

EXLUX linear luminaire with LED

Series 6402/4

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

E2

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.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in			•		•	•

Selection Table

Size			2						
Light distribution			120°x120°						
Lamp wattage			22 W						
Luminous flux			2550 lm						
Luminaire efficacy			116 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Translucent	5000 K – neutral white	No	Without diffuser	3 x M25	2x plastic	6402/4124-6100-152-1110-11-850S	285111	3.15 kg
		5000 K – neutral white	No	Without diffuser	3 x M20	2x SS430 stainless steel	6402/4124-6100-152-2220-22-850S	285113	3.25 kg
Size			2						
Light distribution			120°x120° with diffusing glass						
Lamp wattage			18 W						
Luminous flux			2800 lm						
Luminaire efficacy			152 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
–	Clear	4000 K – warm neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6100-152-1110-11-8400	270200	3.3 kg
with address module	Clear	4000 K – warm neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6120-152-1110-11-8400	276554	3.3 kg
Size			2						
Light distribution			120°x120° with diffusing glass						
Lamp wattage			18 W						
Luminous flux			2890 lm						
Luminaire efficacy			157 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
–	Clear	5000 K – neutral white	Yes	With diffuser	3 x M25	2x plastic	6402/4128-6101-152-1110-11-8500	286875	3.3 kg

Selection Table

Size	2								
Light distribution	120°x120° with diffusing glass								
Lamp wattage	18 W								
Luminous flux	2890 lm								
Luminaire efficacy	157 lm/W								
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
Interfaces DALI	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6110-172-1110-11-8500	270850	3.3 kg
with address module	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6120-152-1110-11-8500	267039	3.3 kg
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4128-6100-152-1110-11-8500	267040	3.2 kg
		5000 K – neutral white	No	With diffuser	3 x M20	2x SS430 stainless steel	6402/4128-6100-152-2220-22-8500	271908	3.3 kg
Size	4								
Light distribution	120°x120°								
Lamp wattage	42 W								
Luminous flux	5100 lm								
Luminaire efficacy	121 lm/W								
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Translucent	5000 K – neutral white	No	Without diffuser	3 x M25	2x plastic	6402/4144-6100-152-1110-11-850S	285112	5.55 kg
		5000 K – neutral white	No	Without diffuser	3 x M20	2x SS430 stainless steel	6402/4144-6100-152-2220-22-850S	285114	5.55 kg
Size	4								
Light distribution	120°x120° with diffusing glass								
Lamp wattage	35 W								
Luminous flux	5400 lm								
Luminaire efficacy	156 lm/W								
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
–	Clear	6500 K – daylight white	No	With diffuser	3 x M25	2x plastic	6402/4148-6100-152-1110-11-8650	272001	5.6 kg
Size	4								
Light distribution	120°x120° with diffusing glass								
Lamp wattage	35 W								
Luminous flux	5600 lm								
Luminaire efficacy	161 lm/W								
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
–	Clear	4000 K – warm neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6100-152-1110-11-8400	270199	5.6 kg
with address module	Clear	4000 K – warm neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6120-152-1110-11-8400	276555	5.6 kg
Size	4								
Light distribution	120°x120° with diffusing glass								
Lamp wattage	35 W								
Luminous flux	5770 lm								
Luminaire efficacy	168 lm/W								
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
–	Clear	5000 K – neutral white	Yes	With diffuser	3 x M25	2x plastic	6402/4148-6101-152-1110-11-8500	286876	5.6 kg
Interfaces DALI	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6110-172-1110-11-8500	271475	5.65 kg
with address module	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6120-152-1110-11-8500	267057	5.6 kg

Selection Table

Size			4						
Light distribution			120°x120° with diffusing glass						
Lamp wattage			35 W						
Luminous flux			5770 lm						
Luminaire efficacy			168 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4148-6100-152-1110-11-8500	267054	3.64 kg
		5000 K – neutral white	No	With diffuser	3 x M20	2x SS430 stainless steel	6402/4148-6100-152-2220-22-8500	267055	5.7 kg
Size			6						
Light distribution			120°x120° with diffusing glass						
Lamp wattage			49 W						
Luminous flux			7690 lm						
Luminaire efficacy			159 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
–	Clear	4000 K – warm neutral white	No	With diffuser	3 x M25	2x plastic	6402/4168-6200-152-1110-11-8400	276352	7 kg
Size			6						
Light distribution			120°x120° with diffusing glass						
Lamp wattage			49 W						
Luminous flux			7920 lm						
Luminaire efficacy			163 lm/W						
Product variant	Translucent cover	Light colour	Disconnection of the luminaire	Diffuser	Drilled holes	Threaded plate	Product Type	Art. No.	Weight
standard	Clear	5000 K – neutral white	No	With diffuser	3 x M25	2x plastic	6402/4168-6200-152-1110-11-8500	276351	7 kg
		5000 K – neutral white	No	With diffuser	3 x M20	2x SS430 stainless steel	6402/4168-6200-152-2220-22-8500	276354	7 kg

Variants with 2 x threaded plate plastic and 3 x drilled holes M25:

Cable glands 2 x M25 Ø 7-17 mm and 2 x stopping plugs M 25 x 1,5 are included loose with the product (installation required). Threaded plate included.

Variants with 2 x threaded plate stainless steel SS430 and 3 x drilled holes M20:

Cable glands and stopping plugs can be ordered as accessories. Threaded plate included.

The light fittings are supplied without mounting material.

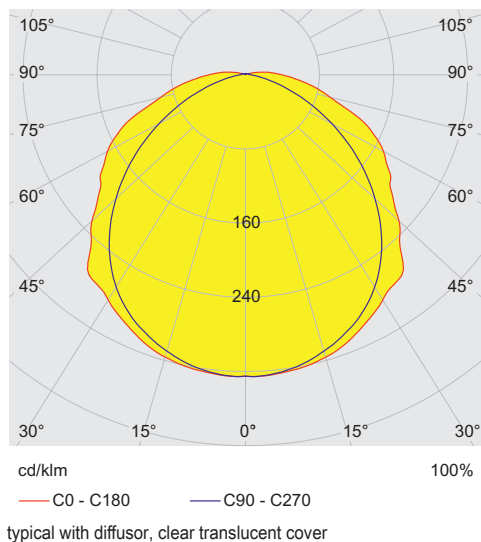
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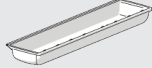

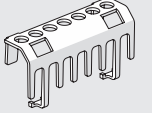

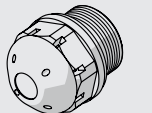
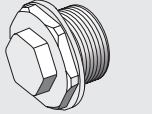
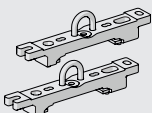
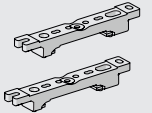

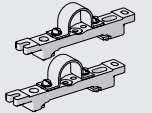
Variant	standard / product variant "–" without disconnection	product variant "–" with disconnection	Interfaces DALI	with address module
Explosion Protection				
IECEx gas explosion protection	Ex ec IIC T4 Gc	Ex db ec IIC T4 Gc	Ex ec IIC T4 Gc	Ex ec nC IIC T4 Gc
IECEx dust explosion protection	Ex tb op is / tc IIIC T100 °C Db	Ex tb op is / tc IIIC T100 °C Db	Ex tb op is / tc IIIC T100 °C Db	Ex tb op is / tc IIIC T100 °C Db
ATEX gas explosion protection	Ex II 3 G Ex ec IIC T4 Gc	Ex II 3 G Ex db ec IIC T4 Gc	Ex II 3 G Ex ec IIC T4 Gc	Ex II 3 G Ex ec nC IIC T4 Gc
ATEX dust explosion protection	Ex II 2 D Ex tb op is / tc IIIC T100 °C Db	Ex II 2 D Ex tb op is / tc IIIC T100 °C Db	Ex II 2 D Ex tb op is / tc IIIC T100 °C Db	Ex II 2 D Ex tb op is / tc IIIC T100 °C Db
Certificates	ATEX (IBE), IECEx (IBE)	ATEX (IBE), IECEx (IBE)	ATEX (IBE), IECEx (IBE)	ATEX (IBE), IECEx (IBE)
Declaration of conformity	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)	ATEX (EUK), Declaration of Conformity (AUS)
Electrical Data				
Rated operational voltage AC	100 ... 240 V	100 ... 240 V	100 ... 240 V	220 ... 230 V
Frequency range	50 – 60Hz	50 – 60Hz	50 – 60Hz	50 – 50Hz
Rated operational voltage DC	110 ... 250 V	110 ... 250 V	110 ... 250 V	194 ... 250 V
Ambient Conditions				
Ambient temperature	-40 °C ... 55 °C (T100 °C) Note: Through wiring Max. 3x16 A -40 °C ... 60 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A	-40 °C ... 55 °C (T100 °C) Note: Through wiring Max. 3x16 A -40 °C ... 60 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A	-40 °C ... 55 °C (T100 °C) Note: Through wiring Max. 3x16 A -40 °C ... 60 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A	-30 °C ... 45 °C (T100 °C) Note: Through wiring Max. 3x16 A -30 °C ... 50 °C (T100 °C) Note: Through wiring 2 Max. 3x10 A

Technical Data

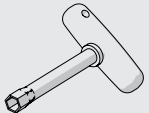
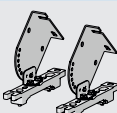
Variant	standard / product variant "- " without disconnection	product variant "- " with disconnection	Interfaces DALI	with address module
Lighting Data				
Number of lamps	1	1	1	1
Lamp	LED	LED	LED	LED
Colour rendering	≥ 80	≥ 80	≥ 80	≥ 80
Colour temperature	5000 K	5000 K	5000 K	5000 K
Mechanical Data				
IP degree of protection (IEC 60598)	IP66/IP67	IP66/IP67	IP66/IP67	IP66/IP67
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Sealing material	Silicone	Silicone	Silicone	Silicone
Max. solid connection terminals	6 mm²	6 mm²	6 mm²	6 mm²
Max. finely stranded connection terminals	4 mm²	4 mm²	4 mm²	4 mm²
Type of connection cable	Finely stranded Solid	Finely stranded Solid	Finely stranded Solid	Finely stranded Solid
Impact strength (IEC 62262)	IK10	IK10	IK10	IK10
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)	Light grey (RAL 7035)	Light grey (RAL 7035)
Notes	Connection terminals: Spring clamp terminal (2 free clamping units per pole)			
Components				
Cable entry material	Polyamide, black	Polyamide, black	Polyamide, black	Polyamide, black
Stopping plug material	Polyamide, black	Polyamide, black	Polyamide, black	Polyamide, black
Address module				UNI Modul ADR 20-ILS-Z2
Ballast	VG Luxtronic 40 W 250 mA	VG Luxtronic 40 W 250 mA	VG Luxtronic 40 W 250 mA	VG Luxtronic 40 W 250 mA
Through wiring	With 5 conductors 2.5 mm²	With 5 conductors 2.5 mm²	With 7 conductors 2.5 mm²	With 5 conductors 2.5 mm²

Light Distribution Curves – Subject to Alterations



Accessories			
Figure	Description	Art. No.	Weight
Cover			
	For size 2 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276669	1 kg
	For size 4 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted	276670	1.2 kg
Pole mounting sleeve			
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512	3.2 kg
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	14 g
Holder for translucent 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	21 g
Breather			
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780	200 g
	M25 x 1.5 in order to avoid condensate formation	115738	17 g
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608	76 g
Mounting bracket			
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456	400 g
Mounting rail			
	for a variable mounting distance; 1 pair	222826	350 g
Ring bolt			
	M8, direct mounting in insert nuts; 1 pair	115736	115 g
Pipe clamp			
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459	700 g
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222458	700 g
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460	750 g

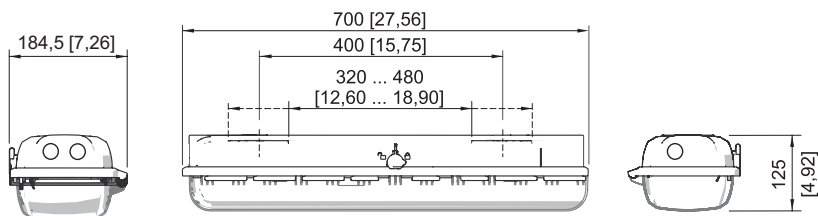
Accessories

Figure	Description	Art. No.	Weight
Box spanner			
	M8 / A/F 13; For actuating the central lock	222430	110 g
Ceiling and wall mounting bracket			
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827	1.2 kg

Spare Parts

Figure	Description	Art. No.	Weight
Contact element			
	8080/1-3-L 2 NC contact element	132527	26 g
Cover			
	for luminaire size 4	222428	1.15 kg
	for luminaire size 6	222429	1.45 kg
	for luminaire size 2	222427	639 g
Reflector Plate			
	Spare part for 6402 or upgrade 6401 size 2, colour temperature 4000 K	272072	1.2 kg
	Spare part for 6402 or upgrade 6401 size 2, colour temperature 5000 K	270816	1.2 kg
	Spare part for 6402 with DALI size 2, colour temperature 5000 K	274973	1.2 kg
	Spare part for 6402 with address module size 2, colour temperature 5000 K	278012	1.2 kg
	Spare part for 6402 or upgrade 6401 size 4, colour temperature 4000 K	272071	2 kg
	Spare part for 6402 or upgrade 6401 size 4, colour temperature 5000 K	270817	2 kg
	Spare part for 6402 or upgrade 6401 size 4, colour temperature 6500 K	272069	2 kg
	Spare part for 6402 with DALI size 4, colour temperature 5000 K	274977	2 kg
	Spare part for 6402 with address module size 4, colour temperature 5000 K	278013	2 kg

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



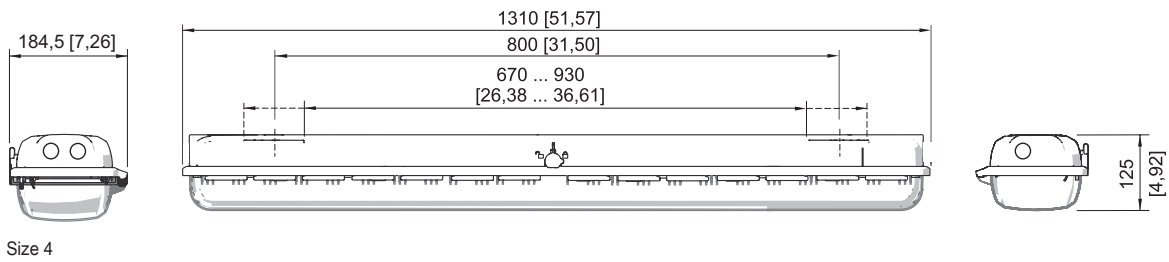
Size 2

EXLUX linear luminaire with LED

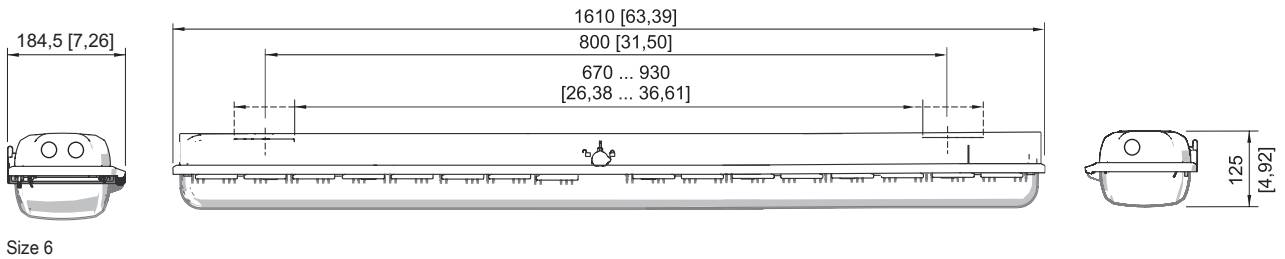
Series 6402/4



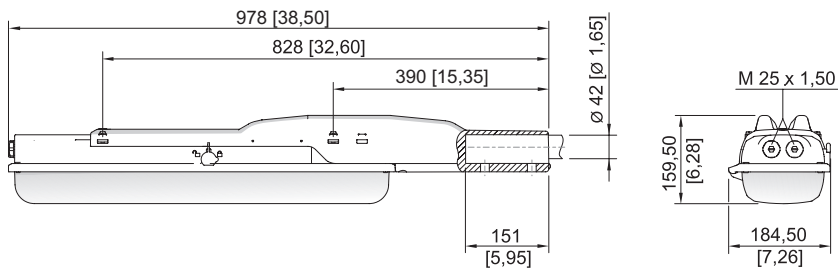
E2



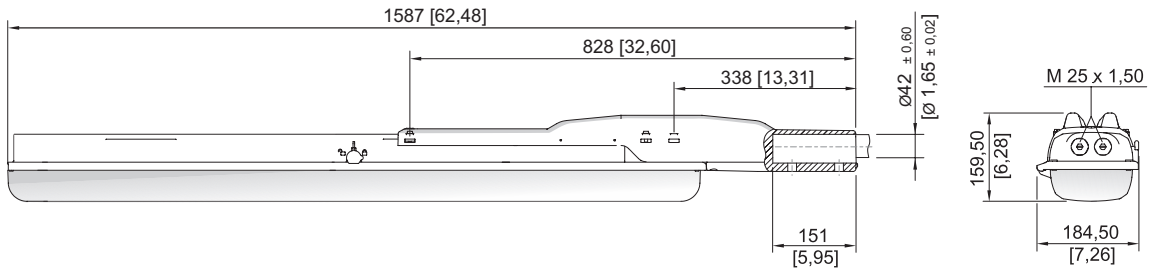
Size 4



Size 6

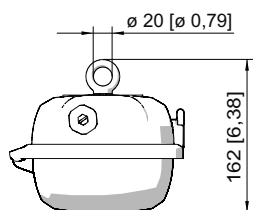


Size 2

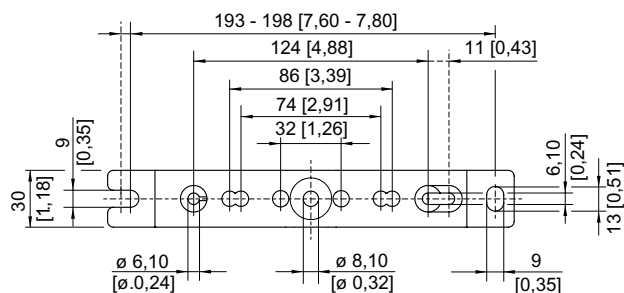
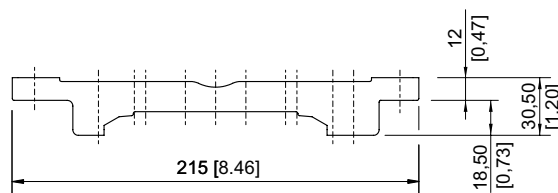


Size 4

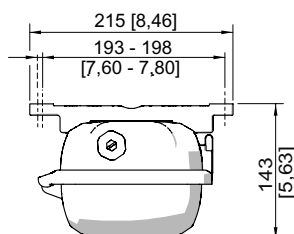
E2



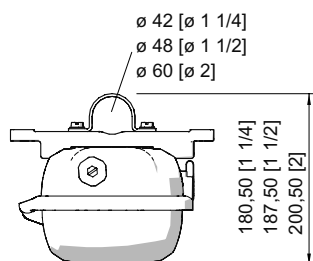
Ring bolt fitted in insert nut of the luminaire



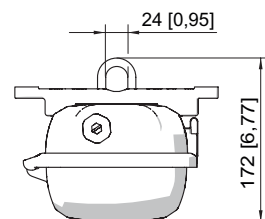
Mounting rail



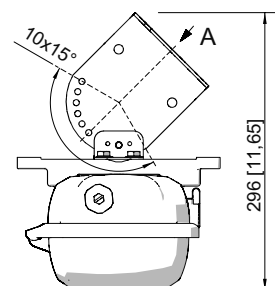
Mounting rail



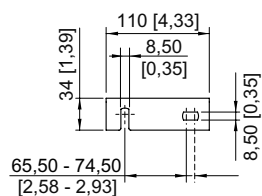
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail