



- 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	4000 K – warm neutral white

Lighting

Emergency luminaire With LED

GRP

6409/4148-5101-162-2220-22-840011 Art. No. 272460



Lighting Data

Light distribution	120°x120° with diffusing glass
Luminaire efficacy	129 lm/W
Luminous flux	5810 lm
Operating time	1.5 h emergency lighting operation
Emergency light output	35% – 1.5 h
Colour rendering	≥ 80
Colour temperature	4000 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
---------------------	--

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 ²
Max. finely stranded connection terminals	4 mm ²
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	Only battery

Components

Threaded plate	2x SS430 stainless steel
Ballast	LED NLE 80W 110-240V/7Ah/1.5h/
Through wiring	With 6 conductors 2.5 mm ²
Drilled holes	3 x M20
Cable glands and entries	Can be ordered as accessories
Stopping plugs	Can be ordered as accessories
Accessories	without

Lighting

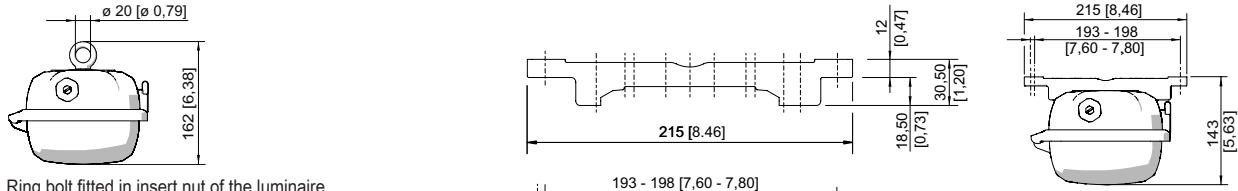
Emergency luminaire With LED

GRP

6409/4148-5101-162-2220-22-840011 Art. No. 272460

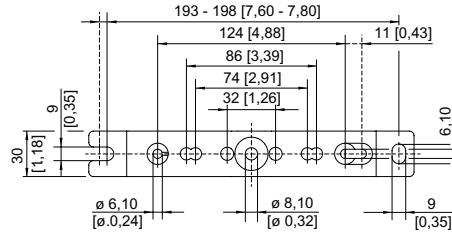


Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

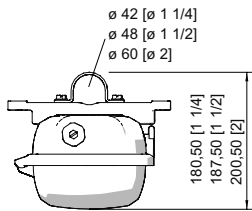


Ring bolt fitted in insert nut of the luminaire

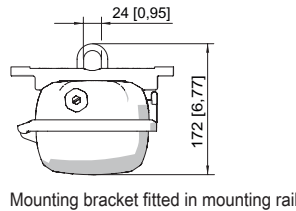
Mounting rail



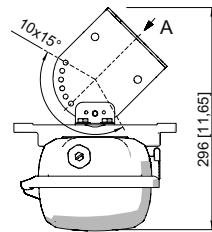
Mounting rail



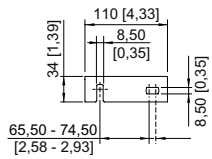
Pipe clamp fitted in mounting rail



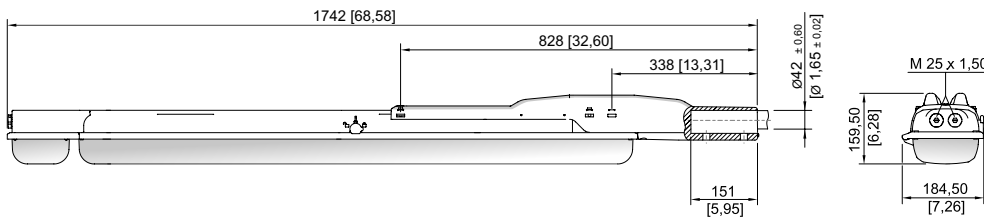
Mounting bracket fitted in mounting rail



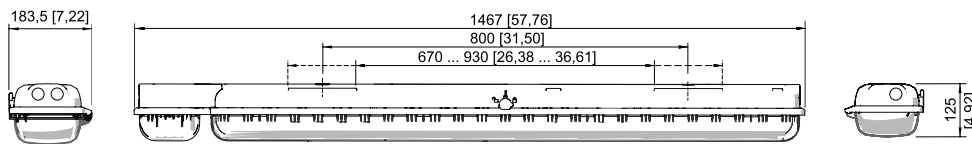
A



Wall mounting bracket fitted in mounting rail



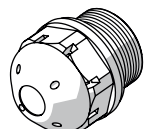
Size 4



Size 4

Accessories

Breather



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

Art. No.

285780

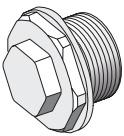
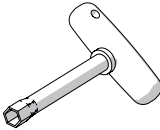
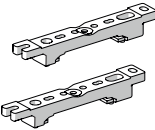
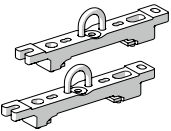
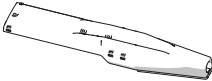
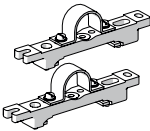

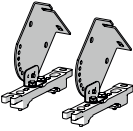
Lighting

Emergency luminaire With LED

GRP

6409/4148-5101-162-2220-22-840011 Art. No. 272460



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

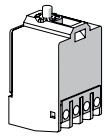
Contact element	Art. No.
------------------------	-----------------

Lighting

Emergency luminaire With LED

GRP

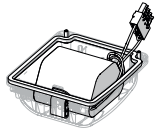
6409/4148-5101-162-2220-22-840011 Art. No. 272460



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.