## Linear luminaire With LED GRP



6002/4168-0200-152-1110-11-8400 Art. No. 278348



- 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 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 IHC T100 °C Db
ATEX gas certificate	IBExU 14ATEX1088
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)
Electrical Data	
Rated operational voltage AC	110 240 V
Rated operational voltage DC	110 250 V
Frequency range	50 – 60Hz
Lighting Data	
Number of lamps	1
Lamp wattage	50 W
Lamp	LED
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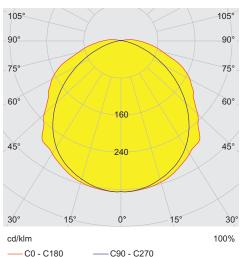
Light colour 4000 K - warm neutral white Light distribution 120°x120° with diffusing glass Luminaire efficacy 139 Im/W Luminous flux 69960 Im Colour rendering 2 80 Colour temperature 4000 K Ambient Conditions Ambient Conditions  Ambient temperature 20°C 50°C Note: Through wiring Max. 3x16 A -20°C 60°C Note: Through wiring 2 Max. 3x10 A  Mechanical Data  Version Standard  Translucent cover Clear IP degree of protection (IEC 60598) IP66 Enclosure material Polyester resin, Glass fibre reinforced Enclosure colour Light grey (RAt. 7035) Diffuser Sealing material Silicone Silicone-free content Contains silicone Translucent cover material Polyesdromate Installed terminal strip PE+N+L1+L2+L3  Max. solid connection terminals 6 mm² Max. finely stranded connection terminals 7 ineps stranded Solid Size 6 Width 184 mm Height 125 mm Length 1610 mm Impact strength (IEC 62262) IK10 Weight 8 kg Weight 17.64 lb Disconnents Threaded plate 2 x plastic	Lighting Data					
Light distribution 120°x120° with diffusing glass  Luminaire efficacy 139 Im/W  Luminous flux 6960 Im  Colour remperature 4000 K  Ambient Conditions  Ambient temperature -20°C50°C Note: Through wiring Max. 3x16 A -20°C50°C Note: Through wiring 2 Max. 3x10 A  Mechanical Data  Version Standard  Translucent cover Clear  IP degree of protection (IEC 60598)  Enclosure material Polyester resin, Glass fibre reinforced  Enclosure colour Light grey (RAL 7035)  Diffuser With diffuser  Silicone-free content Contains silicone  Translucent cover material Polycarbonate  Installed terminal strip PE+N+L1+L2+L3  Max. Solid connection terminals  Max. finely stranded connection terminals  Type of connection cable Finely standed  Solid  Size 6  Width 184 mm  Height 125 mm  Length 1610 mm  Impact strength (IEC 62262) IR10  Weight Weight 17.64 lb  Disconnection of the luminaire No  Components  Threaded plate 2x plastic		4000 K – warm neutral white				
Luminaire efficacy         139 Im/W           Luminous flux         6960 Im           Colour rendering         ≥ 80           Colour temperature         4000 K           Ambient Conditions         — 20 °C 50 °C Note: Through wiring Max. 3x16 A - 20 °C 60 °C Note: Through wiring 2 Max. 3x10 A           Mechanical Data         — 20 °C 60 °C Note: Through wiring 2 Max. 3x10 A           Wersion         Standard           Translucent cover         Clear           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. solid connection terminals         Mm²           Max. finely stranded connection terminals         Mm²           Max. finely stranded connection terminals         Mm²           Size         6           Width         184 mm           Height         125 mm           Impact strength (IEC 62262)         IK1						
Luminous flux 6960 Im  Colour rendering ≥ 80  Colour temperature 4000 K  Ambient Conditions  Ambient temperature						
Colour rendering ≥ 80  Colour temperature 4000 K  Ambient Conditions  Ambient temperature -20 °C 50 °C Note: Through wiring Max. 3x16 A -20 °C 60 °C Note: Through wiring 2 Max. 3x10 A  Mechanical Data  Version Standard  Translucent cover Clear  IP degree of protection (IEC 60598) IP66  Enclosure material Polyester resin, Glass fibre reinforced  Enclosure colour Light grey (RAŁ 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 7 ype of connection cable Finely stranded Solid  Size 6  Width 184 mm  Height 125 mm  Length 1610 mm  Impact strength (IEC 62262) IK10  Weight 8 kg  Weight 17.64 lb  Disconnection tel uminaire No  Components  Threaded plate 2x plastic	<u> </u>					
Colour temperature 4000 K  Ambient Conditions  Ambient temperature	-					
Ambient Conditions  Ambient temperature						
Ambient temperature						
Version Standard  Translucent cover Clear  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. solid connection terminals 6 mm²  Max. finely stranded connection terminals 4 mm²  Type of connection cable Finely stranded Solid  Size 6  Width 184 mm  Height 125 mm  Length 1610 mm  Impact strength (IEC 62262) IK10  Weight 8 kg  Weight 17.64 lb  Disconnection of the luminaire No  Components  Threaded plate 2x plastic						
Translucent cover   Clear    P 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 + L8    Max. solid connection terminals   6 mm²    Type of connection cable   Finely stranded    Solid   Solid    Size   6    Width   184 mm    Height   125 mm    Length   1610 mm    Impact strength (IEC 62262)   IK10    Weight   8 kg    Weight   17.64 lb    Disconnection of the luminaire   No    Components    Threaded plate   2x plastic						
P degree of protection (IEC 60598)   P66	Version	Standard				
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  Type of connection cable Finely stranded Solid  Size 6  Width 184 mm  Height 125 mm  Length 1610 mm  Impact strength (IEC 62262) IK10  Weight 8 kg  Weight 17.64 lb  Disconnection of the luminaire No  Components  Threaded plate 2x plastic	Translucent cover	Clear				
Enclosure colour  Diffuser  With diffuser  Sealing material  Silicone  Silicone-free content  Translucent cover material  Installed terminal strip  Max. solid connection terminals  Max. finely stranded connection terminals  Type of connection cable  Finely stranded  Solid  Size  6  Width  184 mm  Height  125 mm  Length  Inspact strength (IEC 62262)  IK10  Weight  8 kg  Weight  17.64 lb  Disconnection of the luminaire  Lengthe (IEC 6226)  No  Components  Threaded plate  Light (IEC 6276)  With diffuser  Vintal silicone  Contains silicone  Contains silicone  Contains silicone  Silicone  Translucent (PE N + L1 + L2 + L3  Amm  Almm²  Finely stranded  Solid  Size  6  Width  184 mm  Height  125 mm  Length  1610 mm  Impact strength (IEC 62262)  IK10  Weight  No  Components  Threaded plate	IP degree of protection (IEC 60598)	IP66				
Diffuser With diffuser  Sealing material Silicone  Silicone-free content Contains silicone  Translucent cover material Polycarbonate  Installed terminal strip PE + N + L 1 + L 2 + L 3  Max. solid connection terminals 6 mm²  Max. finely stranded connection terminals 4 mm²  Type of connection cable Finely stranded Solid  Size 6  Width 184 mm  Height 125 mm  Length 1610 mm  Impact strength (IEC 62262) IK10  Weight 8 kg  Weight 17.64 lb  Disconnection of the luminaire No  Components  Threaded plate 2x plastic	Enclosure material	Polyester resin, Glass fibre reinforced				
Sealing material  Silicone  Silicone-free content  Contains silicone  Translucent cover material Installed terminal strip  Max. solid connection terminals  Max. finely stranded connection terminals  Finely stranded Solid  Size  Finely stranded Solid  Size  6  Width  184 mm  Height  125 mm  Length  Impact strength (IEC 62262)  IK10  Weight  8 kg  Weight  17.64 lb  Disconnection of the luminaire  No  Components  Threaded plate  Zx plastic	Enclosure colour	Light grey (RAL 7035)				
Silicone-free content  Translucent cover material Installed terminal strip PE + N + L1 + L2 + L8  Max. solid connection terminals Max. finely stranded connection terminals Pinely stranded Solid  Size Finely stranded Solid  Size 6  Width Height 125 mm Length Inpact strength (IEC 62262) IK10 Weight 8 kg Weight 17.64 lb Disconnection of the luminaire No  Components Threaded plate  Zx plastic	Diffuser	With diffuser				
Translucent cover material Installed terminal strip Max. solid connection terminals Max. finely stranded connection terminals Max. finely stranded connection terminals Type of connection cable Finely stranded Solid Size 6 Width 184 mm Height 125 mm Length 1610 mm Impact strength (IEC 62262) IK10 Weight 8 kg Weight 17.64 lb Disconnection of the luminaire No  Components Threaded plate  Polycarbonate PE + N + L1 + L2 + L8  A mm  PB + N + L1 + L2 + L8  A mm  Impact stranded connection terminals  A mm²  Finely stranded Solid  Size  6  Width 184 mm  175 mm  Length 1610 mm Impact strength (IEC 62262) IK10  Weight 2x plastic	Sealing material	Silicone				
Installed terminal strip  Max. solid connection terminals  Max. finely stranded connection terminals  Type of connection cable  Finely stranded Solid  Size  6  Width  184 mm  Height  125 mm  Length  Impact strength (IEC 62262)  IK10  Weight  8 kg  Weight  17.64 lb  Disconnection of the luminaire  No  Components  Threaded plate  PE + N + L1 + L2 + L8  6 mm²  Finely L2 + L8  Finely stranded Solid  Solid  Finely stranded Solid  Finely	Silicone-free content	Contains silicone				
Max. solid connection terminals  Max. finely stranded connection terminals  Type of connection cable  Finely stranded Solid  Size  6  Width  184 mm  Height  Length  Ichnor 1610 mm  Impact strength (IEC 62262)  Weight  8 kg  Weight  Disconnection of the luminaire  No  Components  Threaded plate  2x plastic	Translucent cover material	Polycarbonate				
Max. finely stranded connection terminals 4 mm²  Type of connection cable Finely stranded Solid  Size 6  Width 184 mm  Height 125 mm  Length 1610 mm  Impact strength (IEC 62262) IK10  Weight 8 kg  Weight 17.64 lb  Disconnection of the luminaire No  Components  Threaded plate 2x plastic	Installed terminal strip	PE + N + L1 + L2 + L3				
Type of connection cable         Finely stranded Solid           Size         6           Width         184 mm           Height         125 mm           Length         1610 mm           Impact strength (IEC 62262)         IK10           Weight         8 kg           Weight         17.64 lb           Disconnection of the luminaire         No           Components           Threaded plate         2x plastic	Max. solid connection terminals	6 mm <sup>2</sup>				
Solid	Max. finely stranded connection terminals	4 mm <sup>2</sup>				
Width         184 mm           Height         125 mm           Length         1610 mm           Impact strength (IEC 62262)         IK10           Weight         8 kg           Weight         17.64 lb           Disconnection of the luminaire         No           Components           Threaded plate         2x plastic	Type of connection cable					
Height	Size	6				
Length         1610 mm           Impact strength (IEC 62262)         IK10           Weight         8 kg           Weight         17.64 lb           Disconnection of the luminaire         No           Components           Threaded plate         2x plastic	Width	184 mm				
Impact strength (IEC 62262)         IK10           Weight         8 kg           Weight         17.64 lb           Disconnection of the luminaire         No           Components         Threaded plate         2x plastic	Height	125 mm				
Weight         8 kg           Weight         17.64 lb           Disconnection of the luminaire         No           Components         Threaded plate         2x plastic	Length	1610 mm				
Weight 17.64 lb  Disconnection of the luminaire No  Components  Threaded plate 2x plastic	Impact strength (IEC 62262)	IK10				
Disconnection of the luminaire No  Components  Threaded plate 2x plastic	Weight	8 kg				
Components Threaded plate 2x plastic	Weight	17.64 lb				
Threaded plate 2x plastic	Disconnection of the luminaire	No				
	Components					
Ballast 6045/311-110-10	Threaded plate	2x plastic				
0070/011 110 10	Ballast	6045/311-110-10				
Through wiring With 5 conductors 2.5 mm²	Through wiring	With 5 conductors 2.5 mm²				
Drilled holes 3 x M25	Drilled holes	3 x M25				
Cable glands and entries 2 x M25 Ø 7 17 mm	Cable glands and entries	2 x M25 Ø 7 17 mm				
Material cable gland Polyamide, black	Material cable gland	Polyamide, black				
Stopping plugs 2 x M25 x 1.5	Stopping plugs	2 x M25 x 1.5				
Stopping plug material Polyamide, black	Stopping plug material	Polyamide, black				
Accessories Provided	Accessories	Provided				

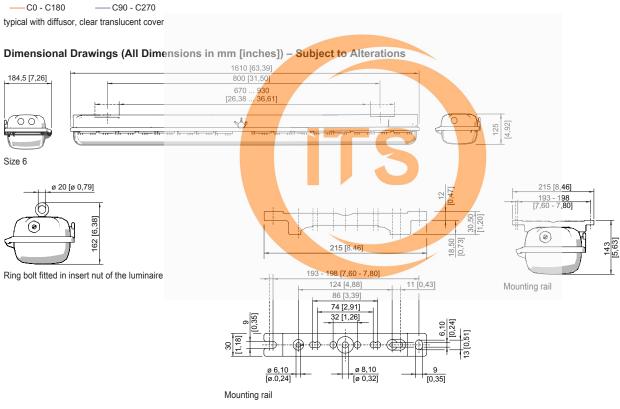
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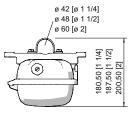


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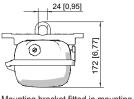
#### **Light Distribution Curves**



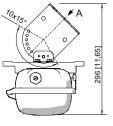


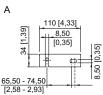


Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail





Wall mounting bracket fitted in mounting rail

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### **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
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.
Richard Co.	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

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Protection agains	Protection against accidental contact	
	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 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.

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