

# Lighting

## Emergency luminaire With LED

GRP

6409/4148-5203-162-2220-22-850011 Art. No. 272470



- 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

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.

### Technical Data

#### Explosion Protection

Ex version	Yes
Application range (zones)	2 21 22
IECEX gas certificate	IECEX IBE 16.0047
IECEX gas explosion protection	Ex db ec IIC T4 Gc
IECEX dust certificate	IECEX IBE 16.0047
IECEX dust explosion protection	Ex tb op is / tc IIIC T100 °C Db
ATEX gas certificate	IBExU 16 ATEX 1233
ATEX gas explosion protection	⊕ II 3 G Ex db ec IIC T4 Gc
ATEX dust certificate	IBExU 16 ATEX 1233
ATEX dust explosion protection	⊕ II 2 D Ex tb op is / tc IIIC T100 °C Db
Certificates and approvals	ATEX IECEX
Certificates	ATEX (IBE), IECEX (IBE), India (PESO)
Declaration of Conformity	ATEX (EUK), Declaration of Conformity (AUS)

#### Electrical Data

Rated operational voltage AC	110 – 240 V
Battery version	NiCd battery, gas-tight
Battery operating voltage	6 V
Battery capacity	7 Ah
Self-test function	With (standard)
Frequency range	50 – 60 Hz

#### Lighting Data

Number of lamps	1
Lamp wattage	45 W
Lamp	LED
Light colour	5000 K – neutral white

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#### Lighting Data

Light distribution	120°x120° with diffusing glass
Luminaire efficacy	129 lm/W
Luminous flux	5810 lm
Operating time	3 h emergency lighting operation
Emergency light output	20% – 3 h
Colour rendering	≥ 80
Colour temperature	5000 K

#### Ambient Conditions

Ambient temperature	-30 °C ... +50 °C Note: Through wiring Max. 3x16 A -30 °C ... +55 °C Note: Through wiring 2 Max. 3x10 A
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#### Mechanical Data

Version	Standard
IP degree of protection (IEC 60598)	IP66/IP67
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Light grey (RAL 7035)
Diffuser	With diffuser
Sealing material	Silicone
Silicone-free content	Contains silicone
Translucent cover material	Polycarbonate
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
Size	4
Width	183.5 mm
Height	125 mm
Length	1467 mm
Impact strength (IEC 62262)	IK10
Weight	8.1 kg
Weight	17.86 lb
Disconnection of the luminaire	All-pole disconnection

#### Components

Threaded plate	2x SS430 stainless steel
Ballast	LED NLE 80W 110-240V/7Ah/3.0h/
Through wiring	With 6 conductors 2.5 mm <sup>2</sup>
Drilled holes	3 x M20
Cable glands and entries	Can be ordered as accessories
Stopping plugs	Can be ordered as accessories
Accessories	without

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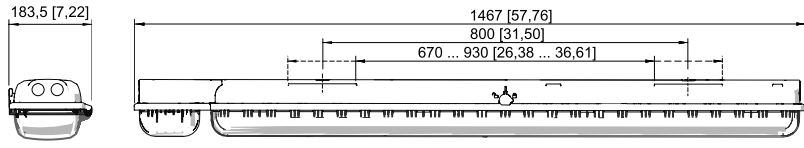
## Emergency luminaire With LED

### GRP

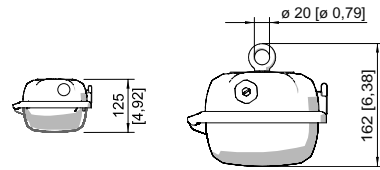
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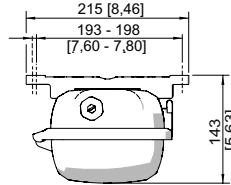
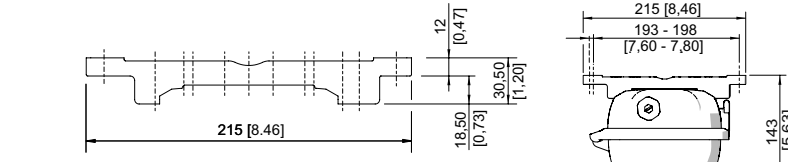
#### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



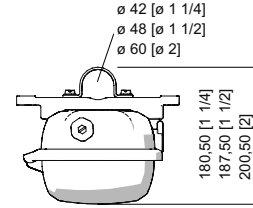
Size 4



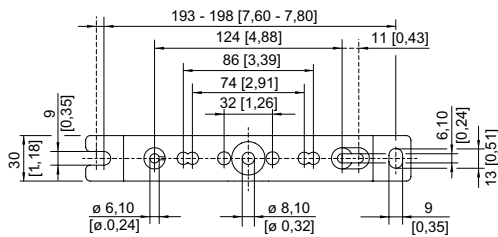
Ring bolt fitted in insert nut of the luminaire



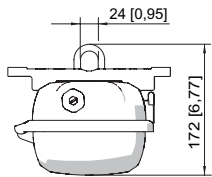
Mounting rail



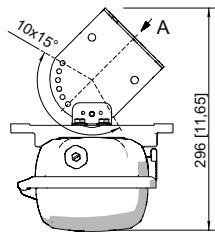
Pipe clamp fitted in mounting rail



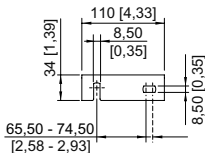
Mounting rail



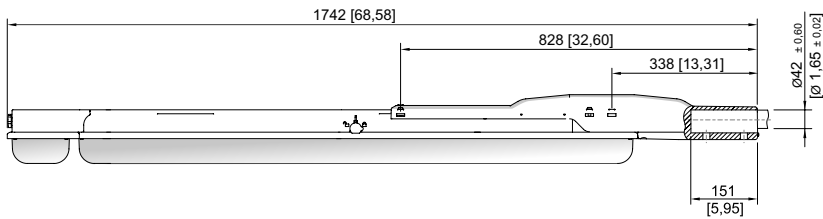
Mounting bracket fitted in mounting rail



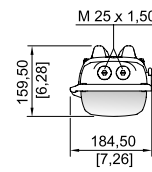
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Wall mounting bracket fitted in mounting rail

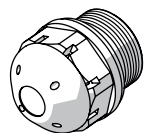


Size 4



## Accessories

### Breather



Thread: M25 x 1.5 (20 pieces); without jam nut

Art. No.

285780

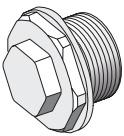
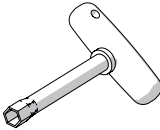
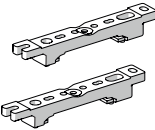
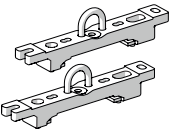
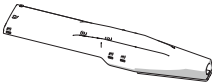
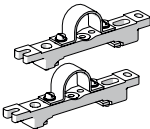

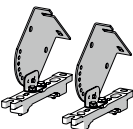
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	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608
<b>Box spanner</b>		<b>Art. No.</b>
	M8 / A/F 13; For actuating the central lock	222430
<b>Mounting rail</b>		<b>Art. No.</b>
	for a variable mounting distance; 1 pair	222826
<b>Mounting bracket</b>		<b>Art. No.</b>
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456
<b>Pole mounting sleeve</b>		<b>Art. No.</b>
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512
<b>Pipe clamp</b>		<b>Art. No.</b>
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460
<b>Ring bolt</b>		<b>Art. No.</b>
	M8, direct mounting in insert nuts; 1 pair	115736
<b>Ceiling and wall mounting bracket</b>		<b>Art. No.</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

## Spare Parts

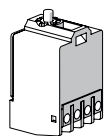
<b>Contact element</b>	<b>Art. No.</b>
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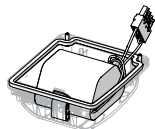
6409/4148-5203-162-2220-22-850011 Art. No. 272470



8080/1-3-L 2 NC contact element

132527

### Battery set



Battery cover with built-in battery. Gas-tight NiCd battery; 7 Ah / 6 V

Art. No.

223532

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.