Lighting
Linear luminaire With LED
GRP
6402/4128-9100-152-2220-22-8500   Art. No. 307333

STAHL

- State-of-the-art LED technology with high luminous efficacy and long service life
- Extremely high luminaire efficacy
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the luminaire
- Optionally with address modules for directly actuation of a common battery system

MY R. STAHL 6402C

The linear luminaire with Series 6402/4 LED is ideal for lighting surfaces at a mounting height of up to 10 m. It can also be used to illuminate equipment and objects, both inside and outside. The pole mounting sleeve accessory can be used to easily mount the luminaire on poles. Optionally, the luminaire can be equipped with an address module. It can be used to control and monitor the luminaire for the common battery systems.

Technical Data

Explosion Protection	
Ex version	Yes
Application range (zones)	2, 21, 22
IECEx gas certificate	IECEx IBE 14.0080
IECEX gas certificate	IECEx IBE 14.0080
IECEx gas explosion protection	Ex ec IIC T4 Gc
IECEx dust certificate	IECEx IBE 14.0080
IECEx dust explosion protection	Ex tb op is / tc IIIC T100 °C Db
ATEX gas certificate	IBExU 14 ATEX 1292
ATEX gas certificate	IBExU 14 ATEX 1292
ATEX gas explosion protection	⟨Ex⟩ II 3 G Ex ec IIC T4 Gc
ATEX dust certificate	IBExU 14 ATEX 1292
ATEX dust explosion protection	⟨Ex⟩ II 2 D Ex tb op is / tc IIIC T100 °C Db
Certificates and approvals	ATEX IECEx UKEX
Certificates	ATEX (IBE), IECEx (IBE)
Declaration of conformity	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data	
Rated operational voltage AC	220 ... 240 V
Rated operational voltage DC	196 ... 250 V
Frequency range	50 – 60Hz
Lighting Data	
Number of lamps	1
Lamp wattage	22 W
Lamp	LED
Light colour	5000 K – neutral white

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Lighting Data

Light distribution	120°x120° with diffusing glass
Luminaire efficacy	132 lm/W
Luminous flux	2910 lm
Colour rendering	≥ 80
Colour temperature	5000 K

Ambient Conditions

Ambient temperature	-40 °C ... 50 °C (T100 °C) Note: Through wiring Max. 3x16 A
	-40 °C ... 55 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A

Mechanical Data
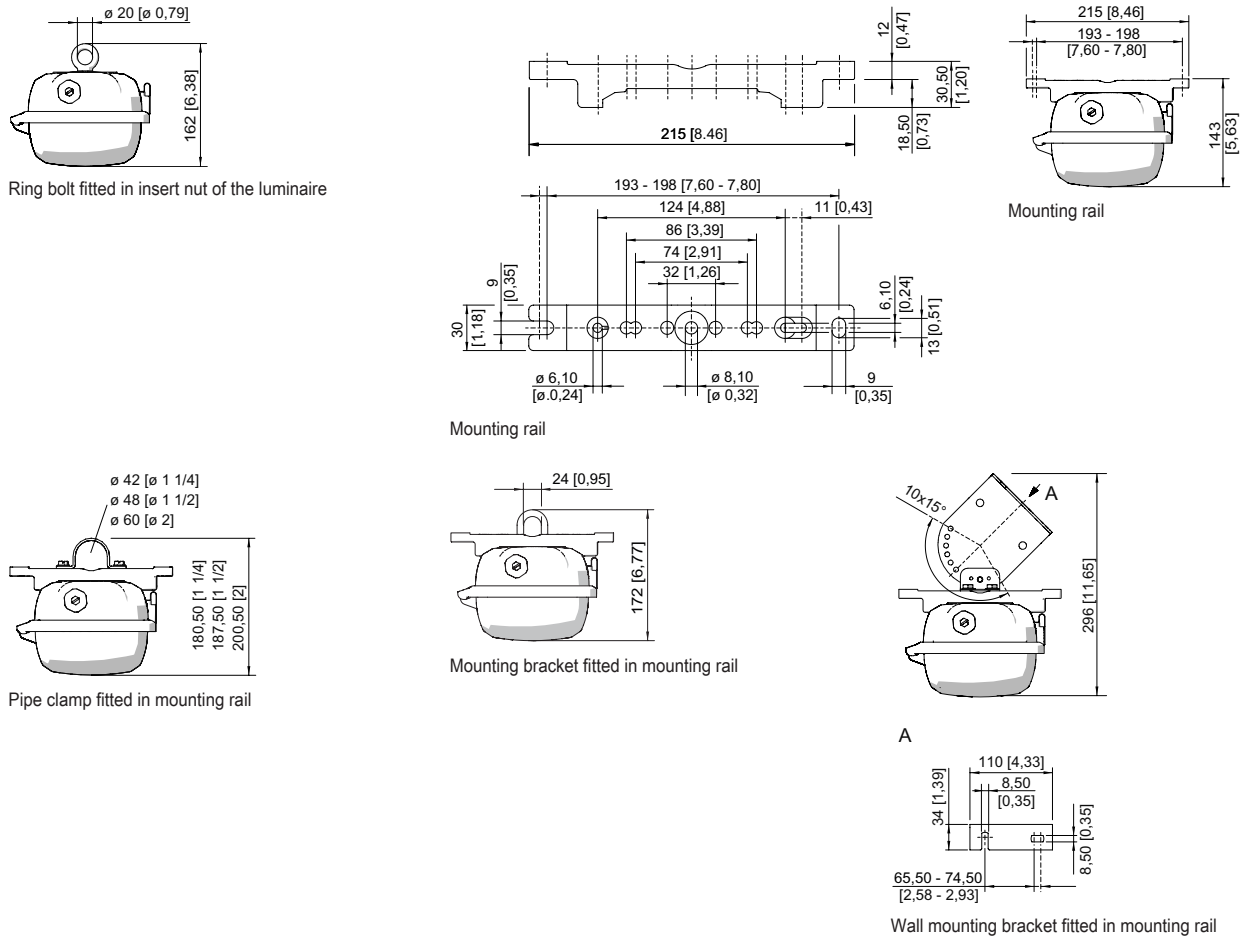
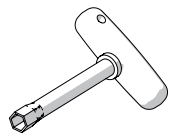|	
Version	Standard
IP degree of protection (IEC 60598)	IP66/IP67
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Light grey (RAL 7035)
Diffuser	With diffuser
Sealing material	Silicone
Silicone-free content	Contains silicone
Translucent cover material	Polycarbonate
Installed terminal strip	PE + N + L1 + L2 + L3
Max. solid connection terminals	6 mm²
Max. finely stranded connection terminals	4 mm²
Type of connection cable	Finely stranded Solid
Size	2
Width	184 mm
Height	125 mm
Length	700 mm
Impact strength (IEC 62262)	IK10
Weight	5.7 kg
Weight	12.57 lb
Disconnection of the luminaire	No

Components

Threaded plate	2x SS430 stainless steel
Ballast	CG Luxtronic 48 W 300mA (91)
Through wiring	With 5 conductors 2.5 mm²
Drilled holes	3 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	Can be ordered as accessories
Accessories	without

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

ø 20 [ø 0,79]

162 [6,38]

Ring bolt fitted in insert nut of the luminaire

12 [0,47]

215 [8.46]

30,50 [1,20]

18,50 [0,73]

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]

30 [1,18]

13 [0,51]

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

24 [0,95]

172 [6,77]

Mounting bracket fitted in mounting rail

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

Accessories

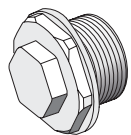| Box spanner		Art. No.
	M8 / A/F 13; For actuating the central lock	222430
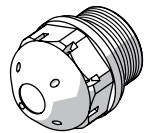
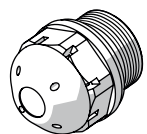| Breather		Art. No.
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608
	M25 x 1.5 in order to avoid condensate formation	115738

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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
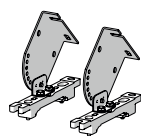
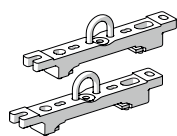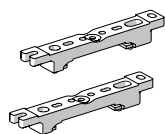| Holder for translucent cover		Art. No.
	The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.	226791

Mounting bracket		Art. No.
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456

Mounting rail		Art. No.
	for a variable mounting distance; 1 pair	222826
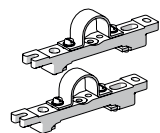
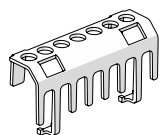| Pipe clamp		Art. No.
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460

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

Protection against accidental contact		Art. No.
	The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.	283153

Ring bolt		Art. No.
	M8, direct mounting in insert nuts; 1 pair	115736

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.

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