# Linear luminaire With LED GRP



6002/4148-0130-152-2220-22-8500 Art. No. 277241



- The latest LED technology with a high luminous efficacy and a 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 addressable for direct actuation of a common battery system

### MY R. STAHL 6002D



The linear luminaire with Series 6002/4 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 addressable equipment. 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)	1, 2, 21, 22
IECEX gas certificate	IECEx IBE 14.0035
IECEx gas explosion protection	Ex db eb ib op is IIC T4 Gb
IECEx dust certificate	IECEx IBE 14.0035
IECEx dust explosion protection	Ex tb op is IIIC T100 °C Db
ATEX gas certificate	IBExU 14ATEX1088
ATEX gas explosion protection	
ATEX dust certificate	IBExU 14ATEX1088
ATEX dust explosion protection	
Certificates and approvals	ATEX IECEx UKEX
Certificates	ATEX (IBE), IECEx (IBE), India (PESO)
Ship approval	DNV
Declaration of conformity	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data	
Rated operational voltage AC	220 240 V
Rated operational voltage DC	194 250 V
Frequency range	50 – 50Hz
Lighting Data	
Number of lamps	1
Lamp wattage	35 W
Lamp	LED
Light colour	5000 K – neutral white
Light distribution	120°x120° with diffusing glass

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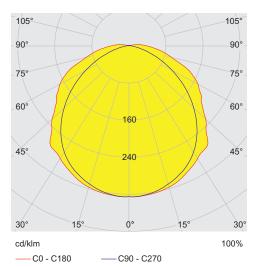
Luminaire efficacy         168 ImW           Luminous flux         5770 Im           Colour rendering         ≥ 80           Colour temperature         5000 K           Ambient Conditions         -30 °C 50 °C Note: Through wiring Max. 3x16 A 3x10 A           Mochanical Data         -30 °C 60 °C Note: Through wiring Max. 3x10 A           Version         Standard           Translucent cover         Clear           IP degree of protection (IEC 60598)         IP66/IP67           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 + L + N * L * L*           Max. solid connection terminals         6 m²           Max. finely stranded connection terminals         6 m²           Mina solid connection cable         Finely stranded           Solid         Silce           4 Width         184 mm           Leigh         1310 mm           Impact strength (IEC 62262)         IK10           Weight         15.21 lb           Disconnection of the luminaire	Lighting Data	
Colour rendering         ≥ 80           Colour temperature         5000 K           Ambient Conditions           Ambient Emperature         -30 °C 50 °C Note: Through wiring Max. 3x16 A -30 °C 60 °C Note: Through wiring 2 Max. 3x10 A           Mechanical Data           Version         Standard           Translucent cover         Clear           IP degree of protection (IEC 60598)         IP66/IP67           Enclosure colour         Light grey (RAL 7035)           Diffuser         With diffuser           Sealing material         Silicone           Silicone         Silicone fee content           Translucent cover material         Polycarbonate           Installed terminal strip         PE + N + L + N * L * *           Max. solid connection terminals         6 mm²           Max. finely stranded connection terminals         6 mm²           Type of connection cable         Finely stranded           Size         4           Width         184 mm           Height         125 mm           Length         1310 mm           Impact strength (IEC 62262)         IK10           Weight         6.9 kg           Weight         15.21 lb           Disconnection of the luminaire <td< td=""><td></td><td>168 lm/W</td></td<>		168 lm/W
Colour temperature 5000 K  Ambient Conditions  Ambient temperature -30 °C 50 °C Note: Through wiring Max. 3x16 A -30 °C 60 °C Note: Through wiring 2 Max. 3x10 A  Mechanical Data  Version Standard  Translucent cover Clear  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 Polyearbonate Installed terminal strip PE + N - + L + + N' + L'  Max. solid connection terminals 6 mm²  Max. finely stranded connection terminals 4 mm²  Type of connection cable Finely stranded Solid  Size 4  Width 184 mm  Height 125 mm  Length 1310 mm  Impact strength (IEC 6262) IX10  Weight 6.9 kg  Weight 15.21 lb  Disconnection of the luminaire No  Components  Threaded plate 2 x S x 3x 30 stainless steel Address module Internal address module  Ballast 6045/312-132-10  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 an accessory  Stopping plugs	Luminous flux	5770 lm
Ambient Conditions  Ambient temperature	Colour rendering	≥ 80
Ambient temperature -30 °C 50 °C Note: Through wiring Max. 3x16 A -30 °C 60 °C Note: Through wiring 2 Max. 3x10 A  Mechanical Data  Version Standard  Translucent cover Clear  IP degree of protection (IEC 60598) IP66/IP67  Enclosure material Polyester resin, Glass fibre reinforced  Enclosure colour Light grey (RAL 7035)  Diffuser With diffuser  Saaling material Silicone  Silicone-free content Contains silicone  Translucent cover material Polycarbonate Installed terminal strip PE + N- + L + + N' + L'  Max. solid connection terminals 6 mm²  Max. finely stranded connection terminals 4 mm²  Type of connection cable Finely stranded Solid  Size 4 4  Width 184 mm  Height 125 mm  Length 1310 mm  Impact strength (IEC 62262) IK10  Weight 6.9 kg  Weight 15.21 lb  Disconnection of the luminaire No  Components  Threaded plate 2x SS430 stainless steel  Address module Internal address module  Ballast 6045/312-132-10  Through wiring Nuss accessories	Colour temperature	5000 K
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Finely stranded Solid  Size 4  Width 184 mm  Height 125 mm  Length 1310 mm  Impact strength (IEC 62262) IK10  Weight 6.9 kg  Weight 15.21 lb  Disconnection of the luminaire No  Components  Threaded plate 2x SS430 stainless steel Address module Internal address module  Ballast 6045/312-132-10  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	Max. solid connection terminals	6 mm²
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Address module  Ballast  6045/312-132-10  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	Components	
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Drilled holes 3 x M20 Cable glands and entries can be ordered as an accessory Stopping plugs Can be ordered as accessories	Ballast	6045/312-132-10
Cable glands and entries can be ordered as an accessory Stopping plugs Can be ordered as accessories	Through wiring	With 5 conductors 2.5 mm²
Stopping plugs Can be ordered as accessories	Drilled holes	3 x M20
	Cable glands and entries	can be ordered as an accessory
Accessories without	Stopping plugs	Can be ordered as accessories
	Accessories	without

## Linear luminaire With LED **GRP**



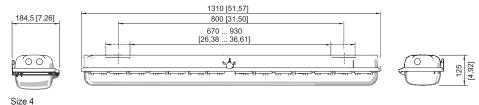
6002/4148-0130-152-2220-22-8500 Art. No. 277241

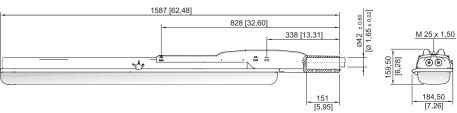
#### **Light Distribution Curves**

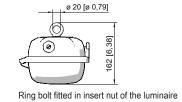


typical with diffusor, clear translucent cover

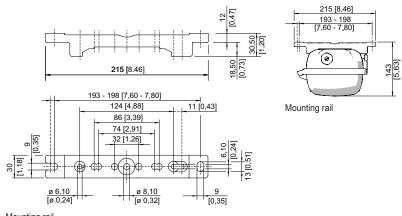
#### Dimensional Drawings (All Dimensions in mm [inches]) - Subject to Alterations











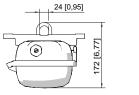
ø 42 [ø 1 1/4] ø 48 [ø 1 1/2] ø 60 [ø 2] 180,50 [1 1/4] 187,50 [1 1/2] 200,50 [2] (e)

Pipe clamp fitted in mounting rail

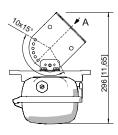
# Linear luminaire With LED

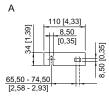


### 6002/4148-0130-152-2220-22-8500 Art. No. 277241



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.
000	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
Ceiling and wall mo	ounting 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
	l .	

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6002/4148-0130-152-2220-22-8500 Art. No. 277241

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

### **Spare Parts**

Cover		Art. No.
	for luminaire size 4	222428
Reflector Plate		Art. No.
	Spare part for 6002 with address module size 4, colour temperature 5000 K	278011

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.