

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 | Zone | 0 | 1 | 2 | 20 | 21 | 22 | Division | 1 | 2 | 1 | 2 | 1 | 2 | | | | |
| EXLUX 6000 For use in: | | x | x | | x | x | EXLUX 6000 For use in: | | x | x | | | | | EXLUX 6000 For use in: | | x | x | x | x | x | x | | |
| EXLUX 6400 For use in: | | | x ¹⁾ | | x ¹⁾ | x ¹⁾ | EXLUX 6400 For use in: | | | x | | | | | EXLUX 6400 For use in: | | x | x | x | x | x | x | | |





¹⁾ ATEX

WebCode 6000A

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400

Selection Table

| Version | Lamp wattage W | Number of lamps | Electronic ballast | Order number | Weight kg |
|--|-------------------|-----------------|--------------------|---------------------------|--------------|
| Light Fittings for Fluorescent Lamps (Zone 1) Series 6000  <small>01968E00</small> | 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  <small>01962E00</small> | 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  <small>01968E00</small> | 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  <small>01962E00</small> | 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!

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400



E2

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). | |

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400



E2


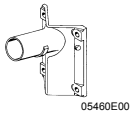

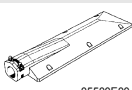
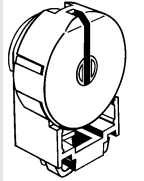
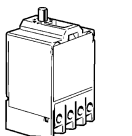
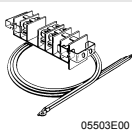


Technical Data

| | |
|-------------------|---|
| Through wiring | <p>Looping of the cables</p> <p>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.</p> <p>Through wiring</p> <p>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 mm² for max. 16 A</p> |
| Assembly | <p>For outdoor installation, a breathing gland is recommended</p> <p>Standard light</p> <p>Standard: 2 x M8 insert nuts in the enclosure</p> <p>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)</p> <p>A pole mount adapter can also be fitted to the standard light</p> <p>Side entry lamp</p> <p>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.</p> <p>Insertion of the connecting cable</p> <p>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.</p> <p>When the pole mount adapter is mounted subsequently: use the cable gland of the standard light</p> |
| Monitoring module | <p>Function</p> <p>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:</p> <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 <p>Input voltage (Input between L+ and N-)</p> <p>U_N 230 (+ 10 % / - 15 %) V AC, 50 Hz</p> <p>U_{DC} 175 ... 275 V DC</p> <p>Control input (between L and N)</p> <p>U_N 230 (+ 10 % / - 15 %) V AC, 50 Hz</p> <p>Connected power (output to light)</p> <p>P 4 ... 100 W</p> <p>Ambient temperature</p> <p>T_{a (Module)} - 10 ... + 50 °C</p> <p>Dimensions</p> <p>L x W x H = 95 x 40 x 32 mm</p> |

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400

Accessories and Spare Parts

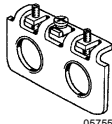
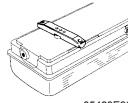
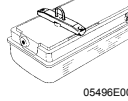

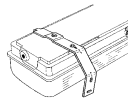
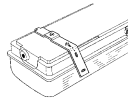
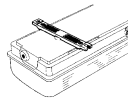
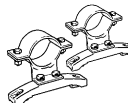

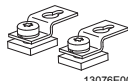
| Designation | Illustration | Description | Art. no. | Weight kg | |
|-------------------------------------|---|--|---------------|---------------|-------|
| Fluorescent lamps |  04936E00 | Two-pin cap \varnothing 26 mm Light colour: universal white | | 0.000 | |
| | | 18 W 1350 lm | 108952 | 0.100 | |
| | | 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 |  05686E00 | 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 | |

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400



Accessories and Spare Parts

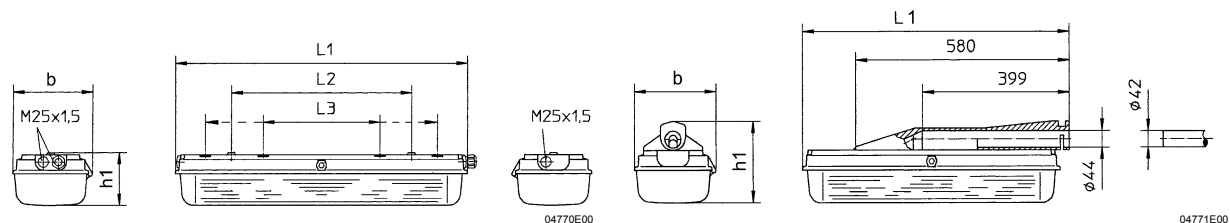
| Designation | Illustration | Description | Art. no. | Weight kg | |
|---------------------------|---|---|---------------|---------------|-------|
| Adapter plates |  05755E00 | for use together with metal cable glands; the metal cable glands are integrated in the earthing system via adapter plates | | 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 | |

E2

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400

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 |

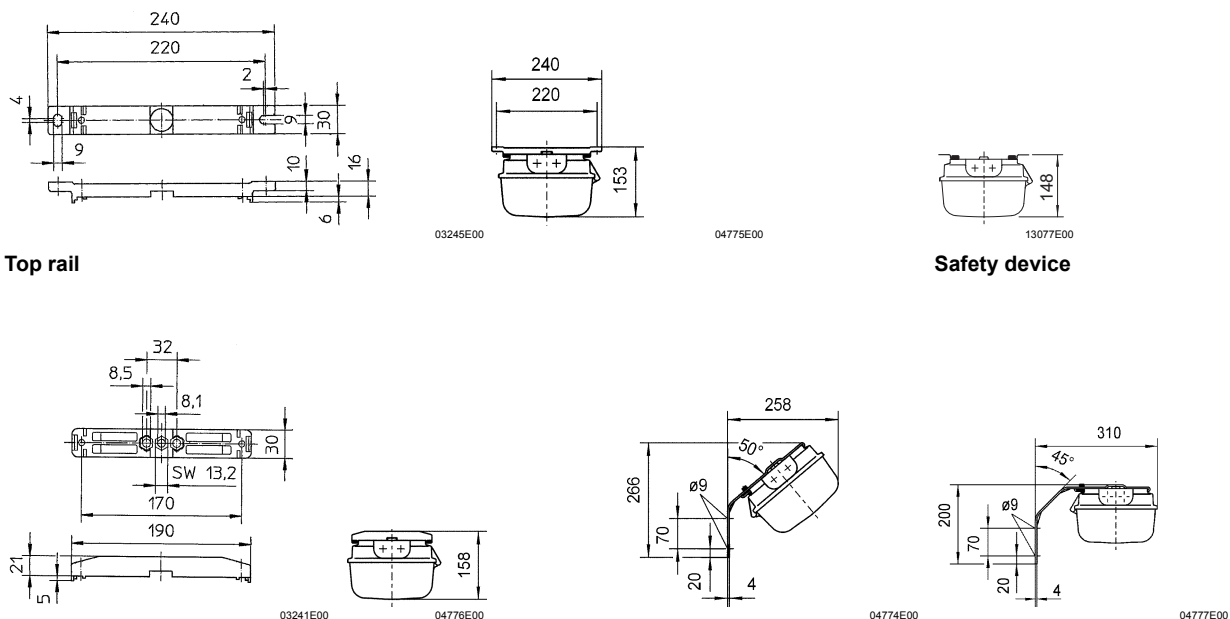
| Dimensions in mm | Light | |
|------------------|-------|------|
| | 18 W | 36 W |
| L1 | 724 | 1334 |
| b | 221 | 221 |
| h1 | 213 | 213 |

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°

Light Fittings for Fluorescent Lamps

Series EXLUX 6000 / 6400



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

Mounting bracket fitted in fixing bracket (04778E00)
 Dimensions: $\phi 25$, 191

Ring bolt fitted in the insert nuts of the light (04700E00)
 Dimensions: $\phi 20$, 179

Pipe clamp fitted in the fixing bracket (04701E00)
 Dimensions: 1 1/4" ($\phi 42$), 1 1/2" ($\phi 48$), 2" ($\phi 60$), 1 1/2"-235, 2"-247

Bracket for wall mounting with pipe section (03257E00)
 Dimensions: 42, $\phi 10.5$, 15°, SW 5, 198, 160, 120, 143, 130, 220, 20, 180, 104, 90°

Reflectors

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

for lights with one lamp (03260E00)
 Dimensions: 129, 134, 10, 15

for lights with two lamps (03262E00)
 Dimensions: 133, 80, 138, 13, 18

E2

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.