# Lighting Linear luminaire With LED GRP 6402/4168-6200-152-LLL2-22-8500 Art. No. 316815





- 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**

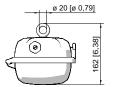
Explosion Protection		
Ex version	Yes	
Application range (zones)	2, 22	
IECEX gas certificate	IECEx IBE 14.0080	
IECEx gas explosion protection	Ex ec IIC T4 Gc	
IECEx dust certificate	IECEx IBE 14.0080	
IECEx dust explosion protection	Ex tb op is / tc IIIC T100 °C Db	
ATEX gas certificate	IBExU 14 ATEX 1292	
ATEX gas explosion protection	€ II 3 G Ex ec IIC T4 Gc	
ATEX dust certificate	IBExU 14 ATEX 1292	
ATEX dust explosion protection	ⓑ II 2 D Ex tb op is / tc IIIC T100 ℃ 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	200 250 V	
Frequency range	50 – 60Hz	
Lighting Data		
Number of lamps	1	
Lamp wattage	50 W	
Lamp	LED	
Light colour	5000 K – neutral white	
Light distribution	120°x120° with diffusing glass	
Luminaire efficacy	139 lm/W	



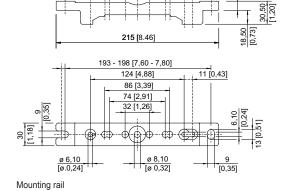
Luminous flux       6960 lm         Colour remdering       ≥ 80         Colour temperature       5000 K         Ambient Conditions       -20 °C 55 °C (T100 °C) Note: Through wiring Max. 3x16 A         -20 °C 55 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A         Mechanical Data         Version       Standard         IP degree of protection (ICC 60598)       IP66         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, finely stranded connection terminals       6 mm <sup>2</sup> Type of connection terminals       6 mm <sup>2</sup> Size       6         Width       144 mm         Height       125 mm         Length       1610 mm         Impact strength (IEC 62262)       IK10         Weight       7 kg         Weight       15.43 lb         Disconnection of the lumina	Lighting Data	
Colour temperature       5000 K         Ambient Conditions       -20 °C 55 °C (T100 °C) Note: Through wiring Max. 3x16 A         Ambient temperature       -20 °C 60 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A         Mechanical Data       Version         Version       Standard         IP degree of protection (IEC 60598)       IP66         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. finely stranded connection terminals       6 mm²         Max. finely stranded connection terminals       6         Solid       Solid         Size       6         Width       184 mm         Height       184 mm <td< th=""><th>Luminous flux</th><th>6960 lm</th></td<>	Luminous flux	6960 lm
Ambient Conditions       -20 °C 55 °C (T100 °C) Note: Through wiring Max. 3x16 A -20 °C 60 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A         Mechanical Data       Version       Standard         Version       Standard       Polyester resin, Glass fibre reinforced         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. finely stranded connection terminals       6 mm²         Silica       6         With       184 mm         Height       125 mm         Length       1810 mm         Impact strength (IEC 6262)       IK10         Weight       7 kg         Weight       15 43 lb         Disconnection of the luminaire       No         Componets       2x SK30 stainless steel         Ballast       VG Luxtronic 80 V 350 mA         Through wiring       With 5 conductors 2.5 mm²         Drilloholes	Colour rendering	≥ 80
Ambient temperature     -20 °C 55 °C (T100 °C) Note: Through wiring 2 Max. 3x16 A -20 °C 60 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A       Mechanical Data     Version       Version     Standard       IP degree of protection (IEC 6058)     IP66       Enclosure material     Polyester resin, Glass fibre reinforced       Enclosure colour     Light grey (RAL 7035)       Diffuser     With diffuser       Seling 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       Size     6       Width     184 mm       Height     125 mm       Length     1610 mm       Impact strength (IEC 62262)     IK10       Weight     7 kg       Weight     7 kg       Weight     7 kg       Disconnection of the luminaire     No       Components     Ye SA30 stainless steel       Balast     VG Luxtronic 80 W350 mA       Through wiring     With 5 conductors 2.5 mm²       Driled holes     4 x M20 <td>Colour temperature</td> <td>5000 K</td>	Colour temperature	5000 K
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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     Solid       Size     6       With     184 mm       Height     125 mm       Length     1610 mm       Impact strength (IEC 62262)     IK10       Weight     7 kg       Weight     15.43 lb       Disconnection of the luminaire     No       Components     Ye SS430 stainless steel       Ballast     VG Luxtronic 80 W30 mA       Threaded plate     4 xM20       Cable glands and entries     can be ordered as an accessory       Stopping plugs     3 x M20 x 1.5       Stopping plugs     3 x M20 x 1.5	Version	Standard
Enclosure colourLight grey (RAL 7035)DiffuserWith diffuserSealing materialSiliconeSilicone-free contentContains siliconeTranslucent cover materialPolycarbonateInstalled terminal stripPE + N + L1 + L2 + L3Max. solid connection terminals6 mm²Max. foily stranded connection terminals6 mm²Type of connection cableFinely stranded SolidSize6Width184 mmHeight125 mmLength1610 mmImpact strength (IEC 62262)IK10Weight7 kgWeight15.43 lbDisconnection of the luminaireNoComponents2x SS430 stainless steelBallastVG Luxtronic 80 W 350 mAThrough wiringWith 5 conductors 2.5 mm²Difled holes4 x M20Cable glands and entriescan be ordered as an accessoryStopping plug3 x M20 x 1.5Stopping plug materialPolyamide, black	IP degree of protection (IEC 60598)	IP66
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	Stopping plugs	3 x M20 x 1.5
Accessories Installed	Stopping plug material	Polyamide, black
	Accessories	Installed

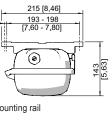
# Lighting Linear luminaire With LED GRP 6402/4168-6200-152-LLL2-22-8500 Art. No. 316815

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



Ring bolt fitted in insert nut of the luminaire

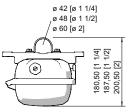




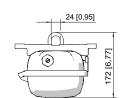
STAF

Mounting rail

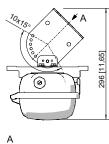
12 [0,47]

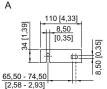


Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail





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



Aut No

#### Ceiling and wall mounting bracket



Art. No. mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp 222827 can be swiveled in steps of 15°; 1 pair

#### Holder for trans



sluce	slucent cover	
	The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.	226791

#### Alian Iana alian

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

## **Mounting rail** Art. No. 222826 for a variable mounting distance; 1 pair 200 39°

Pipe clamp		Art. No.
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
E-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458
E CONTRACTOR	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460
rotaction again	st accidental contact	Art No

Protection against accidental contact	
installers from accidentally to	ental contact prevents maintenance technicians and electrical uching conductive parts. The degree of protection is increased gainst accidental contact is used.

### **Ring bolt**

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

# **Spare Parts**

### Covor

Cover		Art. No.
	for luminaire size 6	222429

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.