- 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 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			•		•	•
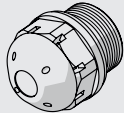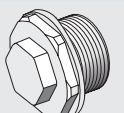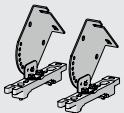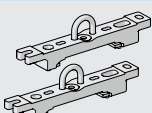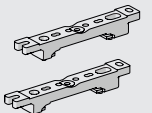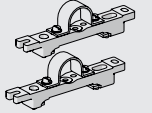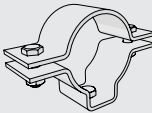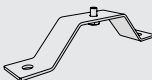
Selection Table

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 mm²	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 mm²	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 mm²	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 mm²	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

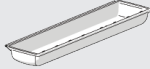| Drilled holes	Threaded plate	Light colour	Cable glands and entries	Stopping plugs	Through wiring	Product Type	Art. No.	Weight
3 x M20	2x stainless steel	5700 K – cool white	can be ordered as an accessory	Can be ordered as accessories	With 6 conductors 2.5 mm²	6609/1143-0101-162-2220-22-85711	342180	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 mm²	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 mm²	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 mm²	6609/1143-0201-162-1110-11-85711	342177	8.8 kg

EXLUX Emergency Linear Luminaire with LED
Series 6609/1

Technical Data

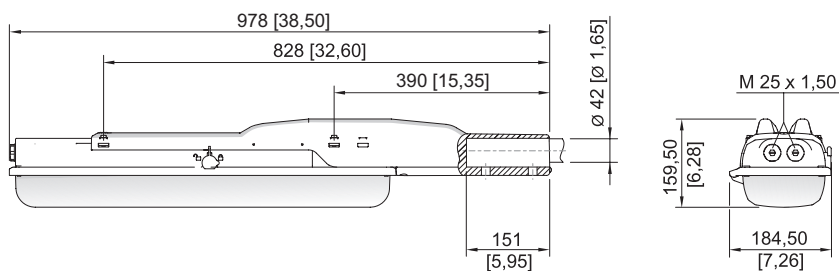| Variant	Size 2	Size 4
Explosion Protection		
IECEx gas explosion protection	Ex db ec ib mb IIC T4 Gc	Ex db ec ib mb IIC T4 Gc
IECEx dust explosion protection	Ex tc IIIC T80 °C Dc	Ex tc IIIC T80 °C Dc
Note: Through wiring	Max. 3x10 A	Max. 3x10 A
Certificates	IECEx (BVIS)	IECEx (BVIS)
Electrical Data		
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	≥ 80	≥ 80
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

Figure	Description	Art. No.	Weight
Accessories			
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

3

E2

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

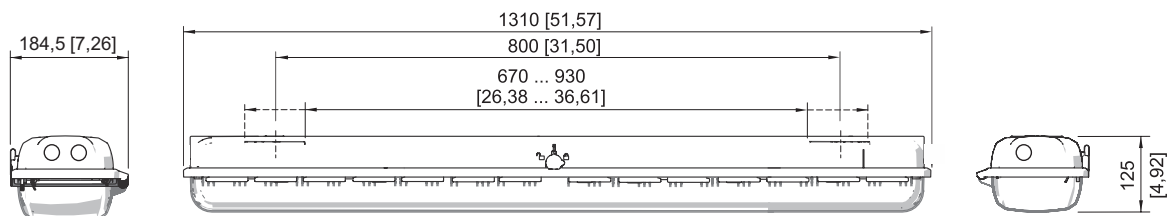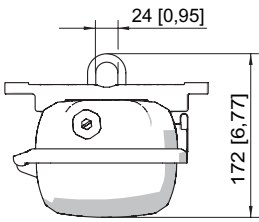**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**
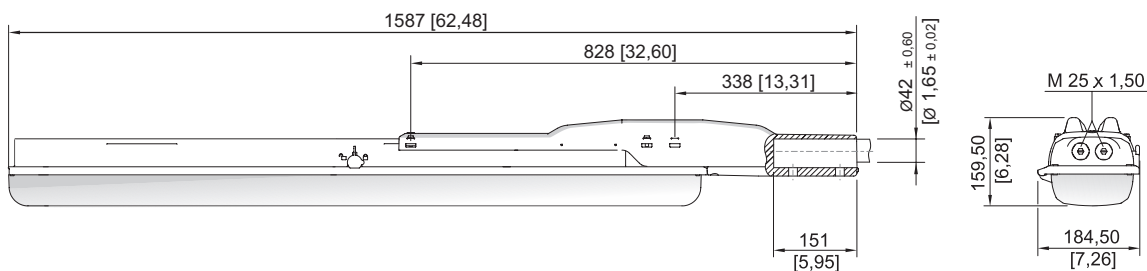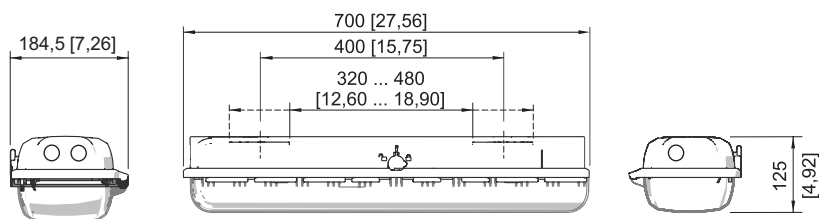
978 [38,50]
828 [32,60]
390 [15,35]
Ø 42 [Ø 1,65]
M 25 x 1,50
159,50 [6,28]
151 [5,95]
184,50 [7,26]

Size 2

1587 [62,48]
828 [32,60]
338 [13,31]
Ø42 ± 0,60 [Ø 1,65 ± 0,02]
M 25 x 1,50
159,50 [6,28]
151 [5,95]
184,50 [7,26]

Size 4

184,5 [7,26]
700 [27,56]
400 [15,75]
320 ... 480 [12,60 ... 18,90]
125 [4,92]

Size 2

184,5 [7,26]
1310 [51,57]
800 [31,50]
670 ... 930 [26,38 ... 36,61]
125 [4,92]

Size 4

4

24 [0,95]

172 [6,77]

Mounting bracket fitted in mounting rail

12 [0,47]

30,50 [1,20]

18,50 [0,73]

215 [8.46]

193 - 198 [7,60 - 7,80]

124 [4,88]

11 [0,43]

86 [3,39]

74 [2,91]

32 [1,26]

9 [0,35]

6,10 [0,24]

13 [0,51]

30 [1,18]

ø 6,10 [ø.0,24]

ø 8,10 [ø 0,32]

9 [0,35]

Mounting rail

215 [8,46]

193 - 198 [7,60 - 7,80]

143 [5,63]

Mounting rail

ø 42 [ø 1 1/4]
ø 48 [ø 1 1/2]
ø 60 [ø 2]

180,50 [1 1/4]
187,50 [1 1/2]
200,50 [2]
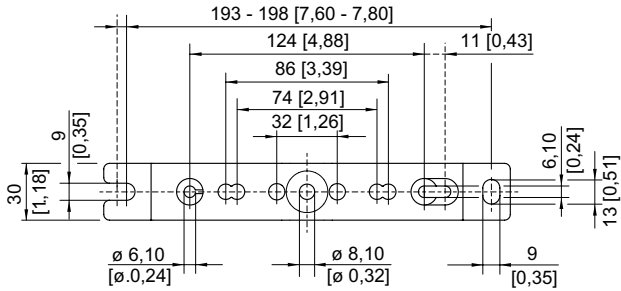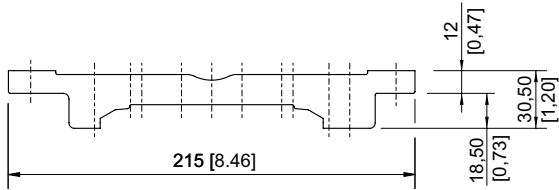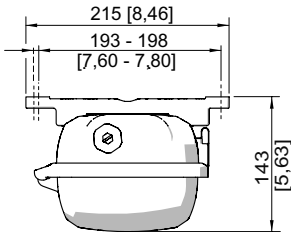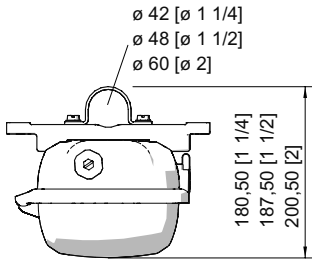
Pipe clamp fitted in mounting rail

ø 20 [ø 0,79]

162 [6,38]
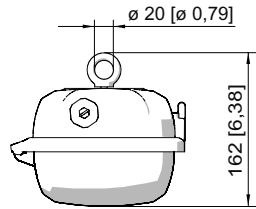
Ring bolt fitted in insert nut of the luminaire

10x15°

A

296 [11,65]

A

110 [4,33]

8,50 [0,35]

34 [1,39]

8,50 [0,35]

65,50 - 74,50 [2,58 - 2,93]
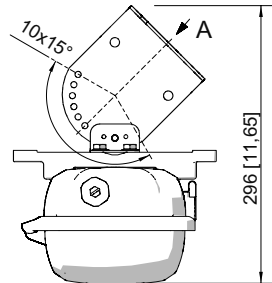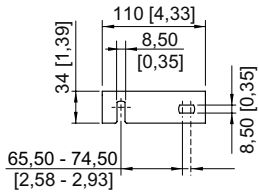
Wall mounting bracket fitted in mounting rail

Start-up current

Ipeak = 51 A; Delta t = 127 µs

Maximum number of luminaires per miniature circuit breaker:

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

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