



- 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

E2

WebCode 6109A



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

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

Selection Table							
Lamp	LED						
Figure	Version	Colour temperature	Luminous flux	Control interface	Product Type	Art. No.	Weight kg
	Escape route downstairs Single-sided	–	–	without	6109/111-0101-160-0111-31-1850-D11	287804	4.000
		–	–	DALI	6109/111-0111-180-0111-31-1850-D11	287820	4.000
	Escape route to the left/right Double-sided	–	–	without	6109/111-0101-160-0111-31-1850-A21	287800	4.000
		–	–	DALI	6109/111-0111-180-0111-31-1850-A21	287817	4.000
	Escape route to the left Single-sided	–	–	without	6109/111-0101-160-0111-31-1850-B11	287801	4.000
		–	–	DALI	6109/111-0111-180-0111-31-1850-B11	287818	4.000
	Escape route to the right Single-sided	–	–	without	6109/111-0101-160-0111-31-1850-A11	287799	4.000
		–	–	DALI	6109/111-0111-180-0111-31-1850-A11	287816	4.000
	Escape route up, single-sided	–	–	without	6109/111-0101-160-0111-31-1850-C11	287802	4.000
		–	–	DALI	6109/111-0111-180-0111-31-1850-C11	287819	4.000
	With deflection optics 0-60°	5000 K	490 lm	without	6109/111-0101-160-0111-31-A850-001	287814	3.400
		5000 K	490 lm	DALI	6109/111-0111-180-0111-31-A850-001	287822	3.400

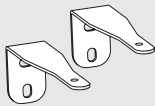
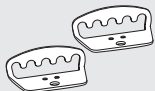
**Selection Table**

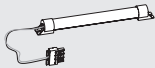







Lamp		LED					
Figure	Version	Colour temperature	Luminous flux	Control interface	Product Type	Art. No.	Weight kg
	With diffuser 2 x 40°	5000 K	600 lm	without	6109/111-0101-160-0111-31-4850-001	287813	3.400
		5000 K	600 lm	DALI	6109/111-0111-180-0111-31-4850-001	287821	3.400
	Without diffuser 15°	5000 K	775 lm	without	6109/111-0101-160-0111-31-0850-001	287798	3.300









**Technical Data**

Variant	Control interface: DALI	Control interface: without
<b>Explosion Protection</b>		
IECEX gas explosion protection	Ex db eb ib op is IIC T4 Gb	Ex db eb ib op is IIC T4 Gb
IECEX dust explosion protection	Ex tb op is IIIC T100 °C Db	Ex tb op is IIIC T100 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex db eb ib op is IIC T4 Gb	Ⓔ II 2 G Ex db eb ib op is IIC T4 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb op is IIIC T100 °C Db	Ⓔ II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (IBE), Brazil (ULB), China (NEPSI), IECEx (IBE)	ATEX (IBE), Brazil (ULB), China (NEPSI), IECEx (IBE)
Ship approval	DNV GL	DNV GL
<b>Electrical Data</b>		
Battery version	NiCd battery, gas-tight	NiCd battery, gas-tight
Battery capacity	2.2 Ah	2.2 Ah
Frequency range	50 – 60 Hz	50 – 60 Hz
Operating voltage AC	100 to 240 V ± 10%	100 to 240 V ± 10%
Max operating voltage AC	264 V	264 V
<b>Ambient Conditions</b>		
Ambient temperature	-30°C ... +50°C Note: Through wiring Max. 3x16 A -30°C ... +60°C Note: Through wiring 2 Max. 3x10 A	-30°C ... +50°C Note: Through wiring Max. 3x16 A -30°C ... +60°C Note: Through wiring 2 Max. 3x10 A
<b>Lighting Data</b>		
Operating time	1.5 / 3h emergency lighting operation	1.5 / 3h emergency lighting operation
Emergency light output	25% – 3 h 50% – 1.5 h	25% – 3 h 50% – 1.5 h
<b>Mechanical Data</b>		
Silicone-free content	Without influence on paint wetting	Without influence on paint wetting
IP degree of protection (IEC 60598)	IP66 / IP67	IP66 / IP67
Class	I	I
Enclosure material	Thermoset	Thermoset
Cover material	Polycarbonate	Polycarbonate
Sealing material	Silicone	Silicone
Installed terminal strip	PE+N+L1+L2+L3+L"+D1+D2	PE + N + L1 + L2 + L3 + L"
Max. solid connection terminals	6 mm <sup>2</sup>	6 mm <sup>2</sup>
Max. finely stranded connection terminals	4 mm <sup>2</sup>	4 mm <sup>2</sup>
Type of connection cable	Finely stranded Solid	Finely stranded Solid
Impact strength (IEC 62262)	IK08	IK08
Enclosure colour	Light grey (RAL 7035)	Light grey (RAL 7035)
Disconnection of the luminaire	No	No
<b>Components</b>		
Threaded plate	Plastic	Plastic
Ballast	6046/311-841-061 NLE DALI	6046/311-841-060 NLE standard

Technical Data		
Variant	Control interface: DALI	Control interface: without
Components		
Through wiring	Loop in/loop out	Loop in/loop out
Drilled holes	3 x M25	3 x M25
Cable glands and entries	2 x M25 Ø 7 – 17 mm	2 x M25 Ø 7 – 17 mm
Stopping plugs	2 x M25 x 1.5	2 x M25 x 1.5
Stopping plug material	Polyamide, black	Polyamide, black
Accessories	Provided	Provided

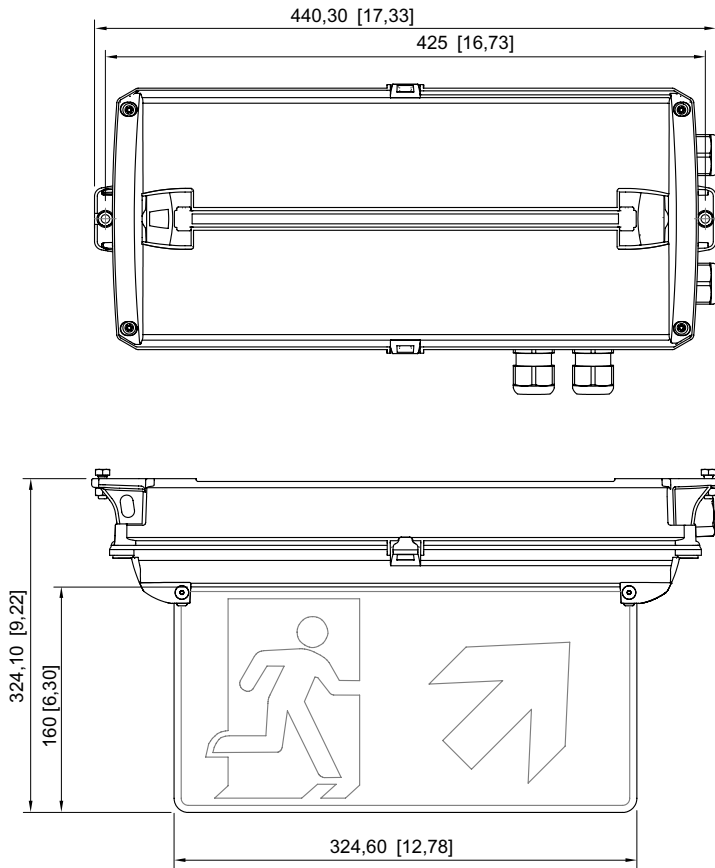
Accessories			
Figure	Description	Art. No.	Weight kg
Fastening set			
	for wall mounting	275408 ▲	0.400
	for chain/rope assembly	275407 ▲	0.100

Spare Parts			
Figure	Description	Art. No.	Weight kg
Battery set			
	NiCd battery, gas-tight; 2.2 Ah / 6 V	273190	0.405
Light panel			
	Escape route, down	274776 ▲	0.625
	Escape route, up	274758 ▲	0.625
	Escape route, down double-sided	274780 ▲	0.625
	Escape route, up double-sided	274772 ▲	0.625
	Escape route, left	274757 ▲	0.625
	Escape route, right	274775 ▲	0.625
	Escape route left/right double-sided	274773 ▲	0.625

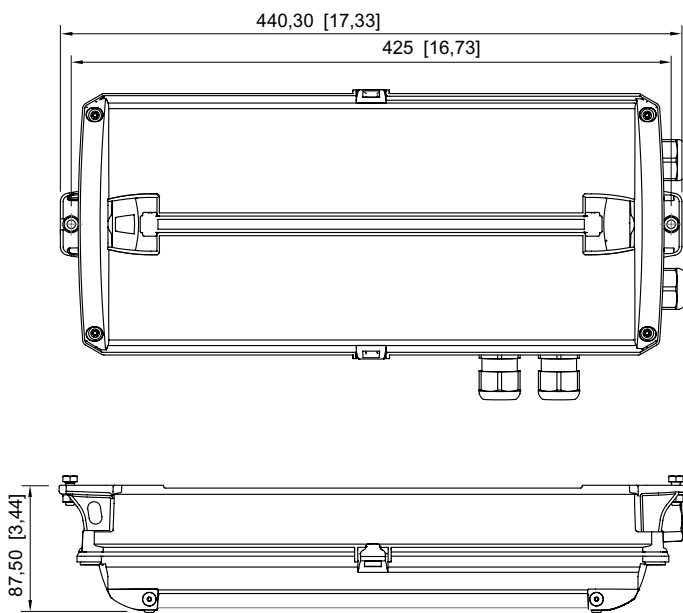
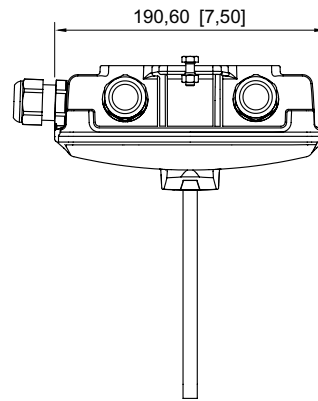
Spare Parts			
Figure	Description	Art. No.	Weight kg
<b>Light panel</b>			
	Escape route stairs, down left	274777	0.625
	Escape route stairs, down right	274778	0.625
	Escape route stairs, down double-sided	274779	0.625
	Escape route stairs, up left	274759	0.625
	Escape route stairs, up right	274760	0.625
	Escape route stairs, up double-sided	274771	0.625
	EXIT	275514	0.625
<b>Optic</b>			
	Diffuser	274756 ▲	0.025
	Deflection optics	274781 ■	0.270

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

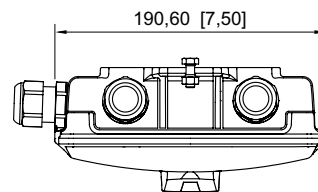
E2



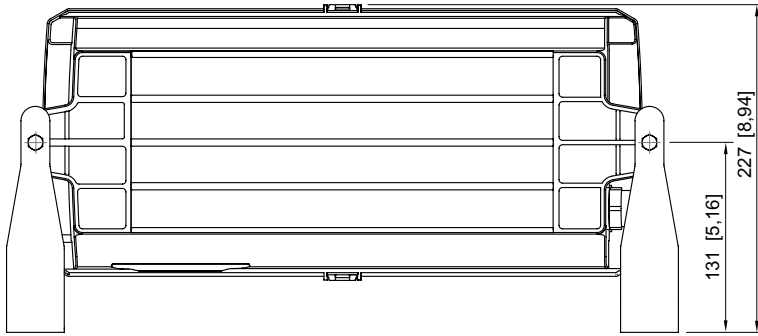
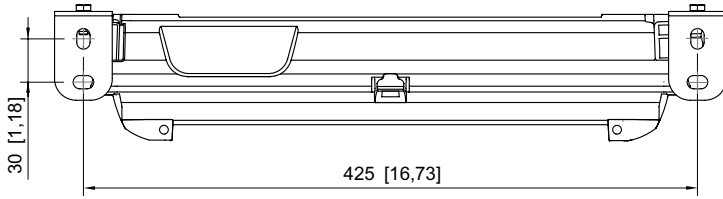
with escape sign



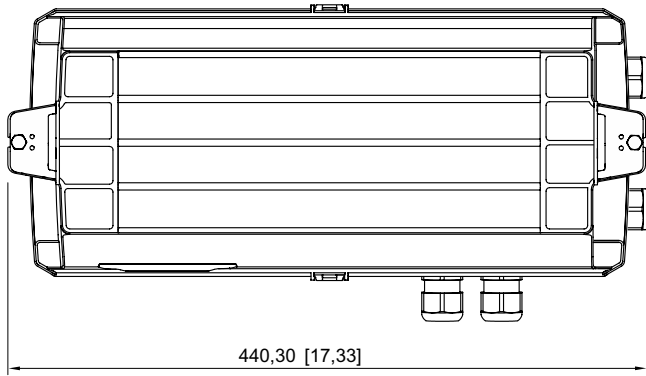
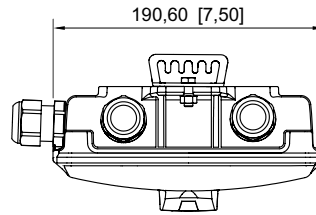
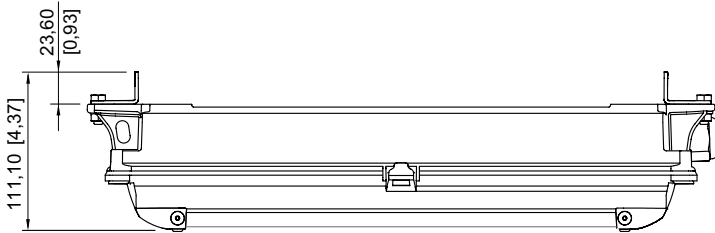
without escape sign



E2



with mounting brackets



for rope/chain mounting