

EXLUX Emergency Linear Luminaire with LED

Series 6209/1

STAHL

E2



- 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.
 - i. 2 ft model: Up to 65% brightness for 1.5h or 35% for 3h.
 - ii. 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.

MY R. STAHL 6209A

The emergency luminaire with Series 6209/1 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.

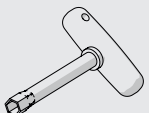
	IECEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

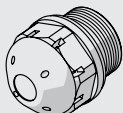
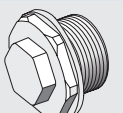
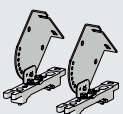
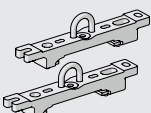
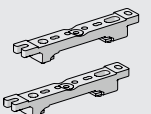
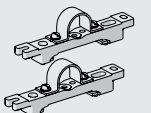
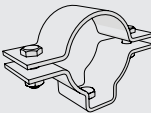
Selection Table								
Size			2					
Lamp wattage			26 W					
Luminaire efficacy			113 lm/W					
Luminous flux			2949 lm					
Drilled holes	Threaded plate	Light colour	Cable glands and entries	Stopping plugs	Through wiring	Product Type	Art. No.	Weight
3 x M20	2x stainless steel	5700 K – cool white	can be ordered as an accessory	Can be ordered as accessories	With 6 conductors 2.5 mm ²	6209/1123-0101-162-2220-22-75711	342104	6.4 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 ²	6209/1123-0201-162-2220-22-75711	342105	6.4 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 ²	6209/1123-0101-162-1110-11-75711	341860	6.4 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 ²	6209/1123-0201-162-1110-11-75711	342101	6.4 kg
Size			4					
Lamp wattage			50 W					
Luminaire efficacy			120 lm/W					
Luminous flux			5999 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 ²	6209/1143-0101-162-2220-22-75711	342118	9 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 ²	6209/1143-0201-162-2220-22-75711	342119	9 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 ²	6209/1143-0101-162-1110-11-75711	342114	9 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 ²	6209/1143-0201-162-1110-11-75711	342115	9 kg

Technical Data

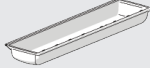
Variant	Size 2	Size 4
Explosion Protection		
IECEX gas explosion protection	Ex db eb ib mb IIC T4 Gb	Ex db eb ib mb IIC T4 Gb
IECEX dust explosion protection	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db
Note: Through wiring	Max. 3x10 A	Max. 3x10 A
Certificates	IECEX (BVIS)	IECEX (BVIS)
Electrical Data		
Rated operational voltage AC	100 ... 277 V	100 ... 277 V
Battery operating voltage	7.2 V	7.2 V
Battery capacity	5 Ah	5 Ah
Frequency range	50 – 60 Hz	50 – 60 Hz
Battery version	NiCd battery, gas-tight	NiCd battery, gas-tight
Ambient Conditions		
Ambient temperature	-20 °C ... +55 °C Note: Through wiring Max. 3x10 A	-20 °C ... +55 °C Note: Through wiring Max. 3x10 A
Lighting Data		
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	≥ 70	≥ 70
Mechanical Data		
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'
Max. solid connection terminals	6 mm²	6 mm²
Max. finely stranded connection terminals	4 mm²	4 mm²
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)
Components		
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

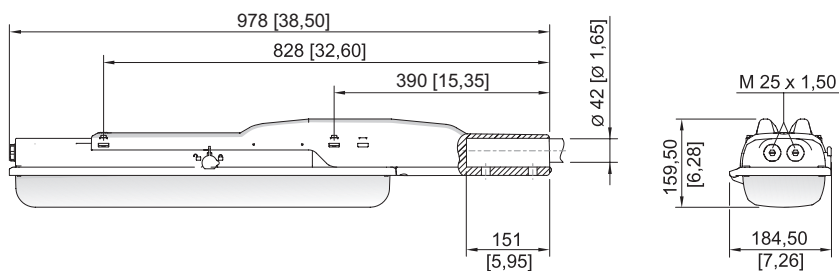
Figure	Description	Art. No.	Weight
Box spanner			
	M8 / A/F 13; For actuating the central lock	222430	110 g

Accessories			
Figure	Description	Art. No.	Weight
Breather			
	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
Ceiling and wall mounting bracket			
	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
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
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
Pole mounting			
	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
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
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
Wall mounting			
	Wall/ceiling mtg. bkt. 1.4301w-1pair	324918	600 g

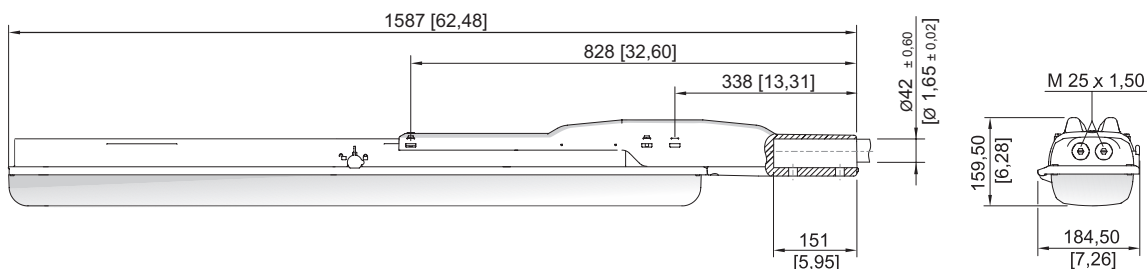
Spare Parts

Figure	Description	Art. No.	Weight
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 2	222427	639 g

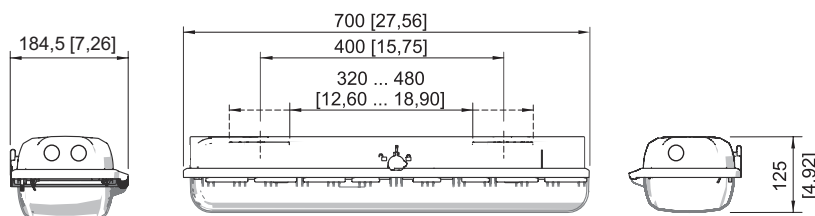
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



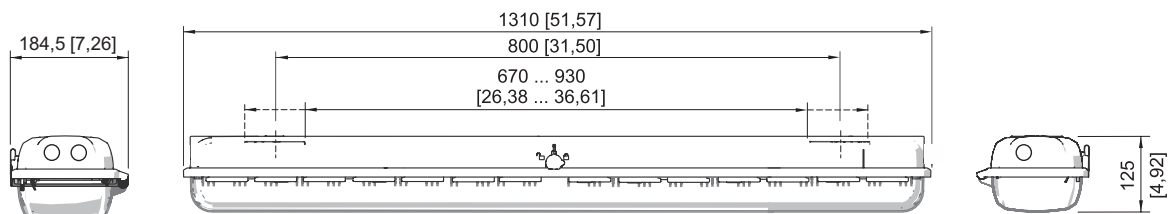
Size 2



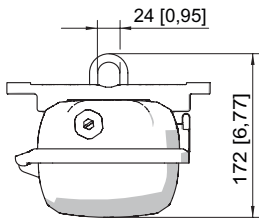
Size 4



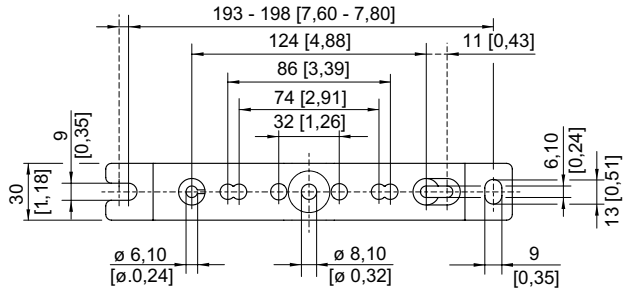
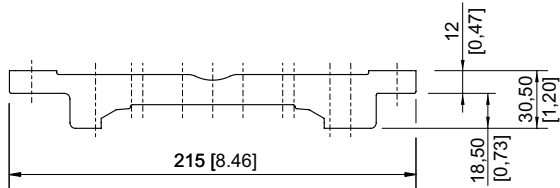
Size 2



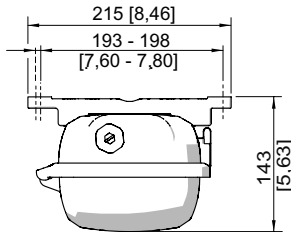
Size 4



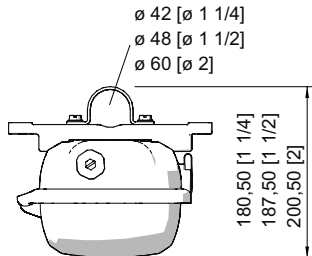
Mounting bracket fitted in mounting rail



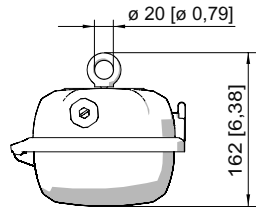
Mounting rail



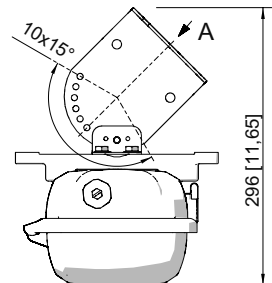
Mounting rail



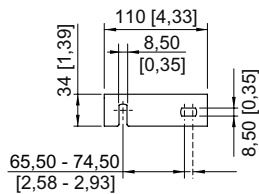
Pipe clamp fitted in mounting rail



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 6209/1

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