

EXLUX linear luminaire with LED

Series 6402/4



- 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 | 22 W | | | | | | | | |
| Luminous flux | 2910 lm | | | | | | | | |
| Luminaire efficacy | 132 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 |
| | | 5000 K – neutral white | Yes | With diffuser | 3 x M25 | 2x plastic | 6402/4128-6101-152-1110-11-8500 | 286875 | 3.3 kg |
| 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 |
| 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 |

Selection Table

| Size | | 2 | | | | | | | |
|---------------------|-------------------|--------------------------------|--------------------------------|------------------|---------------|--------------------------|---------------------------------|----------|---------|
| Light distribution | | 120°x120° with diffusing glass | | | | | | | |
| Lamp wattage | | 22 W | | | | | | | |
| Luminous flux | | 2910 lm | | | | | | | |
| Luminaire efficacy | | 132 lm/W | | | | | | | |
| Product variant | Translucent cover | Light colour | Disconnection of the luminaire | Diffuser | Drilled holes | Threaded plate | Product Type | Art. No. | Weight |
| 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 |
| | | 5000 K – neutral white | No | With diffuser | 3 x M25 | 2x plastic | 6402/4128-6120-152-1110-11-8500 | 267039 | 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 | | 42 W | | | | | | | |
| Luminous flux | | 5810 lm | | | | | | | |
| Luminaire efficacy | | 138 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 |
| | | 6500 K – daylight white | No | With diffuser | 3 x M25 | 2x plastic | 6402/4148-6100-152-1110-11-8650 | 272001 | 5.6 kg |
| | | 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 |
| 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 |
| 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 |
| | | 5000 K – neutral white | No | With diffuser | 3 x M25 | 2x plastic | 6402/4148-6120-152-1110-11-8500 | 267057 | 5.6 kg |
| Size | | 6 | | | | | | | |
| Light distribution | | 120°x120° with diffusing glass | | | | | | | |
| Lamp wattage | | 50 W | | | | | | | |
| Luminous flux | | 6960 lm | | | | | | | |
| Luminaire efficacy | | 139 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 |
| 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.

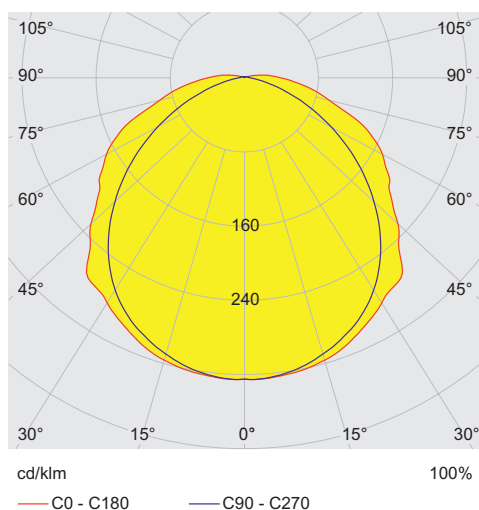
Variants with 2 x threaded plate stainless steel SS430 and 3 x drilled holes M20:

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

The light fittings are supplied without mounting material.

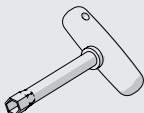
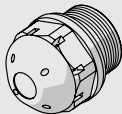
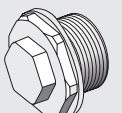
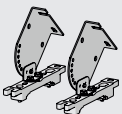


| Technical Data | | | | |
|---|--|--|--|--|
| Variant | standard / product variant "-" without disconnection | product variant "-" with disconnection | Interfaces DALI | with address module |
| Explosion Protection | | | | |
| IECEX gas explosion protection | Ex ec IIC T4 Gc | Ex db ec IIC T4 Gc | Ex 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 | ⊕ II 3 G Ex ec IIC T4 Gc | ⊕ II 3 G Ex db ec IIC T4 Gc | ⊕ II 3 G Ex ec IIC T4 Gc | ⊕ II 3 G Ex ec nC IIC T4 Gc |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb op is / tc IIIC T100 °C Db | ⊕ II 2 D Ex tb op is / tc IIIC T100 °C Db | ⊕ II 2 D Ex tb op is / tc IIIC T100 °C Db | ⊕ 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 |
| 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 mm ² | 6 mm ² | 6 mm ² | 6 mm ² |
| Max. finely stranded connection terminals | 4 mm ² | 4 mm ² | 4 mm ² | 4 mm ² |
| 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 300 mA | VG Luxtronic 40 W 300 mA | VG Luxtronic 40 W 300 mA | VG Luxtronic 40 W 300 mA |
| Through wiring | With 5 conductors 2.5 mm ² | With 5 conductors 2.5 mm ² | With 7 conductors 2.5 mm ² | With 5 conductors 2.5 mm ² |

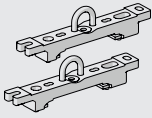
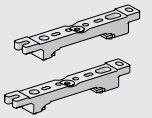
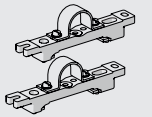

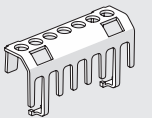

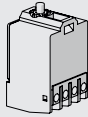

Light Distribution Curves – Subject to Alterations



typical with diffusor, clear translucent cover

Accessories

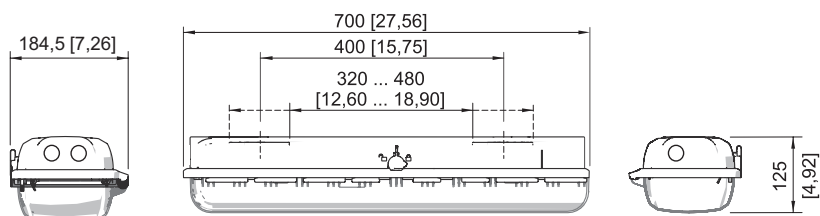
| Figure | Description | Art. No. | Weight |
|---|--|----------|--------|
| Box spanner | | | |
|  | M8 / A/F 13; For actuating the central lock | 222430 | 110 g |
| Breather | | | |
|  | Thread: M25 x 1.5 (20 pieces); without jam nut | 285780 | 200 g |
| | M25 x 1.5 in order to avoid condensate formation | 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 |
| 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 |
| 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 |
| 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 |

| Accessories | | | |
|---|---|----------|---------|
| Figure | Description | Art. No. | Weight |
| 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 |
| 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 |
| 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 |
| Ring bolt | | | |
|  | M8, direct mounting in insert nuts; 1 pair | 115736 | 115 g |
| Spare Parts | | | |
| 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 |

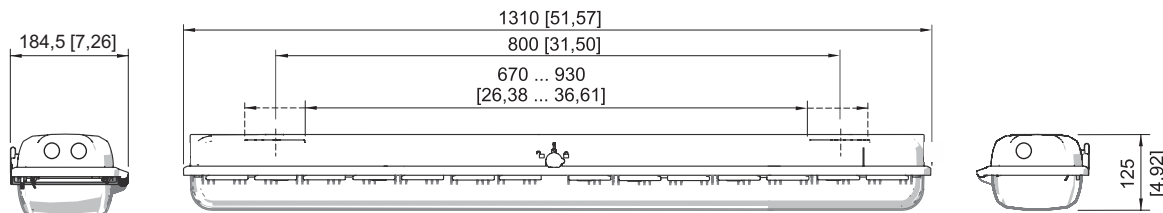
Spare Parts

| Figure | Description | Art. No. | Weight |
|------------------------|---|----------|--------|
| 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 |

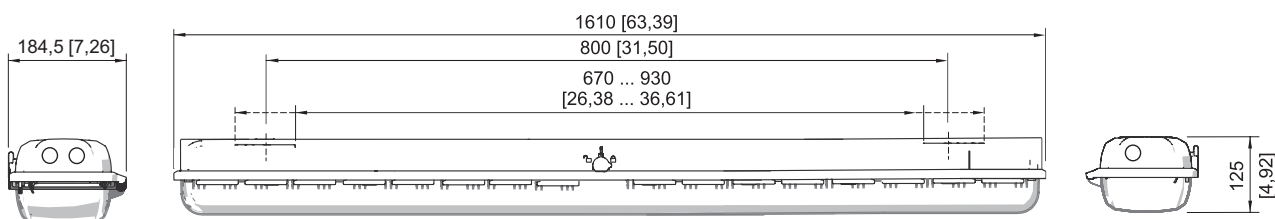
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



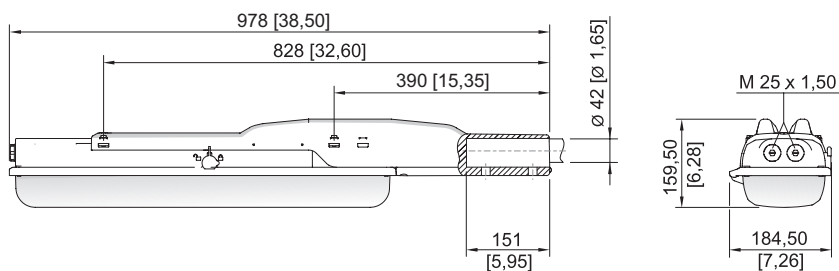
Size 2



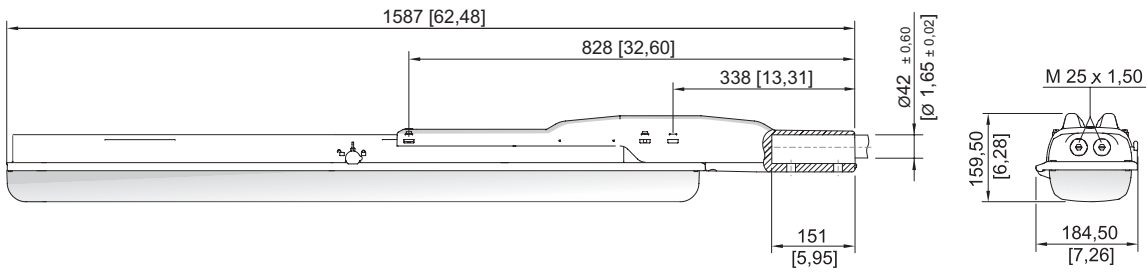
Size 4



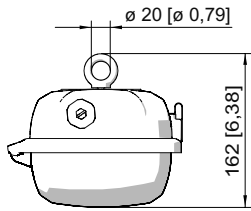
Size 6



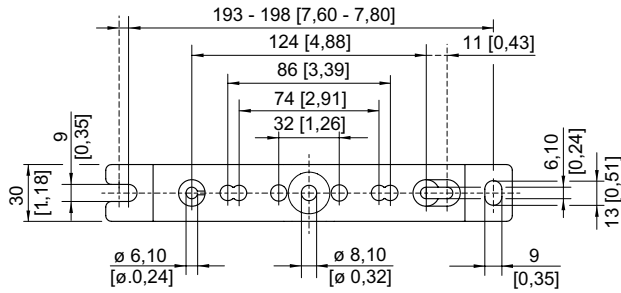
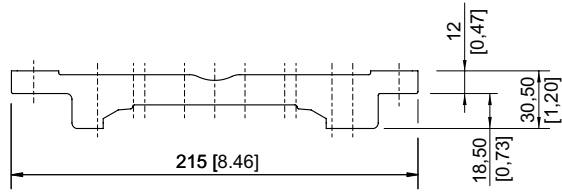
Size 2



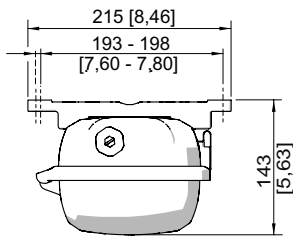
Size 4



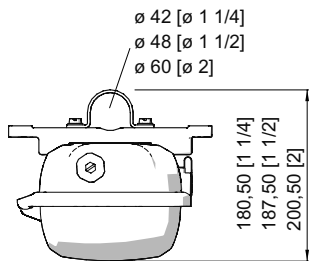
Ring bolt fitted in insert nut of the luminaire



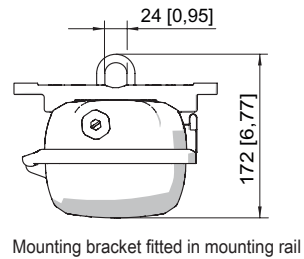
Mounting rail



Mounting rail

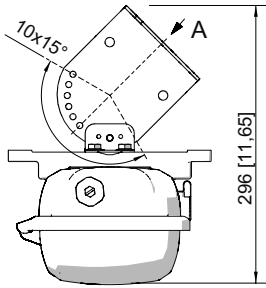


Pipe clamp fitted in mounting rail

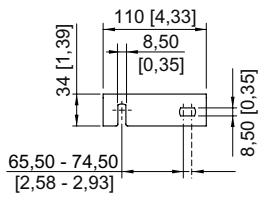


Mounting bracket fitted in mounting rail

E2



A



Wall mounting bracket fitted in mounting rail