Stopping plug material	Polyamide, black	Polyamide, black

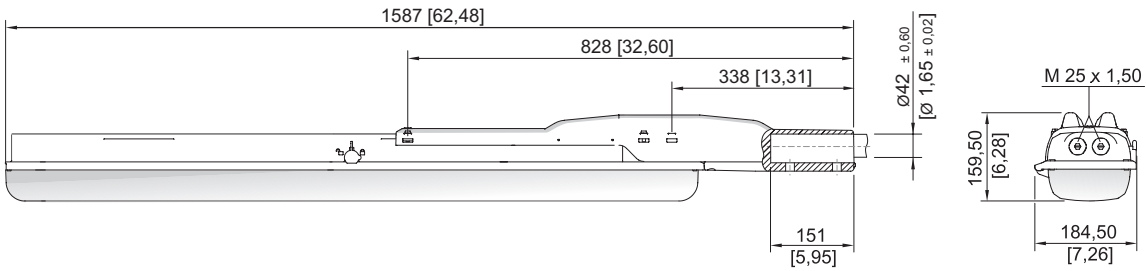
Accessories			
Figure	Description	Art. No.	Weight
<b>Box spanner</b>			
	M8 / A/F 13; For actuating the central lock	222430	110 g
<b>Breather</b>			
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780	200 g
	M25 x 1.5 in order to avoid condensate formation	115738	17 g
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608	76 g

Accessories			
Figure	Description	Art. No.	Weight
<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
<b>Mounting bracket</b>			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
<b>Mounting rail</b>			
	for a variable mounting distance; 1 pair	222826	350 g
<b>Pipe clamp</b>			
	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
<b>Pole mounting</b>			
	Pole mounting acces. 1.4301 ø38mm-1 pair	324916	700 g
	Pole mounting acces. 1.4301 ø42mm-1 pair	324914	720 g
	Pole mounting acces. 1.4301 ø50mm-1 pair	324915	750 g
	Pole mounting acces. 1.4301 ø60mm-1 pair	324912	800 g
	Pole mounting acces. 1.4404 ø50mm-1 pair	324917	750 g
	Pole mounting acces. 1.4404 ø60mm-1 pair	324913	800 g
<b>Pole mounting sleeve</b>			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
<b>Ring bolt</b>			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
<b>Wall mounting</b>			
	Wall/ceiling mtg.bkt. 1.4301w-1pair	324918	600 g

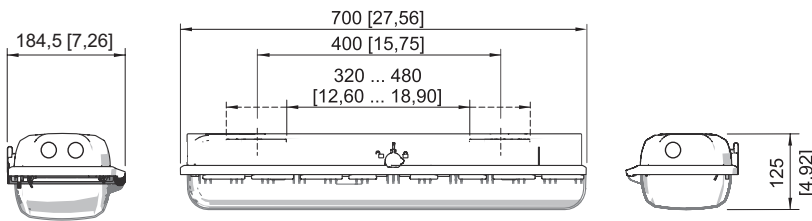
Spare Parts			
Figure	Description	Art. No.	Weight
<b>Cover</b>			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 2	222427	639 g



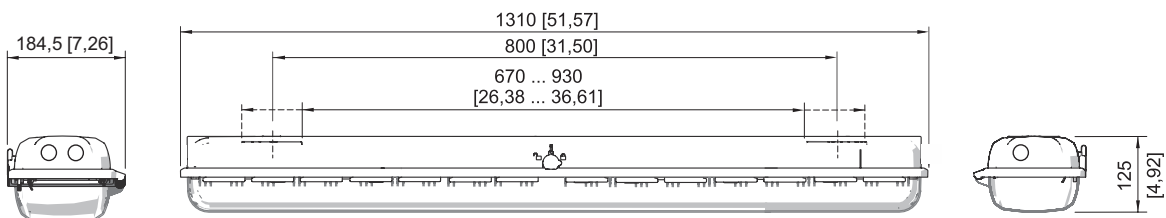
Size 2



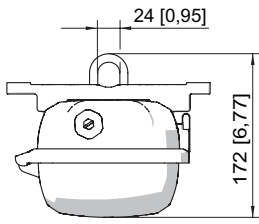
Size 4



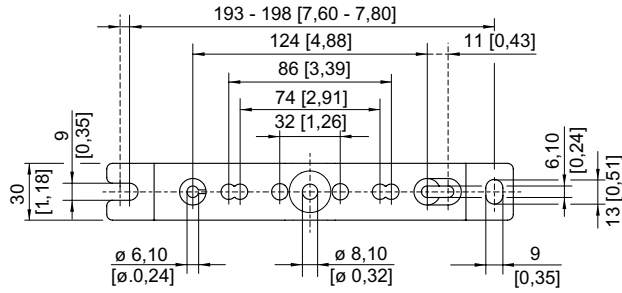
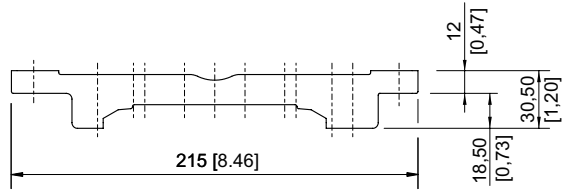
Size 2



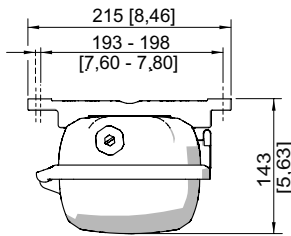
Size 4



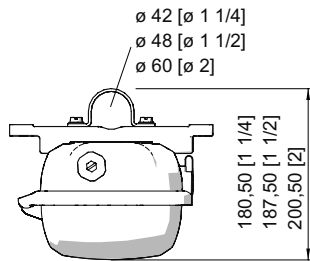
Mounting bracket fitted in mounting rail



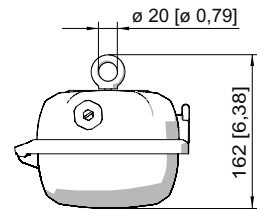
Mounting rail



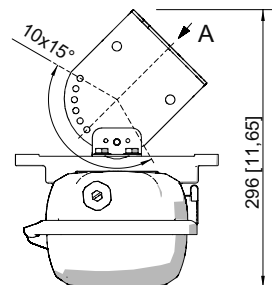
Mounting rail



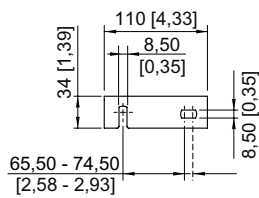
Pipe clamp fitted in mounting rail



Ring bolt fitted in insert nut of the luminaire



A



Wall mounting bracket fitted in mounting rail

### Start-up current

$I_{peak} = 51 \text{ A}$ ;  $\Delta t = 127 \mu\text{s}$

Maximum number of luminaires per miniature circuit breaker:

Type	10 A	16 A	20 A	25 A
B	12	19	24	31



# EXLUX Emergency Linear Luminaire with LED

Series 6609/1

E2

C	20	33	41	51
K	41	66	82	103

typical value for 1-pole miniature circuit breaker at +25 °C and nominal voltage 230 V AC; the exact number depends on the miniature circuit breaker used