

# Lighting

## Compact light fitting Emergency luminaire

With battery

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



- 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

Scope of validity	European Union (ATEX) 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 IECEX
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
Operating voltage AC	100 to 240 V $\pm$ 10%
Max operating voltage AC	264 V
Control interface	without

#### Lighting Data

Lamp	LED
Light colour	Cool white
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 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 -30°C ... +60°C Note: Through wiring 2 Max. 3x10 A
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#### 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 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

Version	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 ...
Stopping plugs	2 x M25 x 1.5
Stopping plug material	Polyamide, black

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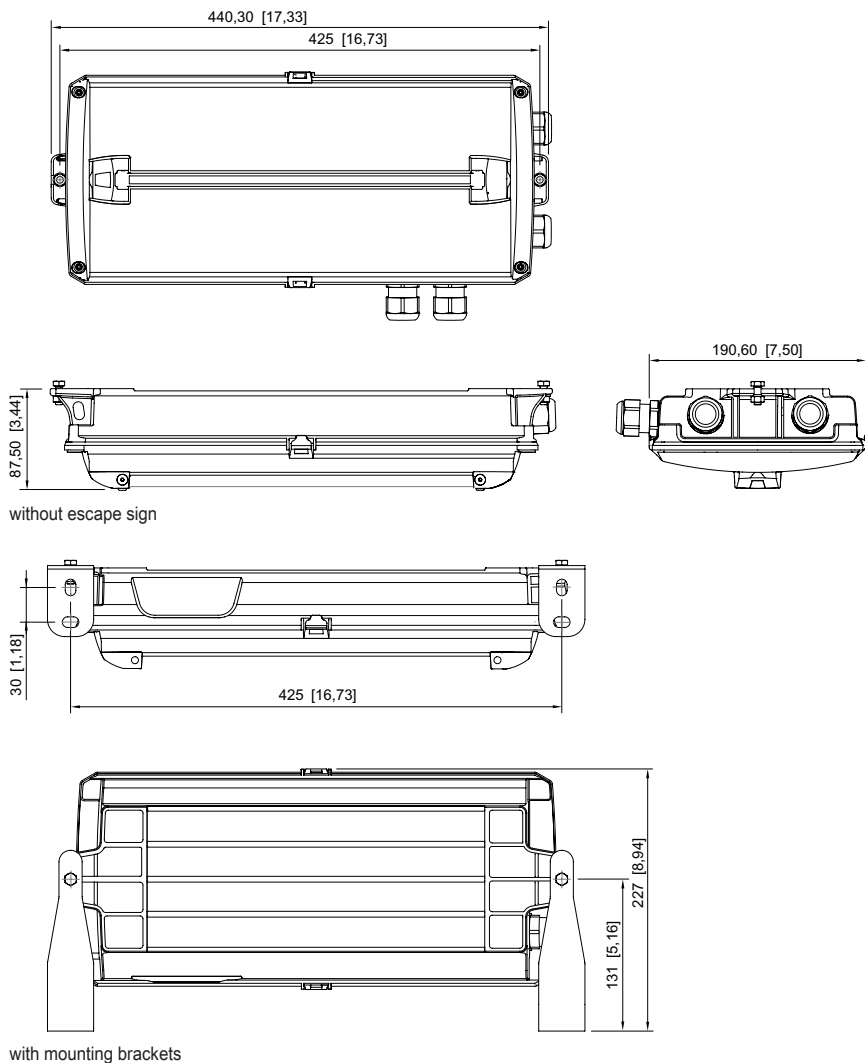
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### Components

Breather	without
Accessories	Provided

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



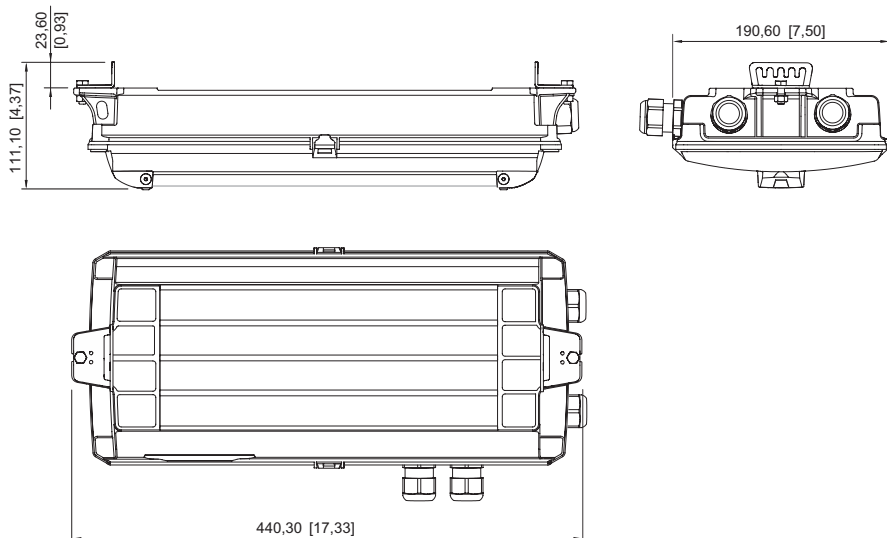
with mounting brackets

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for rope/chain mounting

## Accessories

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

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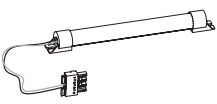


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	Escape route, left	274757
	Escape route, right	274775
	Escape route left/right double-sided	274773
	Escape route stairs, down left	274777
	Escape route stairs, down right	274778
	Escape route stairs, down double-sided	274779
	Escape route stairs, 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
	Deflection optics	274781

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