

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400



www.stahl.de



00280E00

- > As pendant light fitting or side entry lamp
- > Version with 1 or 2 lamps: 18 W, 36 W and 58 W
- > Central locking
- > All-pole disconnection by means of an N/C switch when the lamp is opened
- > End of life switch 1 and 2 (only 6000)

E2



The lights of the Series **EXLUX 6000** and **EXLUX 6400** can be used for normal lighting but also for an emergency light which is supplied with current via a group or a central system.

	ATEX / IECEx / GOST						NEC 505						NEC 506						NEC 500						
	0	1	2	20	21	22	Class I			Class II			Class III			Class I		Class II		Class III					
Zone							0	1	2	20	21	22	0	1	2	20	21	22	Division	1	2	1	2	1	2
EXLUX 6000 For use in:		x	x		x	x		x	x					x	x				EXLUX 6000 For use in:		x	x	x	x	x
EXLUX 6400 For use in:			x ¹⁾		x ¹⁾	x ¹⁾			x						x				EXLUX 6400 For use in:		x	x	x	x	x





¹⁾ ATEX

WebCode 6000A

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Selection Table

Version	Lamp wattage W	Number of lamps	Electronic ballast	Order number	Weight kg
Light Fittings for Fluorescent Lamps (Zone 1) Series 6000  01968E00	18	1	1 channel EB	6000/521-8..1-013.	4.500
		2	2 channel EB	6000/522-9..1-013.	6.800
	36	1	1 channel EB	6000/541-8..1-013.	7.300
		2	2 channel EB	6000/542-9..1-013.	9.100
	58	1	1 channel EB	6000/561-8..1-013.	10.200
		2	2 channel EB	6000/562-9..1-013.	10.800
Side entry lamp (Zone 1) Series 6000  01962E00	18	1	1 channel EB	6000/821-8081-0130	6.200
		2	2 channel EB	6000/822-9081-6130	8.000
	36	1	1 channel EB	6000/841-8081-0130	9.600
		2	2 channel EB	6000/842-9081-0130	9.600
Light Fittings for Fluorescent Lamps (Zones 2, 21, 22) Series 6400  01968E00	18	1	1 channel EB	6400/521-8..0-213.	4.100
		2	2x 1 channel EB	6400/522-9..0-213.	4.200
	36	1	1 channel EB	6400/541-8..0-213.	6.900
		2	2x 1 channel EB	6400/542-9..0-213.	7.000
	58	1	1 channel EB	6400/561-8..0-213.	8.700
		2	2x 1 channel EB	6400/562-9..0-213.	8.800
Side entry lamp (Zones 2, 21, 22) Series 6400  01962E00	18	2	2 channel EB	6400/822-9080-6130	6.300
	36	2	1 channel EB	6400/841-8080-0130	9.100

Order Number Supplement

Through wiring	without	6000/.....0.....	
	with 3 conductors	6000/.....3.....	
	with 5 conductors	6000/.....5.....	
Cable glands	Standard 1 x M25 x 1.5 cable gland and 2 x M25 x 1.5 stopping plugs	6000/.....1.....	
	Special Specify non-standard gland parts	6000/.....9.....	
Monitoring module	without	6000/.....0	6.900
	6048/131-02 address component (STAHL)	6000/.....2	9.000
EB with extended voltage range	for 110 ... 240 V (only 18 and 36 W)	6000/.....4....	
	for 120 ... 277 V (17, 32 and 40 W NEC standard)	6000/.....8....	

Note

The lights are delivered without fluorescent lamps and assembly parts. These parts must be ordered separately!

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Explosion Protection

Global (IECEx)		
Version	EXLUX 6000 (Zone 1, 2, 21, 22)	EXLUX 6400 (Zones 2, 21, 22)
Gas and dust	IECEx PTB 05.0018 Ex d e IIC T4 Ex tD A21 IP65 T80°C / T90°C	
Europe (ATEX)		
Version	EXLUX 6000 (Zone 1, 2, 21, 22)	EXLUX 6400 (Zones 2, 21, 22)
Gas	PTB 97 ATEX 2031 ⊕ II 2 G Ex d e IIC T4	SNCH 03 ATEX 3517 ⊕ II 3 G EEx nA II T6 (T4 bei Ta = 55°C) at 18 W ⊕ II 3 G EEx nA II T4 bei 36 und 58 W
Dust	PTB 97 ATEX 2031 ⊕ II 2 D Ex tD A21 IP 65 T80°C / T90°C	Zone 21: SNCH 03 ATEX 3516 Zone 22: SNCH 03 ATEX 3517 ⊕ II 2 D IP66 T80°C ** T95°C at Ta ≤ 55°C
Certificates and approvals		
Version	EXLUX 6000 (Zone 1, 2, 21, 22)	EXLUX 6400 (Zones 2, 21, 22)
Certificates	IECEx, ATEX, Brazil (UL do Brasil), India (PESO), Canada (CSA), Kazakhstan (GOST-K), Russia (GOST-R), Ukraine (GOST-U), USA (FM), Belarus (GOST-B), Serbia (IZP), Korea KGS), China (CQST)	ATEX, Canada (CSA), USA (FM)
Other approvals	ship approval (GL)	
Further parameters		
Marking (CE)	CE 0158	CE 0158

Technical Data

Electrical data		
Version	EXLUX 6000 (Zone 1, 2, 21, 22)	EXLUX 6400 (Zones 2, 21, 22)
Rated voltage		
Electronic ballast	AC: 220 (- 10%) ... 240 (+ 10%) V, 50 / 60 Hz DC: 198 ... 254 V / 1 lamp: 176 ... 264 V	
EB with extended voltage range	6000/...-...-4... (18 and 36 W lamps) AC: 110 (- 10%) ... 240 (+ 10%) V, 50 / 60 Hz DC: 104 ... 264 V 6000/...-...-8... (17, 32 and 40 W NEC lamps) AC: 120 (- 10%) ... 277 (+ 10%) V, 50 / 60 Hz DC: 113 ... 294 V	
Nominal operational current	for lights of the versions IEC 60081 18 W 36 W 58 W with 1 lamps 0.08 A 0.16 A 0.25 A with 2 lamps 0.17 A 0.32 A 0.50 A ANSI C78.1 17 W 32 W 40 W with 1 lamps 0.15 A 0.28 A 0.36 A with 2 lamps 0.30 A 0.56 A 0.72 A	for lights of the versions 18 W 36 W 58 W with 2 0.18 A 0.33 A 0.49 A lamps
Power factor cos φ	cos φ ≥ 0.97 capacitive; no additional compensation required	cos φ ≥ 0.97 capacitive; no additional compensation required
Disconnection of the light	When opening the light Switch with safety lock; when opening the central lock, all poles of the voltage supply to the ballast are disconnected; contacts of the switching element are NC contacts, they can only be switched on again when the lamp cover and the central locking system are closed. In case of a lamp fault , the electronic ballast disconnects the defective lamp from the power supply.	In case of a lamp fault , the electronic ballast disconnects the defective lamp from the power supply.
End of life switch	The electronic ballast, type 6042/9.-. fulfills the requirements according to IEC 61347-2-3 (simulation of the "end of life effect" of fluorescent lamps, "asymmetric pulse test 1" and "asymmetric power test 2" correspond to the test conditions in the draft IEC 60079-7 ed.4 appendix H).	

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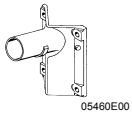

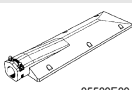
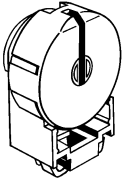
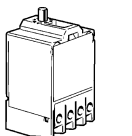
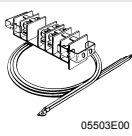


Technical Data

Through wiring	Looping of the cables	Standard light On the connection side, there are two possibilities M25 x 1.5 for the looping of the connecting line (entry and exit on one side), also possible with lights subsequently fitted with pole mount adapter.
	Through wiring	Standard light Lights are available with internal through wiring. Entry and exit holes for connecting cables are positioned on the opposite sides. A through-wiring kit can be installed later (see accessories). Terminals: see Technical data. Wiring cross-section 2.5 mm ² for max. 16 A
Assembly	For outdoor installation, a breathing gland is recommended	
	Standard light	
	Standard:	2 x M8 insert nuts in the enclosure
	Special:	Mounting grooves in the enclosure for the use of fastening and ceiling rails for variable light installation (variable mounting distances for lights 18 W (17 W): 312 ... 465 mm; 36 W (32 W)/ 58 W (40 W): 670 ... 865 mm) A pole mount adapter can also be fitted to the standard light
Side entry lamp		
The light is mounted on a tube adapter, diameter 42 mm, and fixed by means of a clamp. The pole mount adapter is mounted in factory; it is also possible to install it later on the standard light.		
Insertion of the connecting cable		
Factory-mounted pole mount adapter:		The cable is led through the pole mount adapter into the light. The cable is sealed by means of a gland M32 x 1.5.
When the pole mount adapter is mounted subsequently:		use the cable gland of the standard light
Monitoring module		
Function	Monitoring and switching module for emergency light systems according to VDE 0108: The module is used for the monitoring of individual lights and for the control of network and safety lights. The module offers the following functions: <ul style="list-style-type: none"> • Control of the light (ON / OFF) and function test • Up to 20 addresses can be set for each electric circuit by means of a coding switch • The operating mode of the lamp (continuous light, stand-by light or activation by means of a switch) is freely programmable • Mixed operation within one circuit is possible (Input between L+ and N-)	
Input voltage	U _N 230 (+ 10 % / - 15 %) V AC, 50 Hz U _{DC} 175 ... 275 V DC	
Control input	(between L and N) U _N 230 (+ 10 % / - 15 %) V AC, 50 Hz	
Connected power (output to light)	P 4 ... 100 W	
Ambient temperature	T _{a (Module)} - 10 ... + 50 °C	
Dimensions	L x W x H = 95 x 40 x 32 mm	

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Accessories and Spare Parts

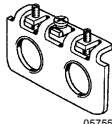
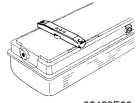
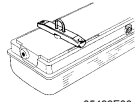

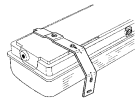
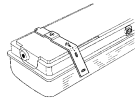
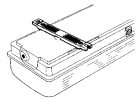


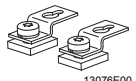
Designation	Illustration	Description	Art. no.	Weight kg	
Fluorescent lamps	 04936E00	Two-pin cap \varnothing 26 mm Light colour: universal white		0.000	
		18 W 1350 lm	108952	0.100	
		36 W 3350 lm	108951	0.200	
		58 W 5200 lm	108950	0.220	
Bracket for wall mounting with tube	 05460E00	for side entry lamp; with tube, length 400 mm, \varnothing 42 mm	108947	2.480	
Lamp cover	 05329E00	for lamp 18 W	115814	0.800	
		for lamp 36 W	115817	1.500	
		for lamp 58 W	115820	1.800	
Pole mount adapter	 05500E00	for the subsequent mounting on lights 18 W and 36 W, completely with assembly parts	115698	2.100	
Lamp-holder	 05696E00	Lamp holder G13	1 piece	117252	0.025
Switch	 10809E00	Switching element 8080/1-3-L, 2 normally closed contacts	132527	0.025	
Mounting kit for through wiring	 05503E00	for the subsequent installation in standard lamps DV 5 with 5 conductors, 2,5 mm ² for max. 16 A; L1, L2, L3, N, PE		0.000	
		for lights 18 W	115806	0.400	
		for lights 36 W	115813	0.400	
		for lights 58 W	115819	0.440	
		DV3; screwed terminals 3 x 2.5 mm ² , max. 16 A L1 + N + PE		0.000	
		for lights 18 W	115802	0.200	
for lights 36 W	115810	0.240			
for lights 58 W	115816	0.260			
Reflectors	 05324E00	for later installation; broad deep bowl		0.000	
		for lights with one lamp 18 W	115694	1.103	
		for lights with one lamp 36 W	115731	2.079	
		for lights with one lamp 58 W	115757	2.079	
		for lights with two lamps 18 W	115716	1.105	
		for lights with two lamps 36 W	115745	2.070	
for lights with one lamp 58 W	115767	1.985			
Socket key	 05321E00	M8 / wrench size 13; to open/close the central locking	140486	0.126	

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Accessories and Spare Parts

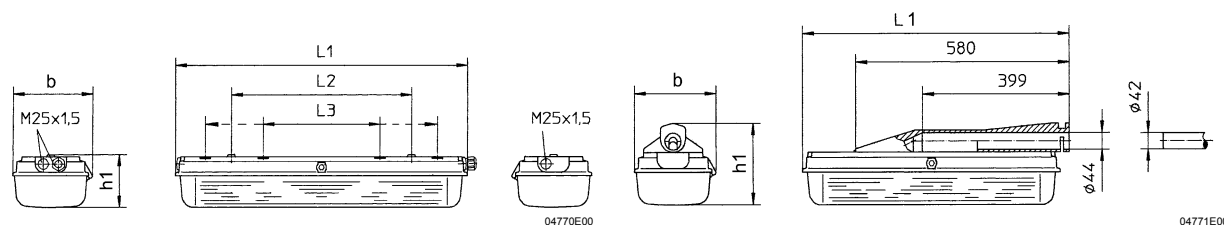
Designation	Illustration	Description	Art. no.	Weight kg	
Adapter plates	 05755E00	for use together with metal cable glands; the metal cable glands are integrated in the earthing system via adapter plates		0.000	
		1 x M20 x 1.5	1 piece	115815	0.070
		1 x M25 x 1.5	1 piece	115818	0.070
		1 x NPT 1/2"	1 piece	115821	0.070
		1 x NPT 3/4"	1 piece	115824	0.070
		2 x M20 x 1.5	1 piece	115826	0.060
		2 x M25 x 1.5	1 piece	115828	0.060
Mounting rail	 05490E00	for a variable mounting distance	1 pair	115719	0.330
Mounting bracket	 05496E00	Mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	115777	0.400	
Ring bolt	 05378E00	M8, direct mounting in insert nuts, 1 pair	115736	0.120	
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	
Top rail	 05493E00	for ceiling suspension of the lamp 1 pair	115733	0.280	
Pipe clamp	 09402E00	with mounting rail for a variable mounting distance; Material: stainless steel 1 pair		0.000	
		R 1 1/2"	115690	1.250	
		R 2"	115711	1.370	
Breathing gland	 05703E00	M25 x 1.5 in order to avoid condensate formation	115738	0.020	
Safety device	 13076E00	∅ ∅	203914	0.167	

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



Dimensions in mm	Light		
	18 W	36 W	58 W
L1	700	1310	1610
L2 ¹⁾	400	800	800
L3 ²⁾	312 ... 465	670 ... 865	670 ... 865
b	221	221	221
h1	143	143	143

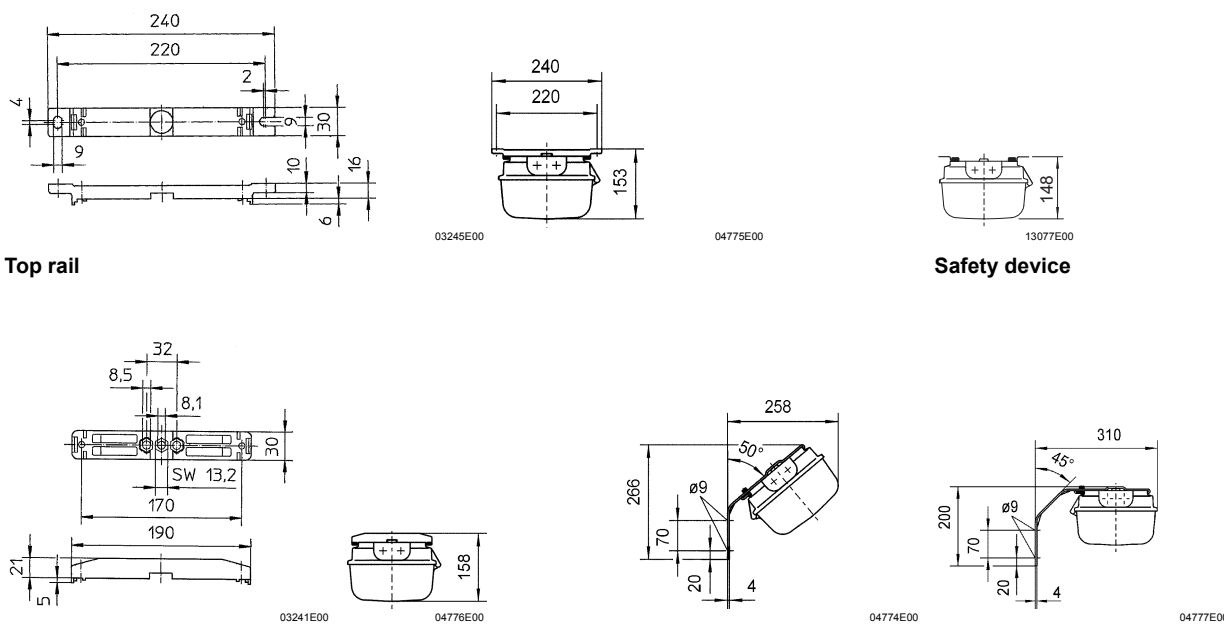
Dimensions in mm	Light	
	18 W	36 W
L1	724	1334
b	221	221
h1	213	213

¹⁾ fixed mounting distance
²⁾ variable mounting distance

EXLUX 6000 und EXLUX 6400 Standard Light

EXLUX 6000 und EXLUX 6400 Side Entry Lamp

Dimensional Drawings for Assembly Parts and Accessories (All Dimensions in mm) - Subject to Alterations



Top rail

Safety device

Mounting rail

Wall mounting bracket 50°

Wall mounting bracket 90°

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Dimensional Drawings for Assembly Parts and Accessories (All Dimensions in mm) - Subject to Alterations

Mounting bracket fitted in fixing bracket 04778E00

Ring bolt fitted in the insert nuts of the light 04700E00

Pipe clamp fitted in the fixing bracket 04701E00

Bracket for wall mounting with pipe section 03257E00

Reflector for light	Reflector length in mm
18 W	554
36 W	1164
58 W	1464

for lights with one lamp 03260E00

for lights with two lamps 03262E00

Reflectors

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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.