

# Emergency Luminaire for Fluorescent Lamps

## Series EXLUX 6009



www.stahl.de



- > As wall, ceiling and pendant light fitting or pole mounted light fitting
- > Version with 2 lamps: 18 W and 36 W
- > Central locking
- > All-pole disconnection via N/C switch when opening light fitting or battery enclosure
- > Weekly functional test
- > Light duration test of the emergency lighting once a year

E2



16126E00

The lights of the Series **EXLUX 6009** can be used as emergency lighting

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

**WebCode 6009A**

# Emergency Luminaire for Fluorescent Lamps

## Series EXLUX 6009

### Selection Table

Version	Lamps W	Battery	Lighting hours	Order number	Weight kg
Standard luminaire Series 6009	2 x 18	7 Ah	1.5 / 3 h (emergency light)	<b>6009/522-9617-1611-71</b>	7.600
	2 x 36	7 Ah	1.5 / 3 h (emergency light)	<b>6009/542-9617-1611-71</b>	9.650

### Order Number Supplement

Through wiring	without	<b>6.09/...-0.....</b>
	with 6 conductors	<b>6.09/...-6.....</b>
ECG	220 ... 240 V	<b>6.09/...-7.....</b>
	110 ... 127 V	<b>6.09/...-6.....</b>
Connection terminal	Cage clamp terminal type WAGO 0.5 ... 4 mm <sup>2</sup>	<b>6.09/...-1.....</b>
	Screw-type terminal type STAHL 1.5 ... 6 mm <sup>2</sup>	<b>6.09/...-2.....</b>
Cable glands	Standard 2 x M25 x 1.5 cable gland and 1 x M25 x 1.5 stopping plugs	<b>6.09/...-1...-</b>
	Special 2 x M20 x 1,5 cable gland and 1 x M20 x 1,5 stopping plug	<b>6.09/...-2...-</b>
Emergency duration test	with	<b>6.09/...-7.</b>
	without	<b>6.09/...-8.</b>

#### Note

The lights are delivered without fluorescent lamps and assembly parts.  
These parts must be ordered separately!

### Explosion Protection

#### Global (IECEX)

Gas and dust

Ex d e mb IIC T4 Gb or Ex db eb mb IIC T4  
Ex tb IIIC T80 °C Db or Ex tb IIIC T80 °C

#### Europe (ATEX)

Gas and dust

⊕ II 2 G Ex d e mb IIC T4 Gb or Ex db eb mb IIC T4  
⊕ II 2 D Ex tb IIIC T80°C Db or Ex tb IIIC T80 °C

### Certifications and certificates

Certificates

IECEX, ATEX

### Technical Data

#### Electrical data

Rated voltage

Standard:  
• 220 ... 240 V ± 10%, 50 / 60 Hz (Lamps acc. IEC60081)  
Optional:  
• 110 ... 127 V ± 10%, 50 / 60 Hz (Lamps acc. IEC60081)  
• 120V ± 10%, 50 / 60 Hz (Lamps acc. ANSI IEC C78.81)

Rated insulation voltage

320 V

Disconnection of the light

#### When opening the light

Switch with safety lock; when opening the central lock, all poles of the voltage supply to the ballast are disconnected; contacts of the switching element are NC contacts, they can only be switched on again when the lamp cover and the central locking system are closed.

**In case of a lamp fault**, the electronic ballast disconnects the defective lamp from the power supply.

# Emergency Luminaire for Fluorescent Lamps

## Series EXLUX 6009



### Technical Data

#### Luminous characteristics

Lamps	2x 18 W; 2x 36 W (acc. to IEC60081) 2x 17W; 2x 32W (acc. to ANSI IEC C78.81)
Measures for light guidance	<b>Standard:</b> wide beam, internal reflector of the light fittings is painted in white colour. Colour: signal white RAL 9003; lateral glare reduction in the luminaire trough.

#### Ambient conditions

Ambient temperature	- 30 ... + 50 °C
	- 20 ... + 50 °C with Breathing Glands 8162
	- 5 ... + 40 °C operationable

#### Mechanical data

Degree of protection	IP66 / IP67 (IP64 when using the breather 8162) IEC 60598
Protection class	I (with internal PE connection)
Material	
Enclosure	
Enclosure	Polyester resin, glass fibre-reinforced
Colour	colour grey, similar to RAL 7035
Translucent cover	Polycarbonate
Gasket	Silicone foam gasket in the lamp cover
Luminaire locking	Central locking which can be opened/closed using a socket key M8 / wrench size 13, hinged lamp cover

#### Mounting / Installation

Cable glands	<p><b>Standard luminaire</b></p> <p>Plastic: 2 x M25 x 1.5 cable entries 8161 and 2 x M25 x 1.5 stopping plugs 8290 (enclosed)</p> <p>Metal: 2 x metal plates M20 x 1.5 connected by means of PE for metal cable entries Attention: cable entries must be ordered separately</p> <p>Special: max. 4 drilled holes for M20, M25, NPSM ½" max. 2 drilled holes for NPT ¾"</p> <p>Metal cable glands: M20 x 1.5, M25 x 1.5; earthing of the metal cable entries by means of metal plates</p>
Connection	<p><b>Standard:</b> Spring clamp terminals 6-pole: L1, L2, L3, L', N, PE Clamping range: 1 x 0.75 ... 4 mm<sup>2</sup> (solid / finely stranded) (2 free clamping units per pole available)</p> <p><b>Special:</b> Terminal block with covering 6-pole: L1, L2, L3, L', N, PE Clamping range: 2 x 1.5 ... 6 mm<sup>2</sup> (solid); 2 x 1.5 ... 4 mm<sup>2</sup> (finely and extra finely stranded)</p>
Through wiring	<p>Through wiring <b>Standard luminaire</b> luminaires are equipped with internal through wiring. Ingoing and outgoing leads can be connected to the opposite sides. Terminals: see techn. data Wiring cross section: 2.5 mm<sup>2</sup> for max. 16 A.</p> <p>without <b>Optional</b> On the connection side, there are 2 bores M25 x 1.5 for cable entries for ingoing and outgoing wiring of the connection line (ingoing and outgoing leads on one side).</p>
Assembly	<p>For outdoor mounting a breather is recommended</p> <p><b>Standard luminaire</b></p> <p>Standard: 2 x M8 insert nuts in the enclosure</p> <p>Special: Mounting grooves in the enclosure for use of fastening and ceiling rails for variable luminaire mounting (variable mounting distances for luminaires 17 W, 18 W: 320 ... 480 mm, 32 W, 36 W: 670 ... 930 mm)</p>

E2

# Emergency Luminaire for Fluorescent Lamps

## Series EXLUX 6009

### Technical Data


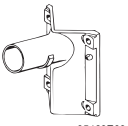
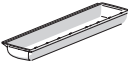
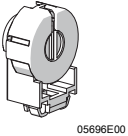
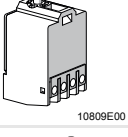

#### Emergency light electronics

Emergency light mode	In the emergency light mode, only one lamp is used, which results in reduced light output		
Emergency light service time	Battery capacity	Emergency light service time	Emergency lighting power
	7 Ah	1.5 h	17 W; 18 W 32 W; 36 W
		3.0 h	100 % 60 %
Switchover voltage	from mains to battery operation for $U < 0.74 \times U_N$ from battery to mains operation for $U > 0.80 \times U_N$		

#### Battery set

Version	Gas-tight NiCd battery
Operating voltage	6 V
Capacity	7 Ah
Replacing the battery set	When opening the battery enclosure, the connection between the battery set and the emergency light electronics is disconnected. The battery set can be replaced after disconnecting the plug-in contacts.

### Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg	
Fluorescent lamps	 04936E00	18 W    1350 lm	<b>108952</b>	0.100	
		36 W    3350 lm	<b>108951</b>	0.200	
		Two-pin cap $\varnothing$ 26 mm Light colour: universal white Pins made of brass			
Bracket for wall mounting with tube	 05460E00	for side entry lamp; with tube, length 400 mm, $\varnothing$ 42 mm	<b>108947</b>	2.480	
Lamp cover		for luminaire L=700	<b>222427</b>	0.639	
		for luminaire L=1310	<b>222428</b>	1.149	
		for luminaire L=700 (resistant to aromatic substances)	<b>256534</b>	0.639	
		for luminaire L=1310 (resistant to aromatic substances)	<b>256535</b>	1.149	
Lamp-holder	 05696E00	Lamp holder G13	1 piece	<b>117252</b>	0.036
Switch	 10809E00	Switching element 8080/1-3-L, 2 normally closed contacts	<b>132527</b>	0.026	
Socket key	 15507E00	M8 / wrench size 13; to open/close the central locking	<b>222430</b>	0.210	


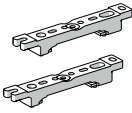
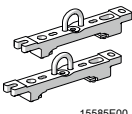
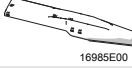
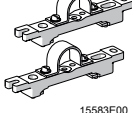


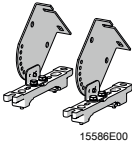

# Emergency Luminaire for Fluorescent Lamps

## Series EXLUX 6009

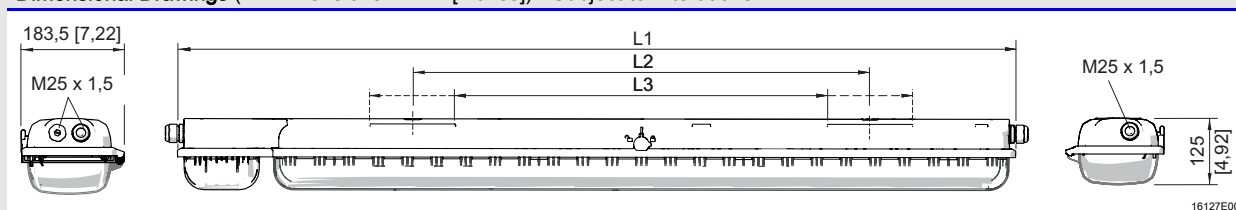


E2

### Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg	
Adapter plates	 05755E00	1 x M20 x 1.5	1 piece	<b>115815</b>	0.070
		1 x M25 x 1.5	1 piece	<b>115818</b>	0.070
		2 x M20 x 1.5	1 piece	<b>115826</b>	0.058
		2 x M25 x 1.5	1 piece	<b>115828</b>	0.060
		for use together with metal cable glands; the metal cable glands are integrated in the earthing system via adapter plates			
Mounting rail	 15584E00	for a variable mounting distance	1 pair	<b>222826</b>	0.300
Mounting bracket	 15585E00	mounting clamp mounted on a mounting rail for a variable mounting distance	1 pair	<b>222456</b>	0.400
Pole mounting sleeve	 16985E00	for the subsequent mounting on lights 18 W and 36 W, completely with assembly parts		<b>227512</b>	3.200
Pipe clamp	 15583E00	R 1 1/2"		<b>222459</b>	1.200
		R 1 1/4"		<b>222458</b>	1.250
		R 2"		<b>222460</b>	1.300
with mounting rail for a variable mounting distance; Material: stainless steel		1 pair			
Ring bolt	 05378E00	M8, direct mounting in insert nuts	1 pair	<b>115736</b>	0.112
Breathing gland	 05703E00	M25 x 1.5 in order to avoid condensate formation		<b>115738</b>	0.017
Ceiling and wall-mounting bracket	 15586E00	mounted on a mounting rail for a variable mounting distance; Material: stainless steel Lamp can be swiveled in steps of 15°	1 pair	<b>222827</b>	2.400
Battery set for 6409	 16332E00	Battery cover with built-in battery, Gas-tight NiCd battery; 7 Ah / 6 V		<b>223532</b>	1.195

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



# Emergency Luminaire for Fluorescent Lamps

## Series EXLUX 6009

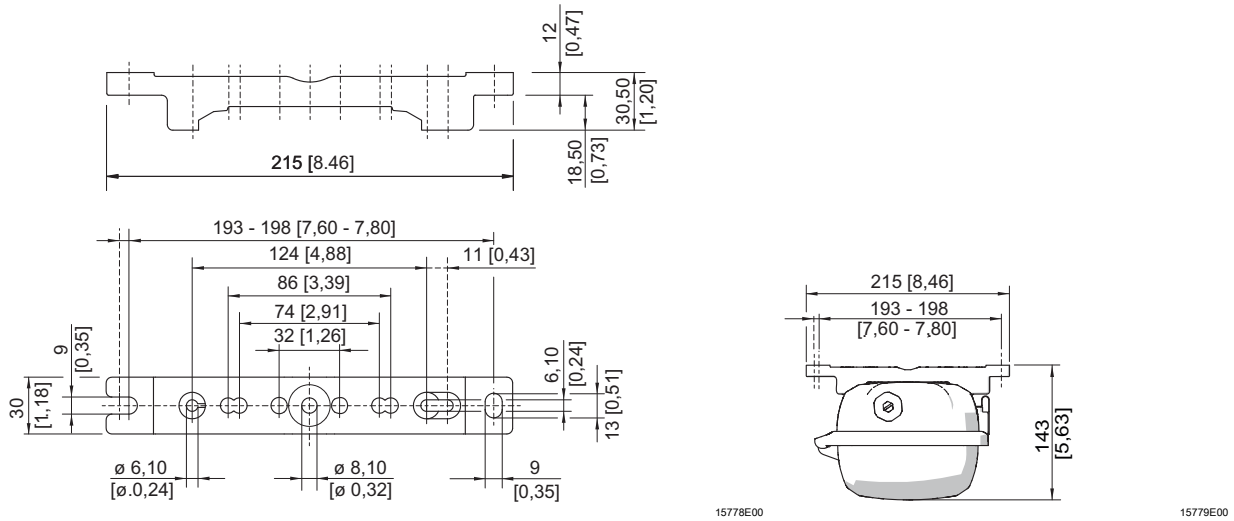
### Dimensional Drawings (All Dimensions in mm [inches]) - Subject to Alterations

Dimensions	Luminaire	
	17/18 W	32/36 W
L1	857 [33.74]	1467 [57.76]
L2 <sup>1)</sup>	400 [15.75]	800 [31.50]
L3 <sup>2)</sup>	320 ... 480 [12.60 ... 18.90]	670 ... 930 [26.38 ... 36.61]

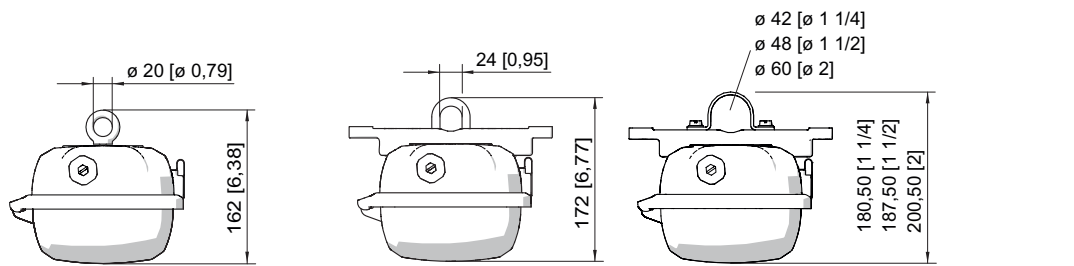
<sup>1)</sup> fixed mounting distance  
<sup>2)</sup> variable mounting distance

### EXLUX 6009

### Dimensional Drawings for Assembly Parts and Accessories (All Dimensions in mm [inches]) - Subject to Alterations



### Mounting rail



Ring bolt fitted in insert nut of the luminaire

Mounting bracket fitted in mounting rail

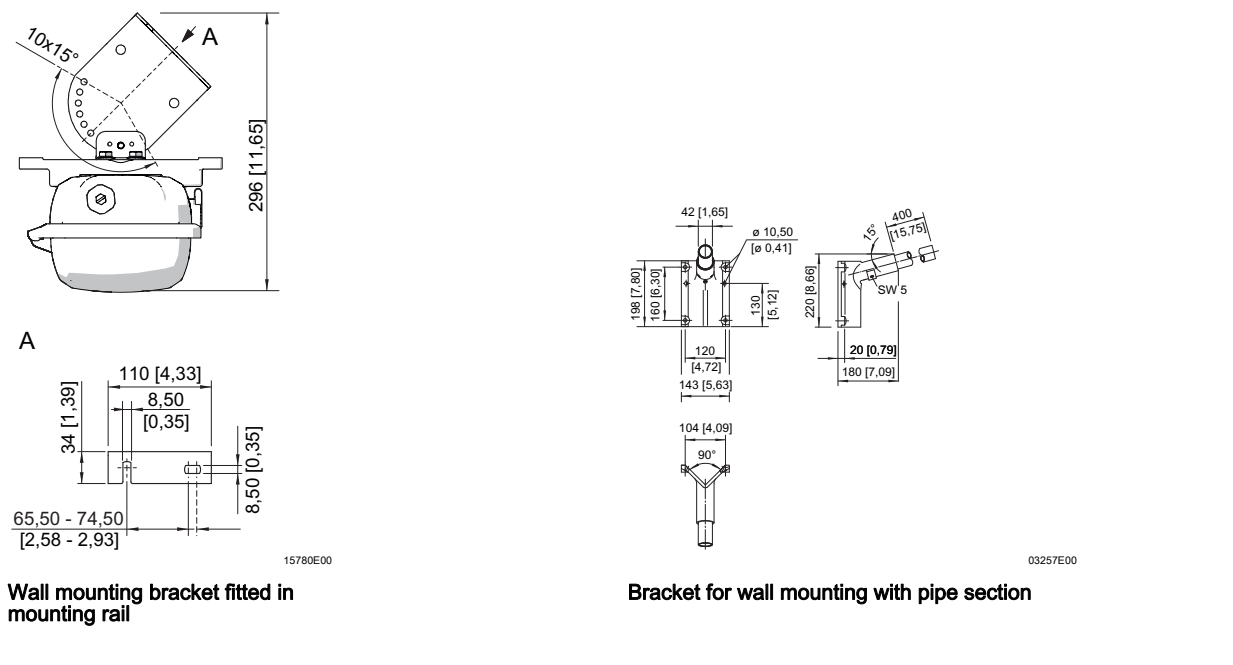
Pipe clamp fitted in mounting rail

# Emergency Luminaire for Fluorescent Lamps

## Series EXLUX 6009



### Dimensional Drawings for Assembly Parts and Accessories (All Dimensions in mm [inches]) - Subject to Alterations



E2

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.