



Fluorescent Light Fittings for Fluorescent Lamps Series EXLUX 6000

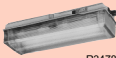

- Can be used in Zone 1 and Zone 2
- As pendant or pole-mounting fittings
- With electronic or conventional ballast
- For single-pin or two-pin lamps
- Or 2-lamp versions:
18 W / 20 W,
36 W / 40 W,
58 W / 65 W
- Central locking
- All-pole disconnection via N/C switch when cover is opened
- Enclosure in polyester resin; cover in polycarbonate

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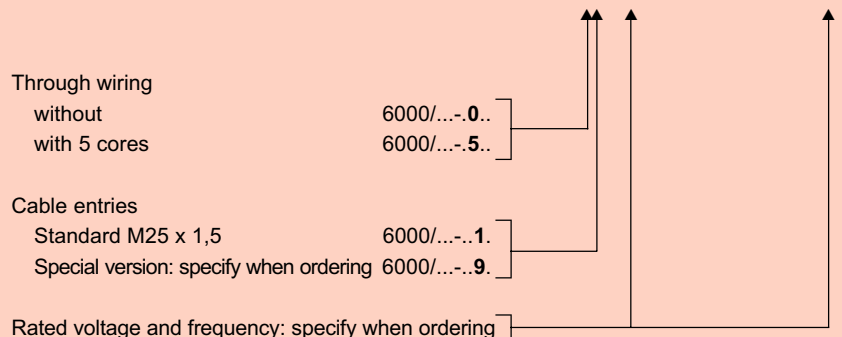
Series **EXLUX 6000** light fittings can be used for normal lighting, and also as group- or centrally-supplied emergency lights.

Zone 1 and Zone 2

Selection table

Series	Lamps	Connection	Rated voltage	Ordering code		Weight [kg]
				Standard fitting	Pole-mounting fitting	
with electronic ballasts for two-pin fluorescent lamps						
 6000 Pendant light fitting (standard)	1 x 18/20 W	single channel electr. ballast	220 V - 254 V 50/60 Hz	6000/521-8□□1	6000/821-8081	4,5 / 6,7
	2 x 18/20 W	single channel electr. ballast		6000/522-8□□1	6000/822-8081	4,6 / 6,8
		double channel electr. ballast		6000/522-9□□1	6000/822-9081	6,8 / 9,0
	1 x 36/40 W	single channel electr. ballast		6000/541-8□□1	6000/841-8081	7,3 / 9,5
	2 x 36/40 W	single channel electr. ballast		6000/542-8□□1	6000/842-8081	7,4 / 9,6
		double channel electr. ballast		6000/542-9□□1	6000/842-9081	9,1 / 11,3
	1 x 58/65 W	single channel electr. ballast		6000/561-8□□1	–	10,2 / –
2 x 58/65 W	single channel electr. ballast	6000/562-8□□1	–	8,8 / –		
	double channel electr. ballast	6000/562-9□□1	–	10,8 / –		
with electronic ballasts for single-pin fluorescent lamps						
 6000 Pole-mounting light fitting	1 x 18/20 W	single channel electr. ballast	220 V - 254 V 50/60 Hz	6000/221-8□□1	6000/721-8081	4,5 / 6,7
	2 x 18/20 W	single channel electr. ballast		6000/222-8□□1	6000/722-8081	4,6 / 6,8
		double channel electr. ballast		6000/222-9□□1	6000/722-9081	6,8 / 9,0
	1 x 36/40 W	single channel electr. ballast		6000/241-8□□1	6000/741-8081	7,3 / 9,5
	2 x 36/40 W	single channel electr. ballast		6000/242-8□□1	6000/742-8081	7,4 / 9,6
		double channel electr. ballast		6000/242-9□□1	6000/742-9081	8,4 / 10,6
	1 x 58/65 W	single channel electr. ballast		6000/261-8□□1	–	8,2 / 10,6
2 x 58/65 W	single channel electr. ballast	6000/262-8□□1	–	9,2 / –		
	double channel electr. ballast	6000/262-9□□1	–	10,2 / –		
with inductive ballasts for single-pin fluorescent lamps						
1 x 20 W	inductive	230 V/50 Hz	6000/221-1□□1-□	6000/721-1081-□	5,4 / 7,6	
2 x 20 W	inductive	230 V/50 Hz	6000/222-1□□1-□	6000/722-1081-□	6,5 / 8,7	
	Dual circuit (compensated)		6000/222-4□□1-□	6000/722-4081-□	6,9 / 9,1	
1 x 40 W	inductive	230 V/50 Hz	6000/241-1□□1-□	6000/741-1081-□	9,0 / 11,2	
	Steinmetz (compensated)		6000/241-2□□1-□	6000/741-2081-□	8,7 / 10,9	
2 x 40 W	inductive	230 V/50 Hz	6000/242-1□□1-□	6000/742-1081-□	11,0 / 13,2	
	Dual circuit (compensated)		6000/242-4□□1-□	6000/742-4081-□	11,4 / 13,6	
	Steinmetz (compensated)		6000/242-2□□1-□	6000/742-2081-□	10,4 / 12,6	

Add. to ordering code



Note: The fittings are supplied without tubes. These must be ordered separately!



Light Fittings for Fluorescent Lamps Series EXLUX 6000

Technical data			
Version	with inductive ballasts		with electronic ballasts single or double channel
Explosion protection	EEx edq IIC T4		EEx ed IIC T4 (Option: T6 for 20 W Version)
1 pin version	–		Ex II 2G / Ex eds IIC T4 (Option: T6 for 18 W Version)
2 pin version	other certificates: BASEFA (Great Britain), CEPEL (Brazil), ERA (Great Britain), FTZU (Czech Republic), LCIE (France), LOSC (Australia), SEV (Switzerland), BKI (Hungary), VNIIEF (Russia), SZS (Yugoslavia), DEMKO (Denmark), ISSEP (Belgium), TÜV Vienna (Austria)		
Test certificate	20 W: PTB No. Ex - 91.C.1045 40 W: PTB No. Ex - 91.C.1046		18/20 W: PTB No. Ex - 91.C.1045 36/40 W: PTB No. Ex - 91.C.1046 58/65 W: PTB No. Ex - 91.C.1047 18 W, 36 W, 58 W: PTB 97 ATEX 2031
1 pin version	–		
2 pin version	–		
Marking	CE		CE
Lamps	1 x 20 W, 2 x 20 W, 1 x 40 W, 2 x 40 W		1 x 18/20 W, 2 x 18/20 W, 1 x 36/40 W 2 x 36/40 W, 1 x 58/65 W, 2 x 58/65 W
Standard fitting	1 x 20 W, 2 x 20 W, 1 x 40 W, 2 x 40 W		1 x 18/20 W, 2 x 18/20 W, 1 x 36/40 W, 2 x 36/40 W
Pole-mounting fitting	Single-pin fluorescent lamps Ø 38 mm, Socket FA6		Single-pin fluorescent lamps Ø 26 mm or Ø 38 mm Socket FA6
1 pin version	–		Two-pin fluorescent lamps Ø 38 mm or Ø 26 mm, Socket G13
2 pin version	–		
Rated voltage	Standard: 230 V/50 Hz		AC: 220 V - 10% ... 254 V + 6% 50/60 Hz Option: 110 V - 10% ... 127 V + 15%, 50/60 Hz DC: 198 V - 10% ... 250 V + 10% Option: 110 V - 10% ... 127 V + 15%
Working frequency			approx. 30 kHz
Rated current	at 230 V/50 Hz 1 x 20 W 2 x 20 W 1 x 40 W 2 x 40 W		at 230 V/50 Hz
	inductive 0,38 A 0,76 A 0,54 A 1,08 A		1 x 18/20 W 1 x 36/40 W 1 x 58/65 W 0,1 A 0,18 A 0,25 A
	compensated – – 0,24 A 0,48 A		2 x 18/20 W 2 x 36/40 W 2 x 58/65 W 0,18 A 0,33 A 0,49 A
	Dual circuit – 0,26 A – 0,52 A		
Power factor cos φ	at 230 V, 50 Hz 1 x 20 W 2 x 20 W 1 x 40 W 2 x 40 W		cos φ = 0,98 capacitive additional compensation not required
	inductive 0,32 0,28 0,46 0,5		
	compensated – – 0,95 0,95		
	Dual circuit compensated – 0,98 – 0,98		
Ambient temperature	– 15 °C ... + 40 °C		– 20 °C ... + 50 °C (+ 40 °C: 20 W → T6)
Fitting efficiency	broad bowl 1 x 20 W 2 x 20 W 1 x 40 W 2 x 40 W 83% 76% 83% 76%		broad bowl 1 x 18/20 W 1 x 36/40 W 1 x 58/65 W 83% 83% 83% 2 x 18/20 W 2 x 36/40 W 2 x 58/65 W 76% 76% 76%
Material	Polyester resin, white glass fibre reinforced, colour similar to RAL 9010		
Enclosure	Polycarbonate; protective paint available		
Cover	Polyurethane gasket foamed into cover		
Gasket			

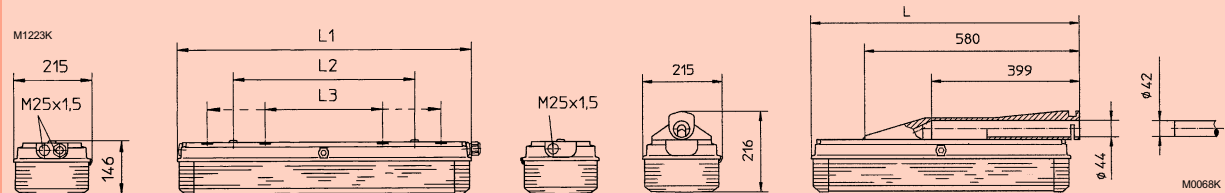
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Technical data (Continuation)				
Version	with inductive ballasts	with electronic ballasts single or double channels		
Protection class	I (with internal PE connection terminal)			
Degree of protection	IP 66 / IP 67			
Cover lock	Central locking using socket spanner M8/SW13; cover hinged for access			
Light guides	Standard: broad bowl, inside of light fitting painted white, colour: signal white, RAL 9003; cover side is anti-glare. Special: additional broad deep-bowl reflector (easily mounted) semi-polished aluminium.			
Connections	Standard: Polyamide terminal block with cover Marking: L1 + N + PE; Connection range: max. 2 x 6 mm ² (solid); 2 x 4 mm ² (flexible) Special: Polyamide terminal block with additional connection points for through wiring. 3-pole (terminal marking: L1 + N + PE) 5-pole (terminal marking: L1 + L2 + L3 + N + PE)			
Cable entries	Standard: 1 cable gland 8161, M25 x 1,5 and 2 plugs 8290, M25 x 1,5 Special: 8161/8290: PG16, M20 Metal cable glands: M20; M25 Metal cable gland earthing via metal adapter plates Pole-mounting fitting with factory fitted pole mounting sleeve; cable gland 8161 M32 x 1,5 if pole-mounting sleeve is added later; use standard fitting cable glands			
Disconnection 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. If lamp is faulty, power supply is automatically switched off by electronic ballast of the lamps			
Luminous intensity distribution	<p>Z3015P</p>		<p>Z3016P</p>	
Light fitting version	1 lamp without reflector	1 lamp with reflector	2 lamp without reflector	2 lamp with reflector
Class acc. to LitG	B21	B31	B31	B31

Technical data (Continuation)		
Version	with inductive ballasts	with electronic ballasts single or double channels
Installation note		
Standard fitting		
Looping through of cable	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	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 on p. 7/15.	
Mounting	Wiring cross-section 2,5 mm ² for max. 16 A. Pendant (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 20 W: 312 ... 465 mm; 40 W/65 W: 670 ... 865 mm)	
Pole-mounting fitting		
Mounting	On sleeve \varnothing 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. If pole sleeve is retro fitted, entry as for standard fitting.	

Dimensions (in mm)



Dimensions

	Light fittings		
	18/20 W	36/40 W	58/65 W
L1	700	1310	1610
L2 ¹⁾	400	800	800
L3 ²⁾	312 ... 465	670 ... 865	670 ... 865

¹⁾ fixed mounting distance

²⁾ variable mounting distance

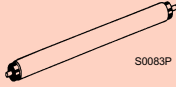
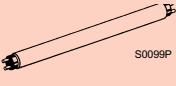

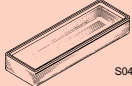
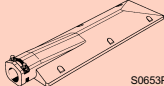

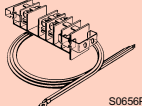
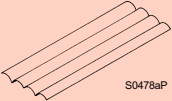
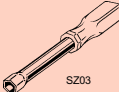
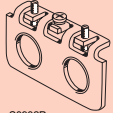
EXLUX 6000 and EXLUX 6400 Standard fitting

Dimensions

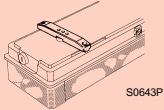
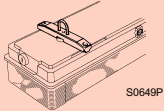
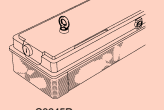
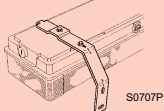
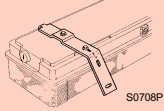
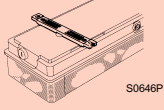
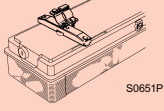
	Light fittings	
	18/20 W	36/40 W
L	724	1334

EXLUX 6000 and EXLUX 6400 Pole-mounting fitting

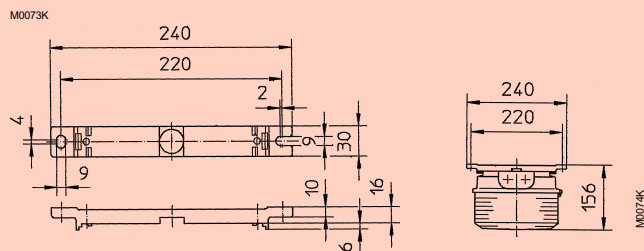


Accessories and spare parts						
Designation	Illustration	Description	Ordering code	Weight [kg]		
Fluorescent tube		Single-pin socket \varnothing 38 mm Colour of light: white	TL-X 20 W/33 1000 lm	512 602 0	0,16	
			TL-X 40 W/33 2350 lm	512 603 0	0,30	
			TL-X 65 W/33 4600 lm	512 650 0	0,36	
		Two-pin socket \varnothing 26 mm Colour of light: white	L 18 W/25 1100 lm	461 722 0	0,10	
			L 36 W/25 2600 lm	461 721 0	0,20	
			L 58 W/25 4100 lm	461 720 0	0,25	
Wall-mounting bracket		for pole-mounting fitting; with conduit length 400 mm dia. 42 mm	461 717 0	2,30		
Plastic cover		for light fitting	18/20 W	60 000 27 05 0	1,20	
			36/40 W	60 000 28 05 0	2,12	
			58/65 W	60 000 29 05 0	2,70	
Pole-mounting sleeve		for retro-fitting to lights 18/20 W and 36/40 W, complete with mounting accessories	60 008 01 75 0	2,20		
Switch		Switch element 8080/1-3-L 20e	80 800 06 60 0	0,025		
Mounting kit for through wiring		for retro-fitting to standard fitting	L1 + L2 + L3 + N + PE DV5 18 W/20 W	60 008 12 87 0	0,4	
			(5 x 2,5 mm ² ; max. 16A)	36 W/40 W	60 008 14 87 0	0,4
				58 W/65 W	60 008 16 87 0	0,4
Reflectors		for retro-fitting, broad deep-bowl	for single-lamp fittings	18 W/20 W	60 009 10 58 0	0,08
				36 W/40 W	60 009 11 58 0	0,18
				58 W/65 W	60 009 12 58 0	0,22
		for two-lamp fittings	18 W/20 W	60 009 07 58 0	0,12	
			36 W/40 W	60 009 08 58 0	0,26	
			58 W/65 W	60 009 09 58 0	0,32	
Socket spanner M8/SW 13		for use with central interlock	81 980 05 40 0	0,13		
Adapter plates		for earth continuity when using metal glands	1 x M20 x 1,5	60 008 15 55 0	0,07	
			1 x M25 x 1,5	60 008 16 55 0	0,07	
			1 x NPT 1/2"	60 008 17 55 0	0,07	
			1 x NPT 3/4"	60 008 18 55 0	0,07	
			2 x M20 x 1,5	60 008 19 55 0	0,06	
			2 x M25 x 1,5	60 008 20 55 0	0,06	
2 x NPT 1/2"	60 008 21 55 0	0,06				

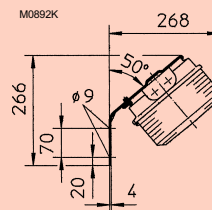
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Accessories and spare parts				
Designation	Illustration	Description	Ordering code	Weight [kg]
Mounting rail		1 pair for variable mounting distance	60 008 02 75 0	0,32
Mounting clamp		1 pair can only be fitted with mounting rail (order no. 60 008 02 75 0)	60 008 02 18 0	0,10
Ring bolts M8		1 pair can be fitted directly into inserts	60 008 03 90 0	0,11
Wall-mounting bracket 90°		1 pair Material: stainless steel	60 008 02 44 0	1,40
Wall-mounting bracket 50°		1 pair Material: stainless steel	60 008 01 44 0	1,20
Ceiling clip bracket		1 pair	60 008 03 75 0	0,28
Pipe clamp		1 pair with mounting rail for variable fitting distance Material: stainless steel R 1 1/2" R 2"	60 008 01 26 0 60 008 02 26 0	1,31 1,40

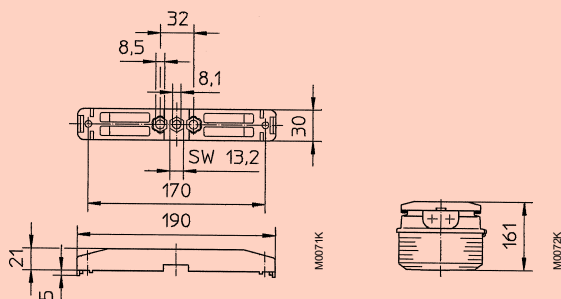
Dimensions (in mm)



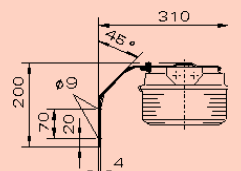
Ceiling bracket



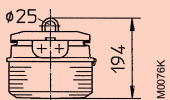
Wall-mounting bracket 50°



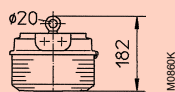
Mounting bracket



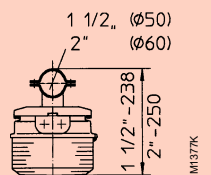
Wall-mounting bracket 90°



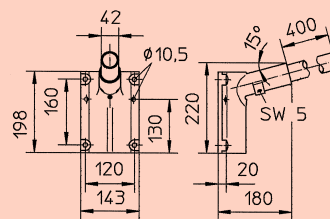
Mounting clamp fitted in mounting rail



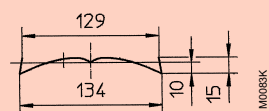
Ring bolt M8, fitted into inserts



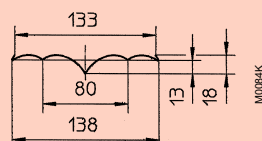
Pipe clamp, fitted in mounting rail



Wall-mounting bracket with conduit



for 1-lamp fittings



for 2-lamp fittings

Reflectors, broad deep bowl

Reflector for fitting	Length in mm
18/20 W	554
36/40 W	1164
58/65 W	1464

Mounting accessories for light fittings, Series EXLUX 6000, 6400, 6008, 6408

