



01908E00

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.

The STAHL logo consists of the word "STAHL" in white, uppercase letters inside a blue hexagonal shape with a white border.

Compact Emergency Light Fittings

C-LUX 6108

(Zones 1 & 2, 21 & 22)

C-LUX 6508

(Zones 2, 21 & 22)

- Version
 - C-LUX 6108 for Zone 1 and Zone 2, Zone 21 and Zone 22
 - C-LUX 6508 for Zone 2, Zone 21 and Zone 22
- With electronic ballast and integrated emergency light electronics
- Operating modes
 - non-maintained operation
 - non-maintained operation with switchable emergency light blocking
- With continuous operating test
- 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
- Enclosure in polyester resin; cover in polycarbonate

Zones 1 & 2, 21 & 22

Compact Emergency Light Fittings










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

C-LUX 6508 (Zones 2, 21 & 22)

Selection Table

Version	Lamps	Emergency light duration test	Battery capacity Ah	Emergency light operation time h	Order number	Weight kg
C-LUX 6108 for Zones 1 & 2, 21 & 22	1 x 8 W	with	2.5	1.5	6108/1081-8017-74-00	3.700
C-LUX 6508 for Zones 2, 21 & 22	1 x 8 W	with	2.5	1.5	6508/1081-8017-74-00	3.900

Order Number Supplement

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		
	Special please specify other positions in writing		
	Please specify emergency exit sign number (see below)		
	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
	 03018E00	Colours Sign Background	white green 6108/.....-87
	 08485E00	Colours Sign Background	white green 6108/.....-91
	 03206E00	Colours Sign Background	green white 6108/.....-71
	 12617E00	Colours Sign Background	red white 6108/.....-81
	 08486E00	Colours Sign Background	white green 6108/.....-92



Compact Emergency Light Fittings

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

C-LUX 6508 (Zones 2, 21 & 22)

Order Number Supplement

	Colours Sign Background	green white	6108 /-72
09020E00			
	Colours Sign Background	red white	6108 /-82
12618E00			
	Colours Sign Background	white green	6108 /-90
08487E00			
	Colours Sign Background	green white	6108 /-70
03203E00			
	Colours Sign Background	red white	6108 /-80
12616E00			
	Colours Sign Background	white green	6108 /-93
08488E00			
	Colours Sign Background	green white	6108 /-73
12615E00			
	Colours Sign Background	red white	6108 /-83
12619E00			

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

Technical Data

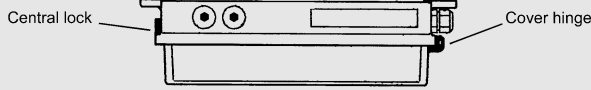
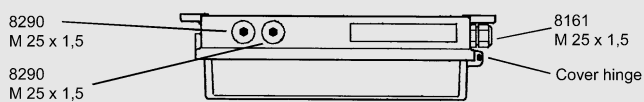
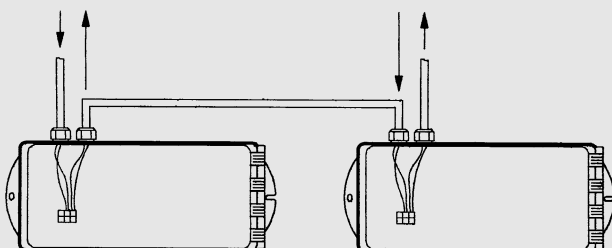
Version	6108 (Zones 1 & 2, 21 & 22)	6508 (Zones 2, 21 & 22)
Explosion protection		
Gas explosion protection	⊕ II 2 G EEx edm IIC T4	⊕ II 3 G Ex nA II T4 (Zone 2)
Dust explosion protection	⊕ II 2 D IP66 T75 °C	⊕ II 2 D IP66 T75 °C
Certificates		
Gas explosion protection	PTB 97 ATEX 2161	ASEV 99.1 10381.01
Dust explosion protection	LCIE 02 ATEX 6239	SEV 05 ATEX 0125
Marking	CE 0102	CE 0102
Lamps	1 x 8 W; two-pin fluorescent lamps, 8 W, Ø 16 mm, for G5 holder	1 x 8 W; two-pin fluorescent lamps, 8 W, Ø 16 mm, for G5 holder
Ballast	Electronic ballast, single channel with integral emergency light electronics	Electronic ballast, single channel with integral emergency light electronics
Nominal voltage	AC: 220 ... 254 V; 50 ... 60 Hz AC: 110 ... 127 V; 50 ... 60 Hz possible on request	AC: 220 ... 254 V; 50 ... 60 Hz AC: 110 ... 127 V; 50 ... 60 Hz possible on request
Rated current	0.15	0.15
Ambient conditions		
Charging	- 5 ... + 50 °C	- 5 ... + 50 °C
Normal mode	- 20 ... + 50 °C	- 20 ... + 50 °C
Material		
Enclosure	glass fibre reinforced polyester resin; colour: white, similar to RAL 9010	
Cover	Polycarbonate	
Seal	Polyurethane; foamed into cover	

Compact Emergency Light Fittings

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

C-LUX 6508 (Zones 2, 21 & 22)



Technical Data		
Version	6108 (Zones 1 & 2, 21 & 22)	6508 (Zones 2, 21 & 22)
Protection class	I (with internal PE connection terminal)	
Type of protection	IP66 / IP67 (IP64 with Breathing gland 8162)	
Cover fixing	Central locking using socket spanner M 8 / SW 13; cover hinged for access	
	 <p style="text-align: right;">08478E02</p>	
Disconnection		
Version	6108 (Zones 1 & 2, 21 & 22)	6508 (Zones 2, 21 & 22)
of light fitting on opening	Central locking device with safety interlock; switch 8080 with N/C contacts; when central lock is opened, voltage to ballast is disconnected on both poles; a safety interlock in switching mechanism prevents fitting from being reconnected while cover and central lock are open.	No switching-off when opening light fitting
Faulty lamp	If lamp is faulty power supply is automatically switched off by electronic ballast	
Connection		
Terminal block	in Polyamide with terminal cover	
Marking	L', L, N, PE	
Terminal size	2 x 4 mm ² for solid cores 2 x 2.5 mm ² for flexible cores	
Light guides	Reflector painted white; Cover with prism structure, providing directed light from the fitting	
Cable entry		
Standard	1 cable entry 8161 in plastic M 25 x 1.5 and 2 plugs 8290 in plastic, M 25 x 1.5 (enclosed)	
Grafik	 <p style="text-align: right;">08479E02</p>	
Special	Other entries in moulded plastic or metal are available to order, details available on request	
Installation notes		
Looping through of cables	2 leads can be connected to each terminal on the input side, making fittings suitable for looped connection.	
	 <p style="text-align: right;">08480E00</p>	
Mounting	Can be wall- or ceiling-mounted	
Operating modes	Mains operation for general lighting or as information lights; Emergency operation: fed from battery-set built into emergency lighting fitting when used for escape route illumination or as emergency exit sign lighting.	
Construction	Incorporated in one housing with electronic ballast unit	
Operating options	Emergency lighting electronics are available: with automatic emergency light duration test; in maintained operation or maintained operation with switchable emergency lighting blocking.	

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

Technical Data				
Version	6108 (Zones 1 & 2, 21 & 22)	6508 (Zones 2, 21 & 22)		
Self-test function	The emergency light fitting is available with self-test function. The built-in self-test functions are activated as soon as light is connected to mains and automatically repeated after pre-set time has elapsed.			
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 6 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 LED red and 1 LED green, incorporated in reflector; can be seen from outside through cover			
	LED	Indication	Function	
	Green	On	Light fitting okay; charging current is supplied	
		Blinking	Light fitting okay; function test or continuous on test is running	
	Red	On	Battery error; not connection to the battery or battery completely discharged	
		Blinking	Battery error; battery has not enough capacity	
		Flashing	1:10	Lamp error; lamp is out of order or lamp is end of life
	Green / Red	Blinking	Emergency light function is jam by external switch	
	Blinking	1 s ON 1 s OFF		
	Flashing	0.25 s ON 1.75 s OFF		
Battery charging	intelligent battery management system, microprocessor-based (on-load time of max. 14 h) deep-discharging protection to the avoidance of cell pol reversal			
Emergency light duration	Battery capacity	2.5 Ah		
	Emergency light operation time	1.5 h		
Operation modes	On delivery light fitting is wired for maintained operation; by removing the jumper between terminals 9 and 10 and connecting external switch F, the fitting is converted to maintained operation with switchable emergency lighting.			
	<p style="text-align: center;">08711E00 08712E00</p>			
Functions 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 operation times. The external switch has a potential-free NO contact. Note: - line wiring max. 30 emergency light fittings for 1 external switch; - point to point wiring 50 emergency light fittings for 1 external switch - length of cable max. 500m with wire 1.5mm[xFFC2][xFFB2]				

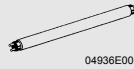

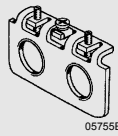








Compact Emergency Light Fittings

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

C-LUX 6508 (Zones 2, 21 & 22)











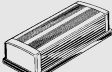
Technical Data	
Version	6108 (Zones 1 & 2, 21 & 22) 6508 (Zones 2, 21 & 22)
Changeover voltage	from mains to battery operation at $U < 0.74 \times U_N$ from battery to mains operation at $U > 0.80 \times U_N$
Light power during emergency light operation	1.5 h / 70 % 3.0 h / 30 %
Battery set	
Type	NiCd battery, gas tight, built into light fitting
Capacity	2.5 Ah
Operating voltage	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
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			Order number	Weight kg
Fluorescent lamps		8 W, \varnothing 16 mm, for two-pin G5 holder			119045	0.415
		Colour of light	Light flux			
		cool white	450 lm	10 pc		
Socket spanner		M 8 / SW 13; to operate central locking			140486	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	115826	0.060
		2 x M 25 x 1.5		1 pc	115828	0.060
Emergency exit sign		white	green	1 pc	113182	0.015
		white	green	1 pc	113183	0.015
		white	green	1 pc	113184	0.015
		white	green	1 pc	113206	0.001
		white	green	1 pc	113210	0.015
		green	white	1 pc	113193	0.015



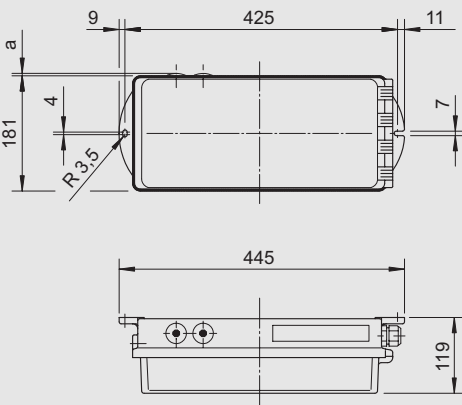
Compact Emergency Light Fittings C-LUX 6108 (Zones 1 & 2, 21 & 22) C-LUX 6508 (Zones 2, 21 & 22)

Accessories and Spare Parts

Designation	Illustration	Description	Order number	Weight kg
Emergency exit sign	 12617E00	red white 1 pc	113200	0.015
	 08486E00	white green 1 pc	113211	0.015
	 09020E00	green white 1 pc	113194	0.015
	 12618E00	red white 1 pc	113201	0.015
	 08487E00	white green 1 pc	113209	0.015
	 03203E00	green white 1 pc	113192	0.015
	 12616E00	red white 1 pc	113199	0.015
	 08488E00	white green 1 pc	113212	0.015
	 12615E00	green white 1 pc	113195	0.015
	 12619E00	red white 1 pc	113202	0.015
Diffuser	 05704E00	for light fitting 8 W	119044	0.250

STAHL


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



04293E00

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



04295E00

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.