

Emergency Light Fittings for Fluorescent Lamps

6008 Series (Zone 1)

6408 Series (Zones 2, 21, 22)

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



- Pendant or pole-mounting fittings available
- 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 (6008 Series)

- Housing 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)



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Selection table

Version	Lamps	Battery	Emergency light duration	Ordering code	Weight kg
6008 Standard light fitting (Zone 1)	2 x 18 W 2 x 36 W	7 Ah 7 Ah	1,5 / 3 h 1,5 / 3 h	6008/522-9017-3140 6008/542-9017-6140	8,5 10,5
6008 Pole-mounting light fitting (Zone 1)	2 x 18 W 2 x 36 W	7 Ah 7 Ah	1,5 / 3 h 1,5 / 3 h	6008/822-9097-3140 6008/842-9087-6140	11,0 13,0
6408 Standard light fitting (Zones 2, 21, 22)	2 x 18 W 2 x 36 W	7 Ah 7 Ah	1,5 / 3 h 1,5 / 3 h	6408/522-9017-3140 6408/542-9017-6140	8,50 10,5
6408 Pole-mounting light fitting (Zones 2, 21, 22)	2 x 18 W 2 x 36 W	7 Ah 7 Ah	1,5 / 3 h 1,5 / 3 h	6408/822-9097-3140 6408/842-9087-6140	11,0 13,0

Add. to ordering code

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.
Through wiring	without		6.08 / 0
	with 4 cores		6.08 / 4
	with 6 cores		6.08 / 6

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 2G 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		
for gas explosion protection	PTB 97 ATEX 2032	SNCH 03 ATEX 3519 (Zone 2)
for 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	
Cover	Polycarbonate; protective paint available	
Gasket	Polyurethane, foamed into cover	

Technical Data

Central lock	Central locking using for socket spanner M8/SW13; cover hinged for access
Light guides	<p>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.</p>
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	<p>Standard: Terminal block with cover; Marking: L1, L2, L3, L¹, N, PE; (L¹ charching phase) Connection range: max. 2 x 6 mm² (solid); 2 x 4 mm² (flexible) Special: Terminal block with additional connection points for through wiring. 4-pole (terminal marking: L1 + N + PE + L¹); 6-pole (terminal marking: L1 + L2 + L3 + N + PE, L¹)</p>
Version	6008, Zone 1 6408, Zones 2, 21, 22
Switch-off	<p>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</p> <p>of faulty lamps if lamp is faulty, power supply is automatically switched off by the electronic ballast</p> <p>of light fitting on opening: no switching off of faulty lamps if lamp is faulty, power supply is automatically switched off by the electronic ballast</p>
Mounting	<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/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.</p>
Cable entries	<p>Standard 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 Special: M20 in plastic or metal drilled holes; options: 2 x NPT 1/2" or 1 x NPT 3/4" Pole-mounting fitting 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.</p>

Technical Data

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		
Exhaustive 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

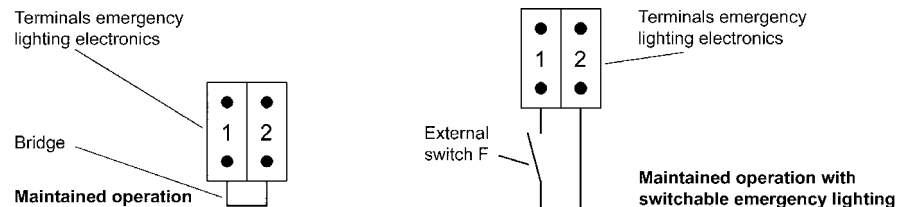
Operating test	weekly test of emergency light function; battery and lamp faults are recognized an indicated via red LED
Emergency light duration test	Automatic emergency light duration test function is integrated in the light fitting. Function activated: By removing jumper between terminal 9 and 12. 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 intervalls 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 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

Operation modes

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.



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.

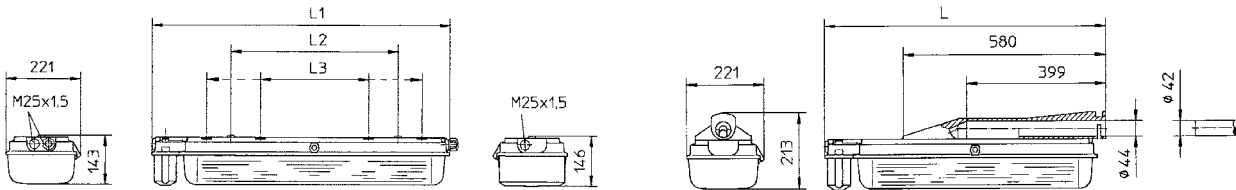
The external switch has a potential-free NO contact.

Technical Data

Battery set

Type	NiCd-battery, gas tight	
Capacity	7 Ah	
Operating voltage	6 V	
Version	6008, Zone 1	6408, Zones 2, 21, 22
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	No switching off when opening the battery enclosure; battery set can be removed from the housing by unplugging its removable contact.

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

EXLUX 6008 and EXLUX 6408 Standard light fitting

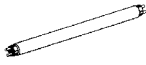
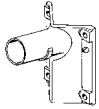

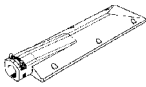
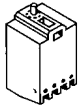
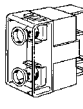
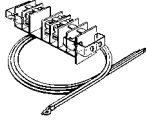
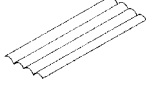
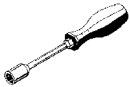
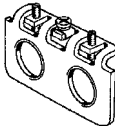

Dimensions in mm	Light fitting	
	18 W	36 W
L	806	1416

EXLUX 6008 and EXLUX 6408 Pole mounting light fitting

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Accessories and spare parts

Designation	Illustration	Description	Ordering code	Weight kg	
Fluorescent lamps		18 W 1100 lm	4617220	0,100	
		36 W 2600 lm	4617210	0,200	
Wall-mounting bracket		for pole-mounting fitting; with conduit 400 mm long, \varnothing 42 mm	4617170	2,480	
Plastic cover		for light fitting 18 W	6000815050	0,000	
		for light fitting 36 W	6000816050	1,600	
		for light fitting 58 W	6000817050	0,000	
Pole-mounting sleeve		for retro-fitting to lights 18 W and 36 W, complete with mounting accessories	6000801750	2,100	
Switch		Switch element 8080/1-3-L, 2 NC	8080006600	0,025	
		Switch element 8082/1-2-00, 1 NO	8082002010	0,025	
Fuse		to protect battery circuit; 6,3 A; 1 pc	8560019010	0,050	
Mounting set for through-wiring		for light fitting 36 W L1, L2, L3, L ¹ , N, PE (6 x 2,5 mm ² , max. 16 A)	6008804870	0,340	
Reflectors		for 2 lamp light fittings 18 W	6000907580	0,126	
		for 2 lamp light fittings 36 W	6000908580	0,272	
Socket spanner		M 8 / SW 13; to operate central locking	8198005400	0,126	
Adapter plates		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		NiCd-battery, gas tight; 7 Ah / 6 V	6044801740	1,100	

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.