Lighting
Linear luminaire With LED
GRP
6002/4168-0200-152-2220-22-8400   Art. No. 278345

STAHL

- 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	⟨Ex⟩ II 2 G Ex db eb ib op is IIC T4 Gb
ATEX dust certificate	IBExU 14ATEX1088
ATEX dust explosion protection	⟨Ex⟩ II 2 D Ex tb op is IIIC T100 °C Db
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	49 W
Lamp	LED
Light colour	4000 K – warm neutral white
Light distribution	120°x120° with diffusing glass

2025-06-05
V 0.74 EN

R. STAHL Schaltgeräte GmbH | Am Bahnhof 30 | 74638 WALDENBURG
Tel. +49 7942 943 1700 | +49 7942 943 1777 | Email: sales.de@r-stahl.com | r-stahl.com

1/5

Lighting
Linear luminaire With LED
GRP
6002/4168-0200-152-2220-22-8400   Art. No. 278345

STAHL

Lighting Data

Luminaire efficacy	159 lm/W
Luminous flux	7690 lm
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 (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

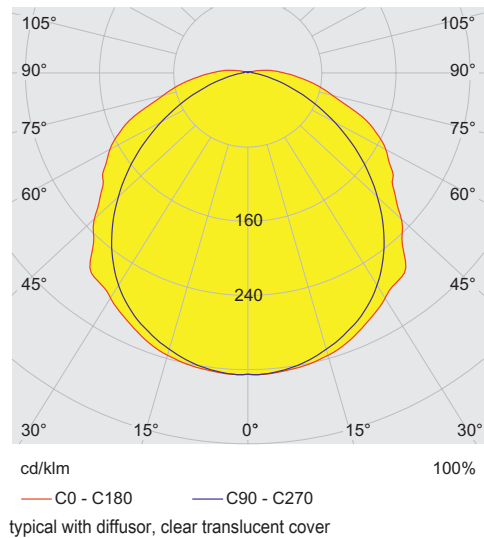|	
Threaded plate	2x SS430 stainless steel
Ballast	6045/311-110-10
Through wiring	With 5 conductors 2.5 mm²
Drilled holes	3 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	Can be ordered as accessories
Accessories	without

2025-06-05
V 0.74 EN

R. STAHL Schaltgeräte GmbH | Am Bahnhof 30 | 74638 WALDENBURG
Tel. +49 7942 943 1700 | +49 7942 943 1777 | Email: sales.de@r-stahl.com | r-stahl.com

2/5

Light Distribution Curves

cd/klm   100%

— C0 - C180   —— C90 - C270

typical with diffusor, clear translucent cover

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

Size 6

Ring bolt fitted in insert nut of the luminaire

Mounting rail

Mounting rail

Mounting rail

Pipe clamp fitted in mounting rail

Mounting bracket fitted in mounting rail

A

Wall mounting bracket fitted in mounting rail
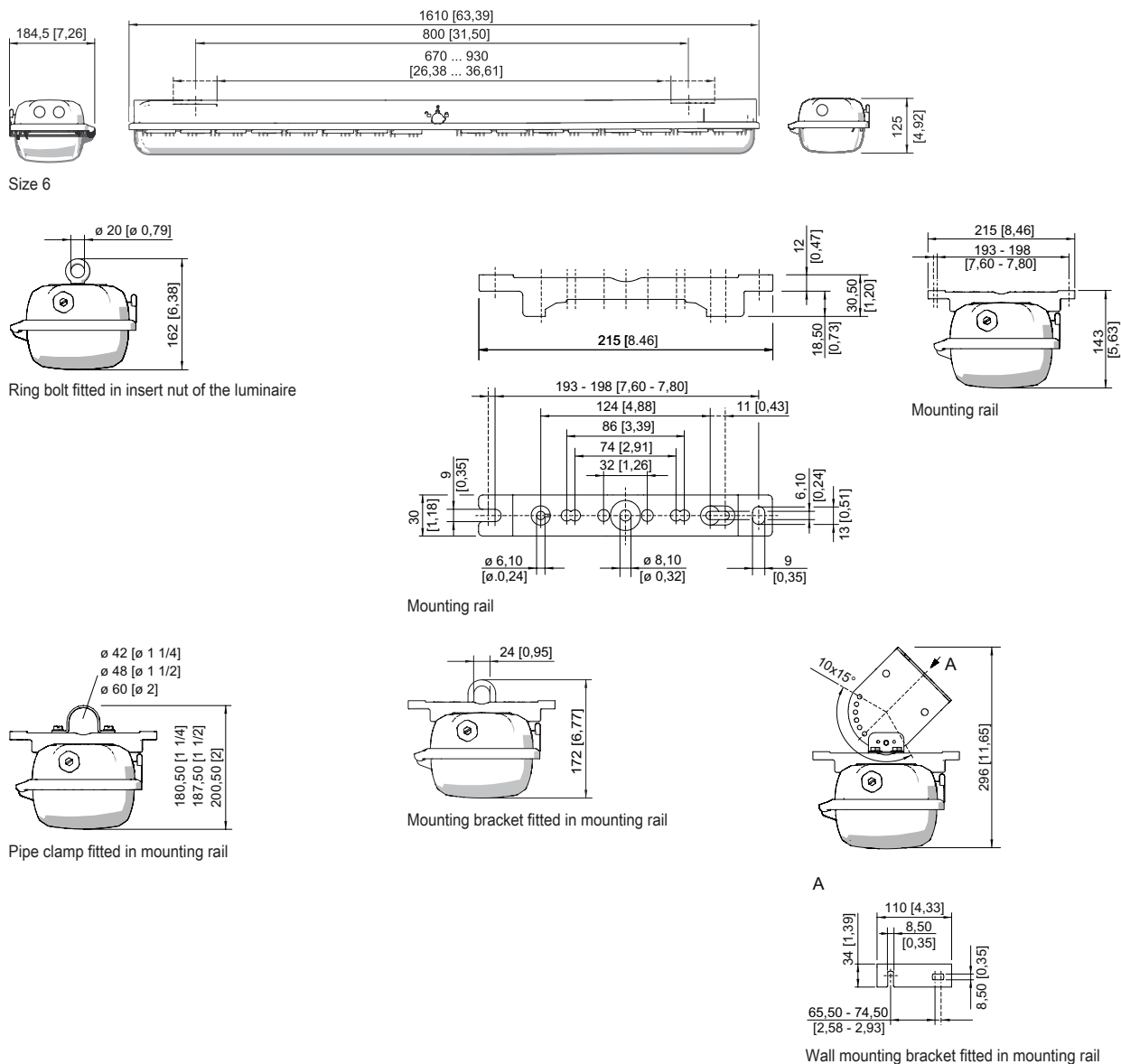
Accessories
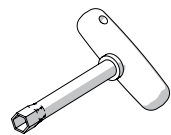
Box spanner		Art. No.
	M8 / A/F 13; For actuating the central lock	222430
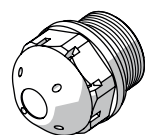
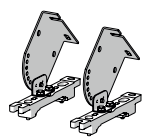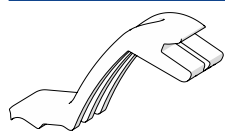| Breather		Art. No.
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608
	M25 x 1.5 in order to avoid condensate formation	115738
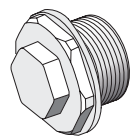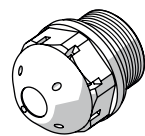
Ceiling and wall mounting bracket		Art. No.
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827

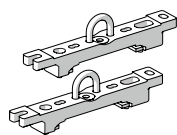| Holder for translucent cover		Art. No.
	The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.	226791

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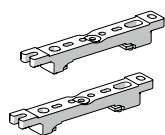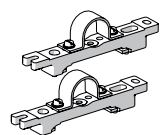
Pipe clamp		Art. No.
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458
	R 2"; with mounting rail for a variable mounting distance; Material: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

2025-06-05
V 0.74 EN

R. STAHL Schaltgeräte GmbH | Am Bahnhof 30 | 74638 WALDENBURG
Tel. +49 7942 943 1700 | +49 7942 943 1777 | Email: sales.de@r-stahl.com | r-stahl.com

4/5
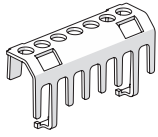
| Protection against accidental contact		Art. No.
	The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.	283153

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

Spare Parts
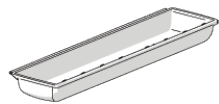
Cover		Art. No.
	for luminaire size 6	222429

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.