



## Emergency Light Fittings Series EXLUX 6008

- Can be used in Zone 1 and Zone 2
- As pendant or pole-mounting fittings
- For single- and two-pin fluorescent lamps
- With electronic ballast and integral emergency light unit
- 2-lamp version:  
18 W, 36 W
- Central locking
- All-pole disconnection via N/C switch when opening fitting or battery enclosure
- Enclosure in polyester resin; cover in polycarbonate
- Maintained emergency operation 1.5 h or 3 h
- In non-maintained operation or non-maintained operation with switchable emergency light blocking
- With or without self-test function

STAHL

Series **EXLUX 6008** the emergency light fittings can be used for safety illumination.

# Zone 1 and Zone 2

### Selection table

Version	Lamp	Battery capacity	Emergency light duration	Self-test function	Ordering code		Weight [kg]	
					Standard fitting	Pole-mounting fitting		
<b>EXLUX 6008</b> for use in <b>Zone 1</b> and <b>Zone 2</b>	<b>with electronic ballasts, for two-pin fluorescent lamps</b>							
	2 x 18 W	7 Ah	1,5 / 3 h	with	<b>6008/522-90□7</b>	<b>6008/822-9087</b>	10,8/13,0	
				without	<b>6008/522-90□8</b>	<b>6008/822-9088</b>	10,8/13,0	
	2 x 36 W	7 Ah	1,5 h / 3 h	with	<b>6008/542-9□□7</b>	<b>6008/842-9087</b>	13,5/15,7	
				without	<b>6008/542-9□□8</b>	<b>6008/842-9088</b>	13,5/15,7	
	<b>with electronic ballasts, for single-pin fluorescent lamps</b>							
	2 x 18 W	7 Ah	1,5 h / 3 h	with	<b>6008/222-90□7</b>	<b>6008/722-9087</b>	10,8/13,0	
				without	<b>6008/222-90□8</b>	<b>6008/722-9088</b>	10,8/13,0	
	2 x 36 W	7 Ah	1,5 h / 3 h	with	<b>6008/242-9□□7</b>	<b>6008/742-9087</b>	13,5/15,7	
				without	<b>6008/242-9□□8</b>	<b>6008/742-9088</b>	13,5/15,7	
	<b>Add. to ordering code</b>							
	Through wiring			without		6008/. . . -90□7		
			with 6-cores		6008/. . . -96□7			
Cable entries			Standard		6008/. . . -9□17			
			Special		6008/. . . -9□97	Specify when ordering		

### Remarks

Maintained operation ist standard on delivery, by removing a jumper and connecting an external switch this can be changed to switchable confirmed operation.

The light fittings are supplied without tubes. These accessories must be ordered separately.

Pole mounting fitting, 18/20 W, cable entry: only lateral entries possible.

## Emergency Light Fittings for Fluorescent Lamps Series EXLUX 6008

Technical data	
Explosion protection with 1-pole with 2-pole	EEx emd IIC T4 II 2G / Ex edms IIC T4
Test certificate with 1-pin socket  with 2-pin socket	6008/.2. (20 W): PTB No. Ex-95.D.2063 6008/.4. (40 W): PTB No. Ex-95.D.2062 6008/.5.: PTB 97 ATEX 2032 other certificates: BKI (Hungary), FTZU (Czech Republic), ISSeP (Belgium), SEV (Switzerland), TÜV Vienna (Austria), VNIIEF (Russia)
Versions	2 x 18/20 W or 2 x 36/40 W, as standard or pole-mounting fitting, electronic ballast with integral emergency light electronics in switchable maintained or non-maintained connection
Material Enclosure Cover Gasket	Polyester, glass fibre reinforced, Colour: white, similar to RAL 9010 Polycarbonate Polyurethane, foamed into cover
Rated voltage	220 V - 10% ... 254 V + 6%, AC (50/60 Hz)
Lamps	2 x 18 / 20 W, 2 x 36 / 40 W
Fitting efficiency	broad bowl 2 x 18 / 20 W 76%      2 x 36 / 40 W 76%
Protection class	I (with internal PE terminal)
Degree of protection	IP 65 / IP 67
Ambient temperature Standard operation Battery operation	- 20 °C ... + 50 °C - 5 °C ... + 50 °C charge - 20 °C ... + 50 °C discharge
Connection	Terminals L1, L2, L3, N, PE, L' for 2 x 6 mm <sup>2</sup> solid; 2 x 4 mm <sup>2</sup> flexible; L' = charging phase must be connected at all times
Through wiring	Fitting available with internal through wiring, 4- or 6-core (not possible for 18/20 W) Retro-fitting possible; cross section 2,5 mm <sup>2</sup> for max. 16 A.
Cable entries Standard fitting  Special:  Pole-mounting fitting	Standard: Connection side: 1 cable gland M25 x 1,5 and 1 plug M25 x 1,5; Opposite side: 1 plug M25 x 1,5 M20 in plastic or metal drilled holes options: 2 x NPT 1/2" or 1 x NPT 3/4" With factory-fitted pole sleeve 18/20 W: entry as for standard fitting 36/40 W: cable is brought into fitting through sleeve Cable entry is sealed by a gland M32 x 2,5. If pole sleeve is retro-fitted (possible with fittings 18 / 20 W and 36 / 40 W), entry as for standard fitting.
Cover lock	Central locking using for socket spanner M8/SW13; Cover hinged for access.
Disconnection of light fitting on opening  faulty lamp	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. If lamp is faulty power supply is automatically switched off by electronic ballast
Light guide	Standard: broad bowl, inside of light fitting painted white. Colour: signal white, RAL 9003; anti-glare provision on sides. Special: additional broad deep-bowl reflector (easily mounted) semi-polished aluminium.
Other technical data	as for EXLUX 6000

Continuation →



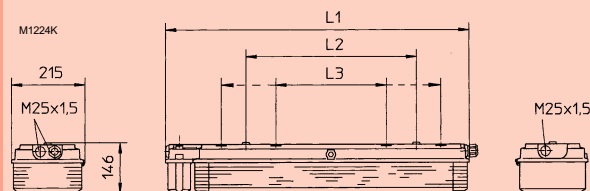
Technical data (Continuation)																		
<b>Emergency light electronics</b>	Incorporated in one enclosure with electronic ballast unit																	
Options	Emergency lighting electronics are available; with or without automatic self-test function; in maintained operation or maintained operation with switchable emergency lighting blocking																	
Interference suppression	to DIN EN 55015																	
Test functions																		
Self-test function	EXLUX 6008 is available with or without self-test function. The built-in self-test functions are activated as soon as light is connected to mains and automatically repeated after time has elapsed.																	
Operating test	Weekly test of emergency light function; battery and lamp faults are determined 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 2.3 <sup>rd</sup> of rated operation time. If the fitting is switches off by discharge protection before time has elapsed. Battery cannot be used for emergency operation. Fault is indicated via red LED.																	
Functions indicators	1 red LED and 1 green LED incorporated in reflector; can be seen from outside through cover																	
Displays	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">LED</th> <th style="width: 35%;">Indication</th> <th style="width: 50%;">Function</th> </tr> </thead> <tbody> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;">green</td> <td>On</td> <td>Charging current flowing; everything ok</td> </tr> <tr> <td>flashing 1 : 1</td> <td>Emergency light duration test running</td> </tr> <tr> <td>twinkling 1 : 10</td> <td>Automatic function test running</td> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;">red</td> <td>On</td> <td>Rechargeable battery capacity insufficient; Battery replacement necessary</td> </tr> <tr> <td>flashing 1 : 1</td> <td>Battery discharged; not operational</td> </tr> <tr> <td>twinkling 1 : 10</td> <td>Battery defective</td> </tr> </tbody> </table>	LED	Indication	Function	green	On	Charging current flowing; everything ok	flashing 1 : 1	Emergency light duration test running	twinkling 1 : 10	Automatic function test running	red	On	Rechargeable battery capacity insufficient; Battery replacement necessary	flashing 1 : 1	Battery discharged; not operational	twinkling 1 : 10	Battery defective
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Maintained operation or maintained operation with switchable emergency lighting	<p>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</p> <div style="text-align: center;"> </div>																	
Maintained operation (Function)	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.																	
Battery charging	Current-regulated constant current charging, duration 20 h, then changeover to trickle charging																	
Exhaustive discharge protection	at $U_{\text{Batt}} = 1 \text{ V/cell}$ (3 V); the emergency light electronics automatically switches light off (DIN VDE 0108)																	
Emergency light operating period	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Battery capacity</th> <th style="width: 50%;">Emergency light operation time</th> </tr> </thead> <tbody> <tr> <td>7 Ah</td> <td>1,5 h / 3 h</td> </tr> </tbody> </table>	Battery capacity	Emergency light operation time	7 Ah	1,5 h / 3 h													
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Changeover voltage from mains to battery operation	at $U < 0,6 \times U_N$																	
Changeover voltage from battery to mains operation	at $U > 0,9 \times U_N$																	

## Emergency Light Fittings for Fluorescent Lamps Series EXLUX 6008

### Technical data (Continuation)

<b>Emergency light electronics</b>	Continuation		
Lighting power on emergency operation	Emergency light operation time	Emergency light power	
		18/20 W	36/40 W
	1,5 h	90%	45%
	3 h	45%	25%
<b>Battery set</b>	built at light fitting in a separate battery enclosure		
Type	NiCd battery, gas tight		
Capacity	7 Ah		
Operating voltage	6 V		
Changing 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.		

### Dimensions (in mm)



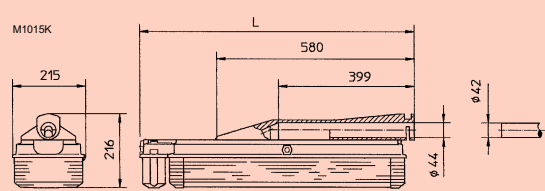
#### Dimensions

	Light fitting	
	18/20 W	36/40 W
L1	782	1392
L2 <sup>1)</sup>	400	800
L3 <sup>2)</sup>	312 ... 465	670 ... 865

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

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

### Emergency light fitting EXLUX 6008, EXLUX 6408 Standard fitting



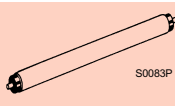
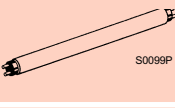
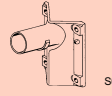
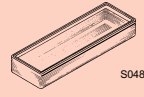
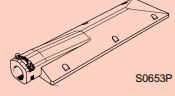


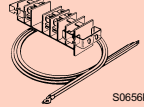
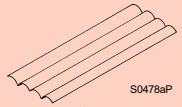
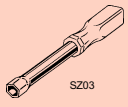
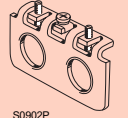

#### Dimensions

	Light fitting	
	18/20 W	36/40 W
L	806	1416

### Emergency light fitting EXLUX 6008, EXLUX 6408 Pole-mounting fitting





Accessories and spare parts					
Designation	Illustration	Description	Ordering code	Weight [kg]	
Fluorescent tube		Single-pin socket $\varnothing$ 38 mm Colour of light: white			
		TL-X 20 W/33 1000 lm TL-X 40 W/33 2350 lm	<b>512 602 0</b> <b>512 603 0</b>	0,16 0,30	
		Two-pin socket $\varnothing$ 26 mm Colour of light: white			
		L 18 W/25 1100 lm L 36 W/25 2600 lm	<b>461 722 0</b> <b>461 721 0</b>	0,10 0,20	
Wall-mounting bracket		for pole-mounting fitting; with conduit length 400 mm, $\varnothing$ 42 mm	<b>461 717 0</b>	2,30	
Plastic cover		for light fitting	18/20 W 36/40 W 58/65 W	<b>60 000 27 05 0</b> <b>60 000 28 05 0</b> <b>60 000 29 05 0</b>	1,20 2,12 2,70
Pole-mounting sleeve		for retro-fitting to lights 18/20 W and 36/40 W, complete with mounting accessories	<b>60 008 01 75 0</b>	2,20	
Switch		for light fitting (2 piece)	<b>80 800 06 60 0</b>	0,025	
		Switch element 8080/1-3-L 2 NO for battery set Switch element 8082/1-2-00 1 NC	<b>80 820 02 01 0</b>	0,025	
Fuse		to protect battery circuit	6,3 A	<b>85 600 19 01 0</b>	0,035
Mounting kit for through wiring		Emergency light fitting L + L1 + L2 + L3 + N + PE DV6 36 W/40 W (6 x 2,5 mm <sup>2</sup> ; max. 16 A)	<b>60 088 04 87 0</b>	0,3	
Reflectors		for retro-fitting, broad deep-bowl			
		for two lamp fittings	18 W/20 W 36 W/40 W 58 W/65 W	<b>60 009 07 58 0</b> <b>60 009 08 58 0</b> <b>60 009 09 58 0</b>	0,12 0,26 0,32
Socket spanner M8/SW 13		for use with central lock	<b>81 980 05 40 0</b>	0,13	
Adapter plates		for earth continuity when using metal glands	1 x M20 x 1,5 1 x M25 x 1,5 1 x NPT 1/2" 1 x NPT 3/4"	<b>60 008 15 55 0</b> <b>60 008 16 55 0</b> <b>60 008 17 55 0</b> <b>60 008 18 55 0</b>	0,07 0,07 0,07 0,07
			2 x M20 x 1,5 2 x M25 x 1,5 2 x NPT 1/2"	<b>60 008 19 55 0</b> <b>60 008 20 55 0</b> <b>60 008 21 55 0</b>	0,06 0,06 0,06
Battery set		7 Ah Battery capacity	<b>60 448 05 74 0</b>	1,15	

Mounting material see EXLUX 6000, page 7/16