

# Lighting

## Compact light fitting Emergency luminaire

### With battery

6109/111-0101-160-0111-31-A850-001 Art. No. 287814

STAHL



- Suitable for wall, ceiling and suspended mounting
- Operating modes: Continuous mode, continuous mode with switchable emergency lighting
- With function and rated operating time test with optional DALI technology
- Large recognition range  $d \geq 30$  m
- Emergency exit signs with suspended panel so that they can be read from both sides
- Lightweight, robust and compact design

MY R. STAHL 6109A



C-LUX 6109 series compact emergency luminaires can be used for emergency lighting, as well as for indication or escape route luminaires.

## Technical Data

### Explosion Protection

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>IECEX                                      |
| Ex version                      | Yes                                                                 |
| Application range (zones)       | 1, 2, 21, 22                                                        |
| IECEX gas certificate           | IECEX IBE 19.0016                                                   |
| IECEX gas explosion protection  | Ex db eb ib op is IIC T4 Gb                                         |
| IECEX dust certificate          | IECEX IBE 19.0016                                                   |
| IECEX dust explosion protection | Ex tb op is IIIC T100 °C Db                                         |
| ATEX gas certificate            | IBExU 19 ATEX 1072                                                  |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb ib op is IIC T4 Gb                               |
| ATEX dust certificate           | IBExU 19 ATEX 1072                                                  |
| ATEX dust explosion protection  | Ex II 2 D Ex tb op is IIIC T100 °C Db                               |
| Certificates and approvals      | ATEX<br>IECEX<br>UKEX                                               |
| Certificates                    | ATEX (IBE), Brazil (ULB), China (NEPSI), IECEX (IBE), Polen (CNBOP) |
| Ship approval                   | DNVGL                                                               |
| Declaration of conformity       | ATEX (EUK), Declaration of Conformity (AUS)                         |

### Electrical Data

|                           |                                    |
|---------------------------|------------------------------------|
| Battery version           | NiCd battery, gas-tight            |
| Battery operating voltage | 6 V                                |
| Battery capacity          | 2.2 Ah                             |
| Self-test function        | Function and battery duration test |
| Frequency range           | 50 – 60 Hz                         |
| AC operating voltage      | 100 ... 240 V                      |
| Control interface         | without                            |

### Lighting Data

|              |            |
|--------------|------------|
| Lamp         | LED        |
| Light colour | Cool white |

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#### Lighting Data

|                        |                                       |
|------------------------|---------------------------------------|
| Light distribution     | 0...60° (w. deflection opt.)          |
| Luminaire efficacy     | 60 lm/W                               |
| Luminous flux          | 490 lm                                |
| Luminous flux          | 490 lm                                |
| Operating time         | 1.5 / 3h emergency lighting operation |
| Emergency light output | 25% – 3 h<br>50% – 1.5 h              |
| Colour rendering       | ≥ 80                                  |
| Colour temperature     | 5000 K                                |
| Colour temperature     | 5000 K                                |

#### Ambient Conditions

|                     |                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------|
| Ambient temperature | -30°C ... +50°C Note: Through wiring Max. 3x16 A<br>-30°C ... +60°C Note: Through wiring 2 Max. 3x10 A |
|---------------------|--------------------------------------------------------------------------------------------------------|

#### Mechanical Data

|                                           |                                    |
|-------------------------------------------|------------------------------------|
| IP degree of protection (IEC 60598)       | IP66 / IP67                        |
| Class                                     | I                                  |
| Enclosure material                        | Thermoset                          |
| Enclosure colour                          | Light grey (RAL 7035)              |
| Cover material                            | Polycarbonate                      |
| Sealing material                          | Silicone                           |
| Silicone-free content                     | Without influence on paint wetting |
| Installed terminal strip                  | PE + N + L1 + L2 + L3 + L"         |
| Max. solid connection terminals           | 6 mm <sup>2</sup>                  |
| Max. finely stranded connection terminals | 4 mm <sup>2</sup>                  |
| Type of connection cable                  | Finely stranded<br>Solid           |
| Size                                      | 1                                  |
| Width                                     | 185 mm                             |
| Height                                    | 105 mm                             |
| Length                                    | 440 mm                             |
| Impact strength (IEC 62262)               | IK08                               |
| Weight                                    | 3.4 kg                             |
| Weight                                    | 7.5 lb                             |
| Disconnection of the luminaire            | No                                 |

#### Components

|                          |                               |
|--------------------------|-------------------------------|
| Variant                  | With deflection optics 0–60°  |
| Threaded plate           | Plastic                       |
| Ballast                  | 6046/311-841-060 NLE standard |
| Through wiring           | Loop in/loop out              |
| Drilled holes            | 3 x M25                       |
| Cable glands and entries | 2 x M25 Ø 7 ... 17 mm         |
| Stopping plugs           | 2 x M25 x 1.5                 |
| Stopping plug material   | Polyamide, black              |
| Breather                 | without                       |
| Accessories              | Provided                      |

# Lighting

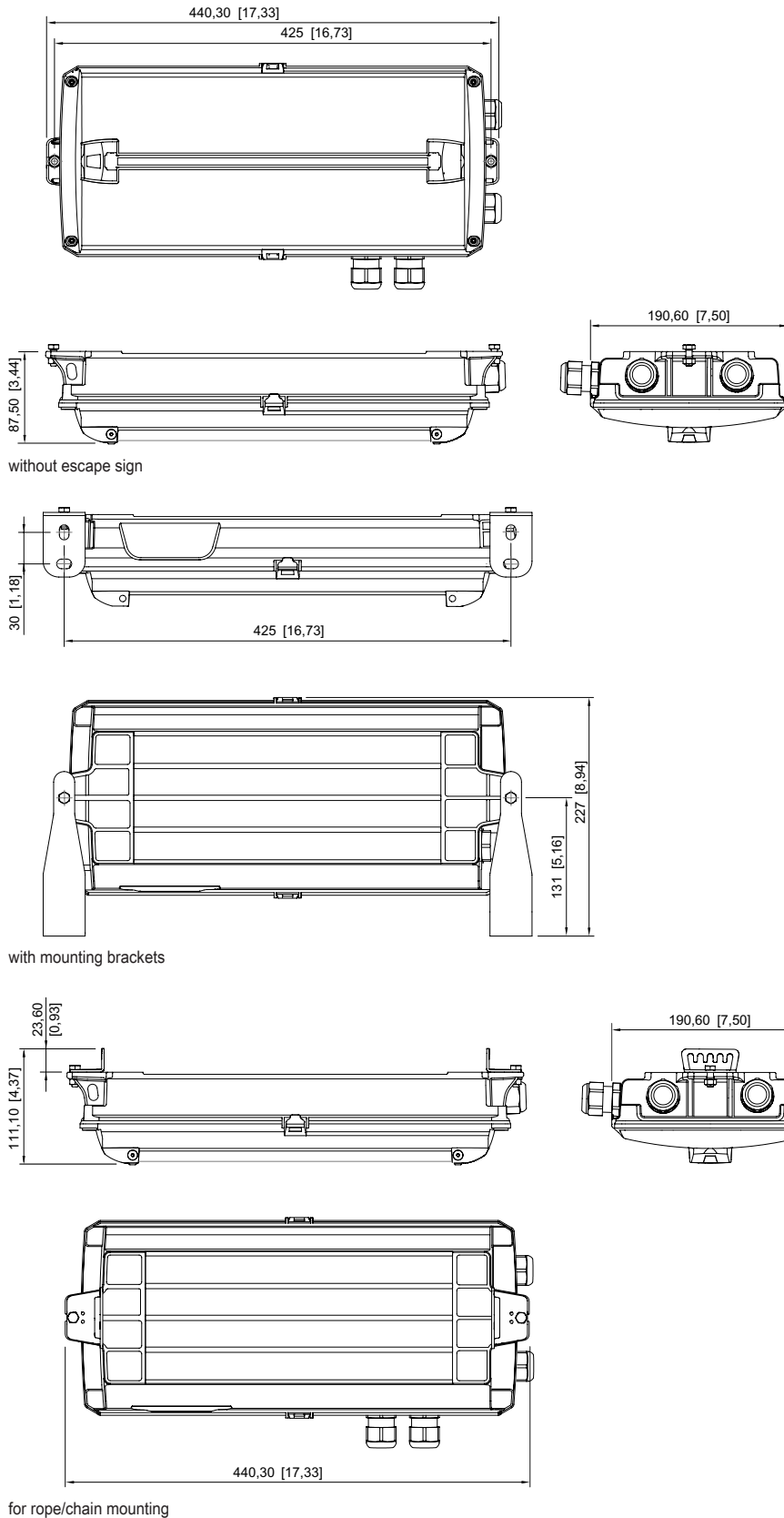
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#### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



## Accessories

## Lighting

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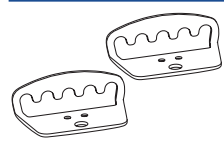
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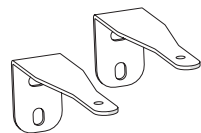
### Fastening set

### Art. No.



for chain/rope assembly

275407



for wall mounting

275408

### Light panel

### Art. No.



Escape route double sided

275872



Escape route, down

274776



Escape route, up

274758



Escape route, down double-sided

274780



Escape route, up double-sided

274772



Escape route, left

274757



Escape route, right

274775



Escape route left/right double-sided

274773



Escape route stairs, down left

274777



Escape route stairs, down right

274778

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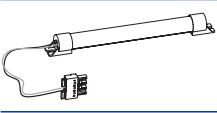
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|                                                                                  |                                        |        |
|----------------------------------------------------------------------------------|----------------------------------------|--------|
|  | Escape route stairs, down double-sided | 274779 |
|  | Escape route stairs, up left           | 274759 |
|  | Escape route stairs, up right          | 274760 |
|  | Escape route stairs, up double-sided   | 274771 |
|  | EXIT                                   | 275514 |

## Spare Parts

| Battery set                                                                        |                                       | Art. No. |
|------------------------------------------------------------------------------------|---------------------------------------|----------|
|  | NiCd battery, gas-tight; 2.2 Ah / 6 V | 273190   |
| Optic                                                                              |                                       | Art. No. |
|  | Diffuser                              | 274756   |
| Diffusing lens                                                                     |                                       | Art. No. |
|  | Deflection optics                     | 274781   |

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.