



01931E00

Emergency Light Fittings for Fluorescent Lamps Series EXLUX 6008 (Zone 1) EXLUX 6408 (Zones 2, 21, 22)

- As pendant or pole-mounting fittings
- With electronic ballast with integrated emergency light unit
- For two-pin fluorescent lamps
- 2 lamp versions: 18 W and 36 W
- Central locking
- All-pole disconnection via N/C switch when opening light fitting or battery enclosure
- Enclosure in polyester resin
- Cover in polycarbonate
- In maintained operation or non-maintained operation with switchable emergency light blocking
- Operating test, weekly
- Emergency light duration test (at intervals of 6 months)

Series **EXLUX 6008** and **EXLUX 6408** light fittings can be used for safety illumination.

Zones 1 & 2, 21 & 22

Emergency Light Fittings for Fluorescent Lamps Series EXLUX 6008 (Zone 1) EXLUX 6408 (Zones 2, 21, 22)

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Selection Table					
Version	Lamps	Battery	Emergency light duration	Order number	Weight kg
6008 Standard light fitting	2 x 18 W	7 Ah	1.5 / 3 h (emergency light)	6008/522-9011-7147	8.200
	2 x 36 W	7 Ah	1.5 / 3 h (emergency light)	6008/542-9011-7147	10.400
6008 Pole-mounting light fitting	2 x 18 W	7 Ah	1.5 / 3 h (emergency light)	6008/922-9091-7147	10.800
	2 x 36 W	7 Ah	1.5 / 3 h (emergency light)	6008/842-9081-7147	13.000
6408 Standard light fitting (Zones 2, 21, 22)	2 x 18 W	7 Ah	1.5 / 3 h (emergency light)	6408/522-9011-7147	8.000
	2 x 36 W	7 Ah	1.5 / 3 h (emergency light)	6408/542-9011-7147	10.200
6408 Pole-mounting light fitting (Zones 2, 21, 22)	2 x 18 W	7 Ah	1.5 / 3 h (emergency light)	6408/922-9091-7147	10.600
	2 x 36 W	7 Ah	1.5 / 3 h (emergency light)	6408/842-9081-7147	12.800

Order Number Supplement					
Through wiring	without			6.08/...-0...-....	
	with 4 cores			6.08/...-4...-....	
	with 6 cores			6.08/...-6...-....	
Cabel glands	Standard	1 cable gland M 25 x 1,5 und 2 plugs M 25 x 1,5		6.08/...-...-1.	
	Special	Specify non-standard entries on writing		6.08/...-...-9.	

Note:
Maintained operation is standard on delivery. By removing a jumper and connecting an external switch this can be changed to switchable maintained operation.
The light fittings are supplied without tubes and mounting material.
These accessories must be ordered separately.

Technical Data		
Version	6008, Zone 1	6408, Zones 2, 21 & 22
Explosion protection		
Gas explosion protection	⊕ II 2 G Ex edm IIC T4	⊕ II 3G EEx nA II T4 (Zone 2)
Dust explosion protection	--	⊕ II 2D IP66 T80 °C / T90 °C (Zones 21, 22) T80 °C at T _a = + 40 °C T90 °C at T _a = + 50 °C
Certificates		
Gas explosion protection	PTB 97 ATEX 2032	SNCH 03 ATEX 3519 (Zone 2)
Dust explosion protection	--	SNCH 03 ATEX 3518 (Zone 21) SNCH 03 ATEX 3519 (Zone 22)
Other certificates	IECEX, GL, Russia (CTB)	--
Marking	CE 0102	
Rated voltage	220 V ... 254 V; 50/60 Hz 110 V ... 127 V; 50/60 Hz possible on request	
Ambient temperature	- 30 °C ... + 50 °C - 5 °C ... + 40 °C charge	
Lamps	2 x 18 W; 2 x 36 W	
Type of Protection	IP66 / IP67 (IP64 when using breathing gland 8162)	



Emergency Light Fittings for Fluorescent Lamps

Series EXLUX 6008 (Zone 1) EXLUX 6408 (Zones 2, 21, 22)

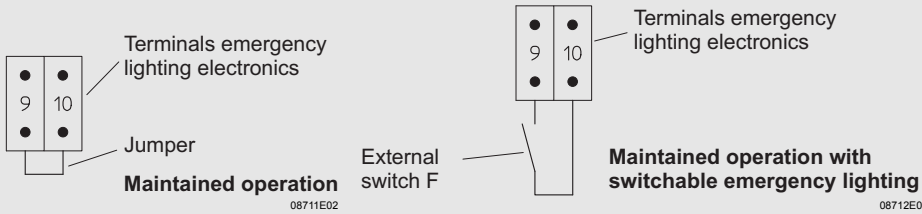
Technical Data	
Class of protection	I (with internal PE terminal)
Material	
Enclosure material	Polyester, glass fibre reinforced, Colour: white, similar to RAL 9010
Cover	Polycarbonate; protective paint available
Gasket	Polyurethane, foamed into cover
Central lock	Central locking using for socket spanner M8/SW13; cover hinged for access
Light guides	Standard: broad bowl, internal reflector 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.
Through wiring	Fitting available with internal through wiring, 4 or 6-core at 18 W possible only with spring clamp terminal Retro-fitting possible; cross section 2,5 mm ² for max. 16 A
Connection	Standard: Terminal block with cover; Marking: L1, N, PE, L' (L' = switched phase) Connection range: max. 2 x 6 mm ² (solid); 2 x 4 mm ² (flexible) Special: Terminal block with additional connection points for through wiring. 4 pole (terminal marking: L1 + N + PE + L'); 6 pole (terminal marking: L1 + L2 + L3 + N + PE, L')
Switch-off	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 of faulty lamps if lamp is faulty, power supply is automatically switched off by the electronic ballast
Assembly	<p>Looping through of cable Standard fitting There are 2 M25 x 1,5 cable entries on the connection side for looping through of connection cable (entry and exit on one side), also possible with lights subsequently fitted with pole sleeve.</p> <p>Through wiring Standard fitting Fittings can be supplied with internal through-wiring. Entry and exit holes for connection cables are positioned on opposite sides. A through-wiring kit can be fitted after manufacture (see accessories). For terminal details see technical data. Wiring cross-section 2,5 mm² for max. 16 A.</p> <p>Mounting Pendant light fitting Standard: 2 x M8 inserts in enclosure Special: Mounting grooves in housing to accommodate bracket fitting and ceiling rails for variable light installation. (variable mounting distance for fittings 18 W: 312 ... 465 mm; 36 W: 670 ... 865 mm) A pole-mounting sleeve can also be fitted to the standard light fitting Pole mounting fitting On sleeve dia 42 mm secured by a clamp. Pole-mounting sleeve normally fitted at the factory but can be retro fitted, entry as for standard fitting. Entry of cable with factory-mounted pole sleeve. Cable is brought into fitting through sleeve. Cable entry is sealed by a gland M32 x 1,5. (only with 36 W version) If pole sleeve is retro fitted, entry as for standard fitting.</p>

Technical Data

Cable entry	Standard fitting Standard: connection side: 1 cable gland M 25 x 1.5 and 1 stopping plug M 25 x 1.5; opposite side: 1 stopping plug M 25 x 1.5 Sonder: M 20 in plastic or metal drilled holes options: 2 x NPT 1/2" or 1 x NPT 3/4" pole mounting Pole mounting fitting With factory-fitted pole sleeve: 18 W: entry as for standard fitting 36 W: cable is brought into fitting through sleeve cable entry is sealed by a cable gland M 32 x 1.5. If pole sleeve is retro-fitted (possible with fittings 18 W and 36 W): entry as for standard fitting		
Emergency light electronics	Maintained operation, stand-by operation, emergency blocking		
Operating options	Maintained operation, stand-by operation, emergency blocking		
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 operation	During emergency light operation only one more lamp is operated. This results in reduced lighting power (see emergency light operation time)		
Emergency light duration	Battery capacity	Emergency light operation time	Emergency light power
			18 W light fitting 36 W light fitting
	7 Ah	1,5 h	100 % 60 %
		3 h	60 % 30 %
Changeover voltage	from mains to battery operation at $U < 0,74 \times U_N$ from battery to mains operation at $U > 0,80 \times U_N$		
Test function			
Operating test	Check the emergency light function once a week. First test 1 hour after commissioning. During the first test, both lamps are switched on for 1 minute and the battery is charged with the rated current. Battery error and lamp fault are detected and indicated by means of the LED.		
Emergency light duration test	Automatic emergency light duration test function is integrated in the light fitting. Function activated: By removing jumper between terminal 9 and 12 When removing the jumper from the terminals 9 and 12, the test function is activated as soon as light is connected to mains and automatically repeated after time has elapsed. Testing of battery capacity at intervals of 6 months; operating of fitting in emergency light mode for 2/3 of rated operation time. If the light fitting is switched off by discharge protection before time has elapsed, battery cannot be used 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	

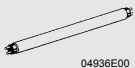
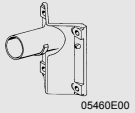

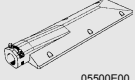
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Technical Data

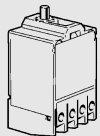
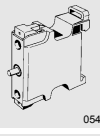
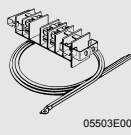
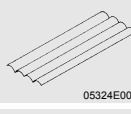

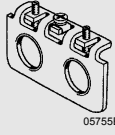

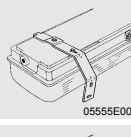
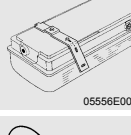

Operation modes	<p>On delivery light fitting is wired for maintained operation; by removing the jumper between terminals 9 and 10 and connecting external switch F, the fitting is converted to maintained operation with switchable emergency lighting.</p> <div style="text-align: center;">  <p>The diagram illustrates two terminal block configurations. On the left, labeled 'Maintained operation' (code 08711E02), terminals 9 and 10 are connected by a 'Jumper'. On the right, labeled 'Maintained operation with switchable emergency lighting' (code 08712E02), terminals 9 and 10 are disconnected, and an 'External switch F' is connected between them. Both configurations show terminals for 'Terminals emergency lighting electronics'.</p> </div>
Functions	<p>Maintained operation On failure of supply to general lighting, fitting is supplied from the battery, irrespective of the light switch position</p> <p>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.</p> <p>Note:</p> <ul style="list-style-type: none"> - 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. 500 m with wire 1.5 mm²
Battery set	<p>Type NiCd-battery, gas tight</p> <p>Capacity 7 Ah</p> <p>Operating voltage 6 V</p> <p>Charging battery set When central lock is opened battery set is de-energized; it can be removed from the housing by unplugging its removable contact</p>

Accessories and Spare Parts

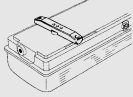
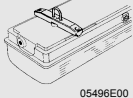
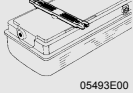
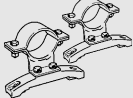



Designation	Illustration	Description	Order number	Weight kg
Fluorescent lamps	 <small>04936E00</small>	18 W 1300 lm	108952	0.100
		36 W 3200 lm	108951	0.200
Wall-mounting bracket	 <small>05460E00</small>	for pole-mounting fitting; with conduit 400 mm long, Ø 42 mm	108947	2.480
Plastic cover	 <small>05329E00</small>	for light fitting 18 W	115814	0.800
		for light fitting 36 W	115817	1.500
Pole-mounting sleeve	 <small>05500E00</small>	for retro-fitting to lights 18 W and 36 W, complete with mounting accessories	115698	2.100

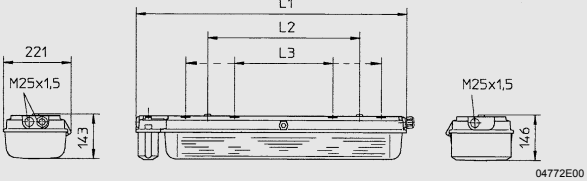
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Accessories and Spare Parts					
Designation	Illustration	Description	Order number	Weight kg	
Switch	 10809E00	Switch element 8080/1-3-L, 2 NC	132527	0.025	
	 05499E00	Switch element 8082/1-2-00, 1 NO	132640	0.030	
Mounting set for through-wiring	 05503E00	for light fitting 36 W L1, L ¹ , N, PE (4 x 2,5 mm ² , max. 16 A)	116358	0.200	
		for light fitting 36 W L1, L2, L3, L ¹ , N, PE (6 x 2,5 mm ² , max. 16 A)	116359	0.340	
		for light fitting 36 W (spring cable clamp) L1, L ¹ , N, PE (4 x 2,5 mm ² , max. 16 A)	169693	0.000	
		for light fitting 36 W (spring cable clamp) L1, L2, L3, L ¹ , N, PE (6 x 2,5 mm ² , max. 16 A)	169694	0.000	
Reflectors	 05324E00	for 2 lamp light fittings 18 W	115716	0.000	
		for 2 lamp light fittings 36 W	115745	0.000	
Socket spanner	 05321E00	M 8 / SW 13; to operate central locking	140486	0.126	
Adapter plates	 05755E00	1 x M 20 x 1.5	1 pc	115815	0.070
		1 x M 25 x 1.5	1 pc	115818	0.070
		1 x NPT 1/2"	1 pc	115821	0.070
		1 x NPT 3/4"	1 pc	115824	0.070
		2 x M 20 x 1.5	1 pc	115826	0.060
		2 x M 25 x 1.5	1 pc	115828	0.060
		2 x NPT 1/2"	1 pc	115829	0.060
Battery set	 05567E00	NiCd-battery, gas tight; 7 Ah / 6 V	118013	1.000	
Wall-mounting bracket 90°	 05555E00	Material: stainless steel, 1 pair	115713	1.500	
Wall-mounting bracket 50°	 05556E00	Material: stainless steel, 1 pair	115691	1.200	
Ring bolts	 05378E00	M8, direct mounting in insert nuts, 1 pair	115736	0.120	

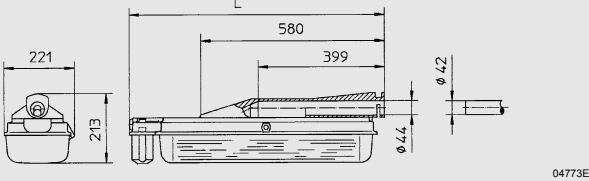
Emergency Light Fittings for Fluorescent Lamps Series EXLUX 6008 (Zone 1) EXLUX 6408 (Zones 2, 21, 22)

Accessories and Spare Parts				
Designation	Illustration	Description	Order number	Weight kg
Mounting rail		for variable mounting distance 1 pair	115719	0.330
Mounting clamp		Clamp mounted to mounting rail for variable mounting distance 1 pair	115777	0.400
Ceiling clip bracket		for ceiling mounting of light fitting 1 pair	115733	0.280
Pipe clamp		R 1 1/2"	115690	1.250
		R 2"	115711	1.370
		R 1 1/4"	115728	1.250
		With mounting rail for variable fitting distance Material: stainless steel 1 pair		
Breathing gland		for ventilating and draining M 25 x 1.5	115738	0.020

Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



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Dimensions in mm	Light fitting		Dimensions in mm	Light fitting	
	18 W	36 W		18 W	36 W
L1	782	1392	L	806	1416
L2 ¹⁾	400	800			
L3 ²⁾	312 ... 465	670 ... 865			

¹⁾ fixed mounting distance
²⁾ variable mounting distance

EXLUX 6008 and EXLUX 6408 Standard light fitting
EXLUX 6008 and EXLUX 6408 Pole mounting light fitting



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.