

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 and integral emergency light unit
- For two-pin fluorescent lamps
- 1 or 2 lamp versions: 18 W and 36 W
- Central locking
- All-pole disconnection via N/C switch when opening light fitting or battery enclosure (Series 6008)
- 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 3 months)



01931E00

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

STAHL

Zones 1 & 2; 21 & 22

Emergency Light Fittings for Fluorescent Lamps

Series EXLUX 6008 (Zone 1)

EXLUX 6408 (Zones 2, 21, 22)

Selection table					
Version	Lamps	Battery	Emergency light duration	Ordering code	Weight kg
6008 Standard light fitting	2 x 18 W	7 Ah	1.5 / 3 h	6008/522-9..7-3140	8,500
	2 x 36 W	7 Ah	1.5 / 3 h	6008/542-9..7-0140	10,500
6008 Pole-mounting light fitting	2 x 18 W	7 Ah	1.5 / 3 h	6008/822-9097-3140	12,100
	2 x 36 W	7 Ah	1.5 / 3 h	6008/842-9087-6140	13,400
6408 Standard light fitting (Zones 2, 21, 22)	2 x 18 W	7 Ah	1,5 / 3 h	6408/522-9..7-3140	8,500
	2 x 36 W	7 Ah	1,5 / 3 h	6408/542-9..7-2140	10,500
6408 Pole-mounting light fitting (Zones 2, 21, 22)	2 x 18 W	7 Ah	1,5 / 3 h	6408/822-9097-3140	11,400
	2 x 36 W	7 Ah	1,5 / 3 h	6408/842-9087-6140	12,700
Add. to ordering code					
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...-....	
<p>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.</p>					

Technical Data		
Version	6008, Zone 1	6408, Zones 2, 21, 22
Explosion protection		
Gas explosion protection	⊕ II 2 G EEx 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 bei T _a = + 40 °C T90 °C bei 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)
Marking	CE 0102	
Rated voltage	220 V - 10 % ... 254 V + 6 %	
Back-up fuse for battery set	6,3 A, equipment fuse 8560	
Ambient temperature	Standard operation - 20 °C ... + 50 °C Battery operation - 5 °C ... + 50 °C charge - 20 °C ... + 50 °C discharge	
Lamps	2 x 18 W; 2 x 36 W	
Degree of protection	IP 66 / IP 67	
Class of protection	I (with internal PE terminal)	
Material		
Housing material	Polyester, glass fibre reinforced, Colour: white, similar to RAL 9010	

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Series EXLUX 6008 (Zone 1)

EXLUX 6408 (Zones 2, 21, 22)



Technical Data	
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 (not possible for 18/20 W) Retro-fitting possible; cross section 2,5 mm ² for max. 16 A
Connections	Standard: Terminal block with cover; Marking: L1, L2, L3, L ^I , N, PE; (L ^I charching 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 ^I); 6 pole (terminal marking: L1 + L2 + L3 + N + PE, L ^I)
Version	6008, Zone 1 6408, Zones 2, 21, 22
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
Mounting	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.
	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 mm ² for max. 16 A.
	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/58 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.

Emergency Light Fittings for Fluorescent Lamps

Series EXLUX 6008 (Zone 1)

EXLUX 6408 (Zones 2, 21, 22)

Technical Data

Cable entries

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 / 20 W: entry as for standard fitting
36 W / 40 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 / 20 W and 36 W / 40 W):

entry as for standard fitting

Emergency light electronics

Options

Emergency lighting electronics are available:
in maintained operation or maintained operation with switchable emergency lighting blocking

Battery charging

Current-regulated constant current charging, duration 20 h, then changeover to trickle charging

Deep discharge protection

at UBatt = 1 V/cell (3 V); the 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 crases

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	90 %	45 %
	3 h	45 %	25 %

Changeover voltage

from mains to battery operation at $U < 0,6 \times U_N$
from battery to mains operation at $U > 0,9 \times U_N$

Test function

Operating test

weekly test of emergency light function; battery and lamp faults are recognized and indicated via red 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 3 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.

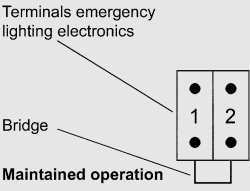
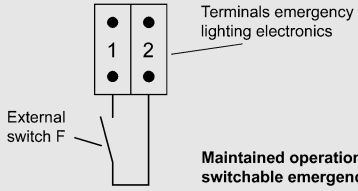
Function indicators

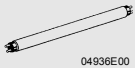
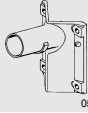
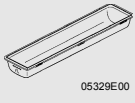
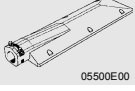
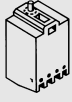
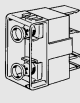
1 LED red and 1 LED green,
incorporated in reflector; can be seen from outside through cover

LED	Indication	Function
Green	On	Charging current flowing; everything ok
	Blinking 1:1	Emergency light duration test running
	Flashing 1:10	Automatic function test running
Red	On	Rechargeable battery capacity insufficient battery replacement necessary
	Blinking 1:1	Battery discharged; not operational
	Flashing 1:10	Battery defective

Emergency Light Fittings for Fluorescent Lamps

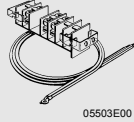


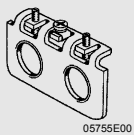




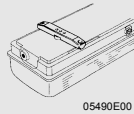

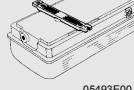
Series EXLUX 6008 (Zone 1) EXLUX 6408 (Zones 2, 21, 22)

Technical Data	
Operation modes	<p>On delivery light fitting is wired for maintained operation; by removing the jumper between terminals 1 and 2 and connecting external switch F, the fitting is converted to maintained operation with switchable emergency lighting.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>08711e00</p> </div> <div style="text-align: center;">  <p>08712e00</p> </div> </div>
Battery set	<p>Functions</p> <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>
Type	NiCd-battery, gas tight
Capacity	7 Ah
Operating voltage	6 V
Version	6008, Zone 1 6408, Zones 2, 21, 22
Charging battery set	<p>When central lock is opened battery set is deenergized; it can be removed from the housing by unplugging its removable contact</p> <p style="text-align: right;">No switching off when opening the battery enclosure; battery set can be removed from the housing by unplugging its removable contact.</p>

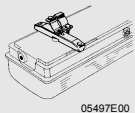

Accessories and spare parts				
Designation	Illustration	Description	Ordering code	Weight kg
Fluorescent lamps	 04936E00	18 W 1100 lm	4617220	0,100
		36 W 2600 lm	4617210	0,200
Wall-mounting bracket	 05460E00	for pole-mounting fitting; with conduit 400 mm long, Ø 42 mm	4617170	2,480
Plastic cover	 05329E00	for light fitting 18 W	6000815050	0,800
		for light fitting 36 W	6000816050	1,500
		for light fitting 58 W	6000817050	1,800
Pole-mounting sleeve	 05500E00	for retro-fitting to lights 18 W and 36 W, complete with mounting accessories	6000801750	2,100
Switch	 05651E00	Switch element 8080/1-3-L, 2 NC	8080006600	0,025
		Switch element 8082/1-2-00, 1 NO	8082002010	0,025
Fuse	 05736E00	to protect battery circuit; 6,3 A; 1 pc	8560019010	0,050



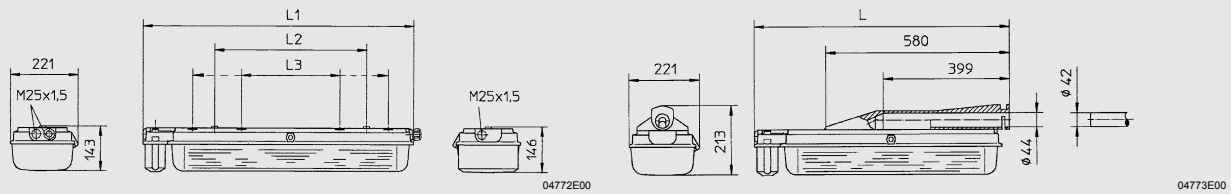
Emergency Light Fittings for Fluorescent Lamps Series EXLUX 6008 (Zone 1) EXLUX 6408 (Zones 2, 21, 22)

Accessories and spare parts					
Designation	Illustration	Description	Ordering code	Weight kg	
Mounting set for through-wiring	 05503E00	for light fitting 36 W L1, L2, L3, L', N, PE (6 x 2,5 mm ² , max. 16 A)	6008804870	0,340	
Reflectors	 05324E00	for 2 lamp light fittings 18 W	6000907580	0,126	
		for 2 lamp light fittings 36 W	6000908580	0,272	
Socket spanner	 05321E00	M 8 / SW 13; to operate central locking	8198005400	0,126	
Adapter plates	 05755E00	1 x M 20 x 1.5	1 pc	6000815550	0,070
		1 x M 25 x 1.5	1 pc	6000816550	0,070
		1 x NPT 1/2"	1 pc	6000817550	0,070
		1 x NPT 3/4"	1 pc	6000818550	0,070
		2 x M 20 x 1.5	1 pc	6000819550	0,060
		2 x M 25 x 1.5	1 pc	6000820550	0,060
		2 x NPT 1/2"	1 pc	6000821550	0,060
Battery set	 05567E00	NiCd-battery, gas tight; 7 Ah / 6 V	6044801740	1,100	
Wall-mounting bracket 90°	 05555E00	Material: stainless steel, 1 pair	6000802440	1,500	
Wall-mounting bracket 50°	 05556E00	Material: stainless steel, 1 pair	6000801440	1,000	
Ring bolts	 05378E00	M 8, to mount directly into inserts, 1 pair	6000803900	0,100	
Mounting rail	 05490E00	for variable mounting distance	1 pair	6000802750	0,326
Mounting clamp	 05496E00	Clamp mounted to mounting rail for variable mounting distance 1 pair	6000807750	0,426	
Ceiling clip bracket	 05493E00	for ceiling mounting of light fitting 1 pair	6000803750	0,280	

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

Accessories and spare parts				
Designation	Illustration	Description	Ordering code	Weight kg
Pipe clamp		R 1 1/2"	6000801260	1,200
		R 2"	6000802260	1,200
		R 1 1/4"	6000803260	1,274
		With mounting rail for variable fitting distance Material: stainless steel 1 pair		
Breathing gland		for ventilating and draining M 25 x 1.5	6000803960	0,010

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



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

¹⁾ fixed mounting distance
²⁾ variable mounting distance

Dimensions in mm	Light fitting	
	18 W	36 W
L	806	1416

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.

