

Series C-LUX 6108 and 6508 compact emergency lighting fitting can be used for safety illumination, but also as information or emergency exit sign lights.

STAHL

## Compact Emergency Light Fittings

**C-LUX 6108 (Zone 1, 21 & 22)**  
**C-LUX 6508 (Zones 2, 22)**

- With electronic ballast and integratal emergency light electronics
- For continuous emergency operation 1.5 h
- Operating modes
  - non-maintained operation
  - non-maintained operation with switchable emergency light blocking
- With self-test functions
- Intelligent charging technique
- With deep discharge protection and charging voltage limitation
- For fluorescent lamps 8 W,  $\varnothing$  16 mm, for two-pin holder G5
- Suitable for wall and ceiling mounting
- Can be fitted to order with emergency exit signs
- Central locking
- All-pole disconnection by N/C switch when cover is opened (Series 6108)
- Housing in polyester resin; cover in polycarbonate

# Zones 1 & 2, 21 & 22

# Compact Emergency Light Fittings

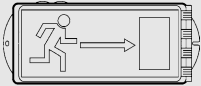
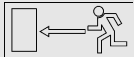
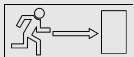
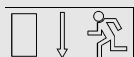




## C-LUX 6108 (Zone 1, 21 & 22)

## C-LUX 6508 (Zones 2, 22)

### Selection table

Version	Lamps	Emergency light duration test	Battery capacity	Emergency light operation time	Ordering code	Weight
			Ah	h		kg
C-LUX 6108 for Zones 1, 21 & 22	1 x 8 W	with	4	1.5	6108/1081-80.7-..	3,500
	1 x 8 W	without	4	1.5	6108/1081-80.8-..	3,500
C-LUX 6508 for Zones 2, 22	1 x 8 W	with	4	1.5	6508/1081-80.7-..	3,500
	1 x 8 W	without	4	1.5	6508/1081-80.8-..	3,500

### Add. to ordering code

Cable entries	Standard: 1 x Cable gland M 25 x 1.5 2 x Plugs M 25 x 1.5	6108/.....1-..	
	Special: Specify non-standard entries in writing	6108/.....9-..	
Emergency exit sign	needed only when used as information lights or escape sign lights; With adhesive symbols positioned as follows:  Mounting position Standard		
	 A		08481E00
	Special please specify other positions in writing		
	<b>Please specify emergency exit sign number (see below)</b>		
	Symbol complying with VGB 125, DIN 4844, DIN 5035; recognition distance e = 30 m; size 150 mm x 355 mm		
	 08483e00	Colours Sign Background	white green  6108/.....-60
	 08482e00	Colours Sign Background	white green  6108/.....-61
	 08484e00	Colours Sign Background	white green  6108/.....-62
	 08485e00	Colours Sign Background	white green  6108/.....-91
	 08485e00	Colours Sign Background	green white  6108/.....-71
	 08485e00	Colours Sign Background	red white  6108/.....-81
	 08486e00	Colours Sign Background	white green  6108/.....-92











## Compact Emergency Light Fittings

### C-LUX 6108 (Zone 1, 21 & 22)

### C-LUX 6508 (Zones 2, 22)

#### Add. to ordering code

Emergency exit sign	 08486e00	Colours	Sign Background	green white	<b>6108 / .....-72</b>
	 08486e00	Colours	Sign Background	red white	<b>6108 / .....-82</b>
	 08487e00	Colours	Sign Background	white green	<b>6108 / .....-90</b>
	 08487e00	Colours	Sign Background	green white	<b>6108 / .....-70</b>
	 08487e00	Colours	Sign Background	red white	<b>6108 / .....-80</b>
	 08488e00	Colours	Sign Background	white green	<b>6108 / .....-93</b>
	 08488e00	Colours	Sign Background	green white	<b>6108 / .....-73</b>
	 08488e00	Colours	Sign Background	red white	<b>6108 / .....-83</b>

Note The light fittings are supplied without tubes and mounting material. These accessories must be ordered separately.

#### Technical Data

Version	6108 (Zones 1, 21, 22)	6508 (Zones 2, 22)
Explosion protection		
Gas explosion protection	⊕ II 2 G EEx edm IIC T4	⊕ II 3 G EEx nA II T4 (Zone 2)
Dust explosion protection	for Zones 21 and 22: ⊕ II 2 D IP 66 T75 °C	for Zone 22: ⊕ II 3 D IP 66 T75 °C
Certificates		
Gas explosion protection	PTB 97 ATEX 2161	ASEV 99.1 10381.01
Dust explosion protection	SEV 05 ATEX 0125	SEV 05 ATEX 0125
Marking	CE 0102	
Lamps	1 x 8 W; two-pin fluorescent lamps, 8 W, 16 mm dia., for G5 holder	
Ballast	Electronic ballast, single channel with integral emergency light electronics	
Rated voltage	AC: 220 V - 10 % ... 254 V + 6 %; 50 Hz / 60 Hz	
Rated current	0.15	
Back-up fuse for battery set	4 A, equipment fuse 8560/51	
Ambient temperature		
Charging	- 5 °C ... +50 °C	
Lighting operation	- 20 °C ... + 50 °C	
Material		
Housing	glass fibre reinforced polyester resin; colour: white, similar to RAL 9010	
Cover	Polycarbonate	
Gaskets	Polyurethane; foamed into cover	



## Compact Emergency Light Fittings C-LUX 6108 (Zone 1, 21 & 22) C-LUX 6508 (Zones 2, 22)

### Technical Data

Operating test	Weekly test of emergency light function; battery and lamp faults are recognized and indicated via red LED.		
Emergency light duration test	Testing of battery capacity at intervals of 3 months; operating of fitting in emergency light mode for 2.3rd of rated operating time. If the fitting is switches off by the discharge protection before time has elapsed. Battery cannot be used longer for emergency operation. Fault is indicated via red LED.		
Function indicators	1 red LED and 1 green LED, incorporated in reflector; can be seen from outside through cover.		
	LED	Indication	
	green	On	Charging current flowing; everything ok
		flashing 1:1	Emergency light duration test running
		flashing 1:10	Automatic function test running
red	On	Rechargeable battery capacity insufficient; battery replacement necessary	
	flashing 1:1	Battery discharged; not operational	
	flashing 1:10	Battery defective	
Battery charging	current-regulated constant current charging, duration 20 h, then changeover to trickle charging.		
Exhaustive discharge protection	at $U_{\text{Batt}} = 1 \text{ V} / \text{cell}$ (3 V); emergency light electronics automatically switches light off (DIN VDE 0108)		
Charging voltage limit	when a battery voltage of 1,55 V / cell (4,65 V) is reached, charging ceases		
Emergency light duration	Battery capacity	4 Ah	
	Emergency light operation time	1.5 h	
Operation	When delivered the light fitting is wired for maintained operation; by removing the bridge between terminals 1 and 2 and connecting external switch F, the fitting is converted to maintained operation with switchable emergency lighting.		
Maintained operation	On failure of supply to general lighting, fitting is supplied from the battery, irrespective of the light switch position.		
Maintained operation with switchable emergency lighting	On failure of power supply to general lighting, fitting switches to emergency lighting operation only if external switch F is closed. To switch emergency lighting centrally to „ready“ or „not ready“, e.g. depending on plant operating times. The external switch has a potential-free NO contact.		
Changeover voltage	from mains to battery operation	at $U < 0.6 \times U_N$	
	from battery to mains operation	at $U > 0.9 \times U_N$	
Lighting power on emergency operation	1.5 h / 70 %		
Battery set			
Type	NICd battery, gas tight, built into light fitting		
Capacity	4 Ah		
Operating voltage	3.6 V		
Charging battery set	When the central lock is opened the battery set is de-energized; it can be removed from the housing by unplugging its removable contact.		
Emergency exit signs			
Use	for information and escape sign fittings		

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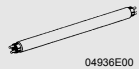
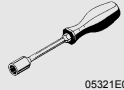
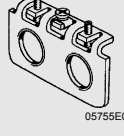
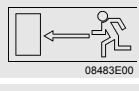
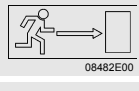
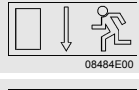




## C-LUX 6108 (Zone 1, 21 & 22)

## C-LUX 6508 (Zones 2, 22)

### Technical Data

Material	Foil, self-adhesive, printed with various pictograms in different colours
Recognition distance	e = 30 m
Mounting	Foil is stuck to cover externally
Options	The various types of adhesive foil which can be supplied are detailed in table "Accessories and Spare parts"

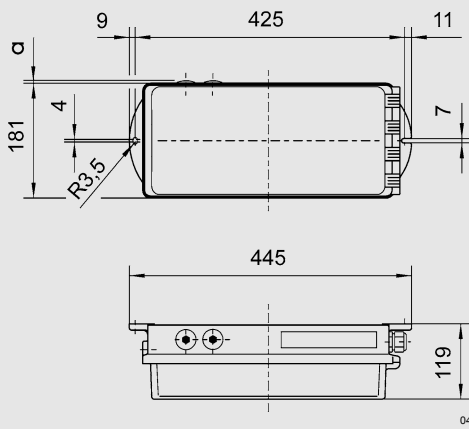
### Accessories and spare parts

Designation	Illustration	Description	Ordering code	Weight kg
Fluorescent lamps		8 W, $\varnothing$ 16 mm, for two-pin G5 holder		
		Colour of light      Light flux	<b>6100801210</b>	0,300
		cool white      450 lm      10 pc		
Socket spanner		M 8 / SW 13; to operate central locking	<b>8198005400</b>	0,126
Adapter plate		for use with metal cable glands which are integrated into the earthing system via the stainless steel adapter plates		
		2 x M 20 x 1.5      1 pc	<b>6000819550</b>	0,060
		2 x M 25 x 1.5      1 pc	<b>6000820550</b>	0,060
Emergency exit sign		white      green      1 pc	<b>5203600</b>	0,010
		white      green      1 pc	<b>5203610</b>	0,010
		white      green      1 pc	<b>5203620</b>	0,010
		white      green      1 pc	<b>5203910</b>	0,010
		green      white      1 pc	<b>5203710</b>	0,010
		red      white      1 pc	<b>5203810</b>	0,010
		white      green      1 pc	<b>5203920</b>	0,010
		green      white      1 pc	<b>5203720</b>	0,010
		red      white      1 pc	<b>5203820</b>	0,010
		white      green      1 pc	<b>5203900</b>	0,010
		green      white      1 pc	<b>5203700</b>	0,010
		red      white      1 pc	<b>5203800</b>	0,010
		white      green      1 pc	<b>5203930</b>	0,010
		green      white      1 pc	<b>5203730</b>	0,010
		red      white      1 pc	<b>5203830</b>	0,010



## Compact Emergency Light Fittings C-LUX 6108 (Zone 1, 21 & 22) C-LUX 6508 (Zones 2, 22)

Dimension drawings (all dimensions in mm) - subject to alterations



Additional dimensions for cable entries 8161 and plugs 8290

	a (mm)
8161 M 25 x 1.5	32
8290 M 25 x 1.5	6



Emergency exit sign

We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.