

# Lighting

## Linear luminaire With LED

### GRP industrial design

L402/6348-8100-530-1110-11-8400 Art. No. 349641



- Highly resistant industrial design
- Can be used as a humid luminaire and in environments with high mechanical loads
- Linear luminaire with long-life, efficient LED technology (up to 160 lm/W)
- Very lightweight and robust, with an impact strength rating of IK10
- Easy to install and easy to maintain thanks to the central lock

## MY R. STAHL L402B

The ToughLUX L402/6 luminaire is designed for industrial use and can be fitted to the ceiling, a pole, or alternatively, it can be suspended. A bright light for not much energy is what you get with this efficient LED technology, which offers the added benefit of increased service life – this can be as much as 100,000 hours. The plastic enclosure is easily to open by a central lock.

## Technical Data

### Explosion Protection

|                           |                              |
|---------------------------|------------------------------|
| Ex version                | Industrial design            |
| Declaration of conformity | CE declaration of conformity |

### Electrical Data

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| AC rated operational voltage | 220 ... 240 V                                     |
| Control gear service life    | C10 ≥ 100 h, Ta ≤ 40 °C<br>C10 ≥ 50 h, Ta ≤ 50 °C |
| LED service life             | L90B50 ≥ 100 h                                    |

### Lighting Data

|                               |                                |
|-------------------------------|--------------------------------|
| Lamp wattage                  | 35 W                           |
| Lamp                          | LED                            |
| Light colour                  | 4000 K – warm neutral white    |
| Light distribution            | 120°x120° with diffusing glass |
| Luminaire efficacy            | 160 lm/W                       |
| Luminous flux                 | 5600 lm                        |
| Colour rendering              | ≥ 80                           |
| Colour temperature            | 4000 K                         |
| Light source efficiency class | B                              |

### Ambient Conditions

|                     |                  |
|---------------------|------------------|
| Ambient temperature | -20 °C ... 50 °C |
| Ambient temperature | -4 °F ... 122 °F |

### Mechanical Data

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Version                             | Standard                                |
| IP degree of protection (IEC 60598) | IP66/IP67                               |
| Class                               | I (with inner PE connection)            |
| Enclosure material                  | Polyester resin, Glass fibre reinforced |
| Enclosure colour                    | Light grey (RAL 7035)                   |
| Insert nut material                 | Brass                                   |

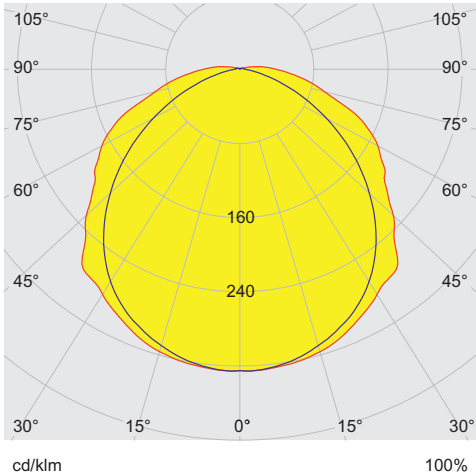
Mechanical Data

|                                           |                          |
|-------------------------------------------|--------------------------|
| Diffuser                                  | With diffuser            |
| Sealing material                          | Silicone                 |
| Silicone-free content                     | Contains silicone        |
| Translucent cover material                | Polycarbonate            |
| Translucent cover                         | Clear                    |
| Installed terminal strip                  | PE + N + L1              |
| Max. solid connection terminals           | 4 mm²                    |
| Max. finely stranded connection terminals | 4 mm²                    |
| Type of connection cable                  | Finely stranded<br>Solid |
| Size                                      | 4                        |
| Width                                     | 184 mm                   |
| Height                                    | 125 mm                   |
| Length                                    | 1310 mm                  |
| Impact strength (IEC 62262)               | IK10                     |
| Disconnection of the luminaire            | No                       |
| Weight                                    | 6 kg                     |
| Weight                                    | 13.23 lb                 |

Components

|                          |                         |
|--------------------------|-------------------------|
| Threaded plate           | 2x plastic              |
| Ballast                  | VG Tridonic 40 W 250 mA |
| Through wiring           | without                 |
| Drilled holes            | 3 x M25                 |
| Cable glands and entries | 1 x M25 Ø 7 ... 17 mm   |
| Stopping plugs           | 2 x M25 x 1.5           |
| Stopping plug material   | Polyamide, black        |
| Accessories              | Provided                |

Light Distribution Curves



typical with diffuser, clear translucent cover

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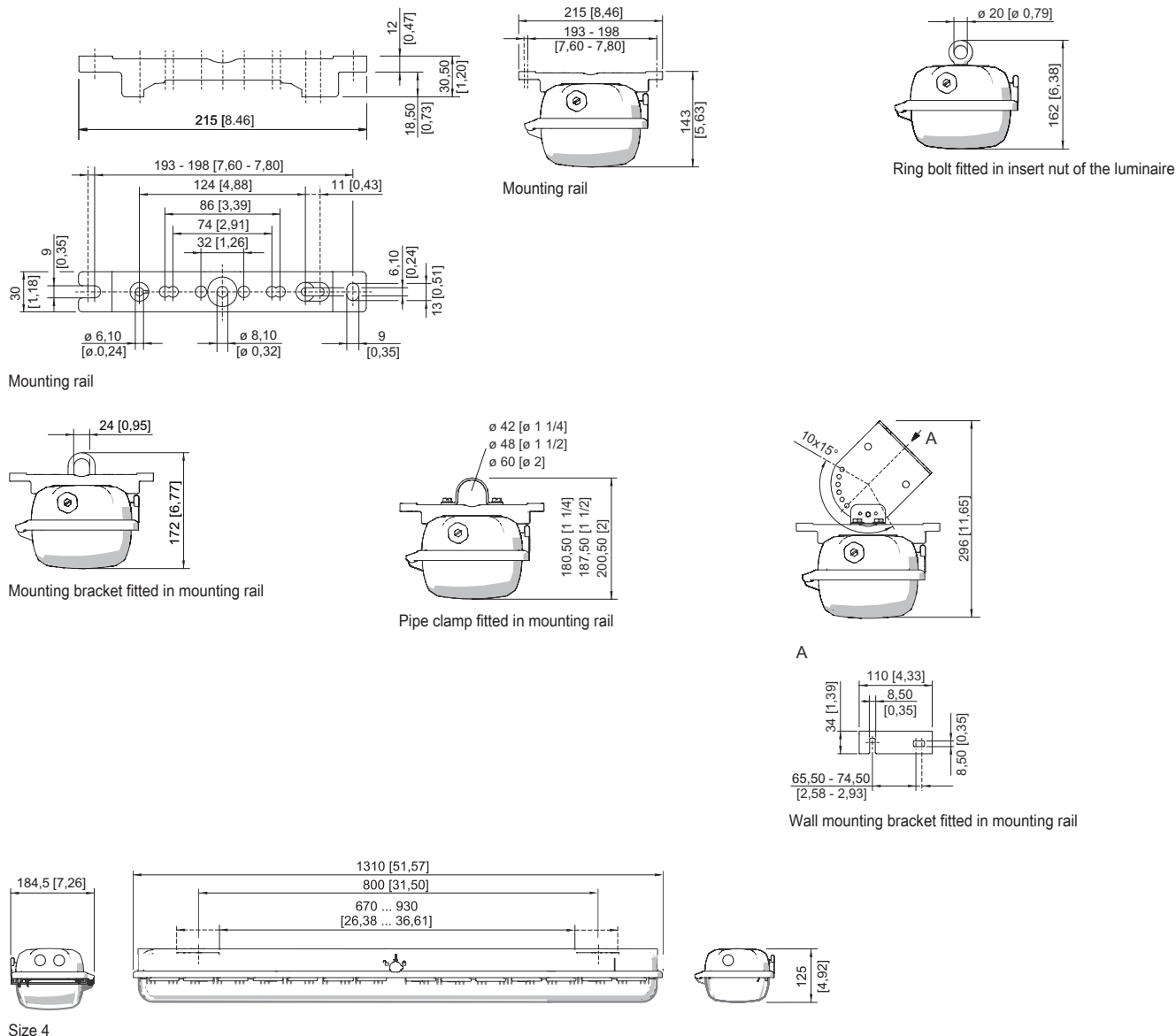
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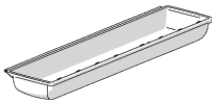
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#### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



## Accessories

| Cover                                                                              |                                                                                                                                                        | Art. No. |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  | 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   |
| 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   |

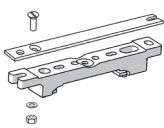
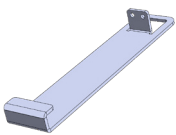
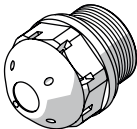
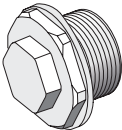
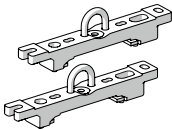
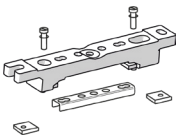
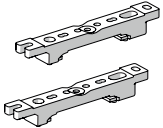
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| Adapter plate for mounting EXLUX 6002 on EXLUX 6000 mounting interfaces            |                                                                                                                                                     | Art. No. |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|    | Adapter plate for installation of EXLUX 6002 luminaires onto EXLUX 6000 interfaces                                                                  | 240653   |
| Fall protection                                                                    |                                                                                                                                                     | Art. No. |
|    | Accessories for mounting an arrester cable                                                                                                          | 295927   |
| 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   |
| Breather                                                                           |                                                                                                                                                     | Art. No. |
|   | Thread: M25 x 1.5 (20 pieces); without jam nut                                                                                                      | 285780   |
|                                                                                    | M25 x 1.5 in order to avoid condensate formation                                                                                                    | 115738   |
|  | Thread: M20 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut                                         | 323702   |
|                                                                                    | Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut                                         | 296608   |
| Mounting bracket                                                                   |                                                                                                                                                     | Art. No. |
|  | mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair                                                                  | 222456   |
| Mounting rail                                                                      |                                                                                                                                                     | Art. No. |
|  | Mounting accessories for ceiling mounting of EXLUX luminaires with V4A metal insert for reinforcement                                               | 325835   |
|                                                                                    | Mounting accessories for ceiling mounting of EXLUX luminaires with V4A metal insert and captive M8 nut                                              | 329336   |
|  | for a variable mounting distance; 1 pair                                                                                                            | 222826   |
| Ring bolt                                                                          |                                                                                                                                                     | Art. No. |
|  | M8, direct mounting in insert nuts; 1 pair                                                                                                          | 115736   |

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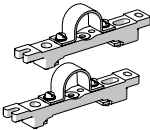
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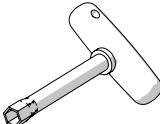
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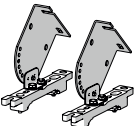
## Pipe clamp

|                                                                                  |                                                                                                  |        |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------|
|  | 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 |

## Box spanner

|                                                                                  |                                                |        |
|----------------------------------------------------------------------------------|------------------------------------------------|--------|
|  | M8 / A/F 13;<br>For actuating the central lock | 222430 |
|----------------------------------------------------------------------------------|------------------------------------------------|--------|

## 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 |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------|

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.