

LED

IP 66



- Central locking with internal switch
- Through-wiring
- LED modules with innovative encapsulation
- Estimated service life up to 70 000 hours
- High color rendering index CRI 80
- With OVP, OCP, OTP protection
- Autonomous reactivation after recovery
- Color temperature: 4300K / other CCT on request
- DALI for controlling and monitoring the luminaire on request

PSF LED



CONSTRUCTION

Enclosure: SMC polyester plastic reinforced with glass fiber, color RAL 7038

Diffuser: PC polycarbonate plastic

Gasket: silicone

Central locking: can be opened/closed using a socket key SW8, hinged lamp cover

The light fitting is normally supplied with socket key, two Ex eb cable glands M25, two Ex eb plugs M25 and with mounting set PSF 30-110

TECHNICAL DATA

| | |
|---|---|
| Certificate: | FIDI 19 ATEX 0029 FIDI 19 ATEX 0029/1 |
| Marking: | 0722 |
| Apparatus category: | II 2GD, I M2 (for PSF 28 LED-M) |
| Marking of explosion protection: | Ex db eb mb op is IIC T4 Gb Ex tb op is IIIA/IIIC T80°C Db Ex db eb mb I Mb (for PSF 28 LED) |
| Ambient temperature: | -30°C (-20°C) ≤ T _a ≤ +55°C -30°C (-20°C) ≤ T _a ≤ +40°C |
| Degree of protection: | IP 66 category 1 |
| Resistance to shock: | IK 08 |
| Protection class : | I (protective earthing) |
| Rated voltage: | 110-240 VAC , 220-250 VDC |
| Frequency: | 50/60 Hz |
| Rated power: | See model code table |
| Estimated service life: | L70B10C10: T _{amb max} 35 000 h T _{amb max -10°C} 60 000 h T _{amb max -20°C} 70 000 h |
| Connecting terminals: | L1, L2, L3, N, PE - max. 2,5 mm ² |
| Cable entry: | Two entries Ex eb M25x1,5 for cable diameters Ø7-15 mm, and two Ex eb plugs |
| Packing: | The packing contains: 1 pcs PSF 70 LED: 1700 x 290 x 180 mm PSF 52 LED: 1450 x 290 x 150 mm PSF 28 LED: 800 x 290 x 150 mm |

Linear LED light fitting

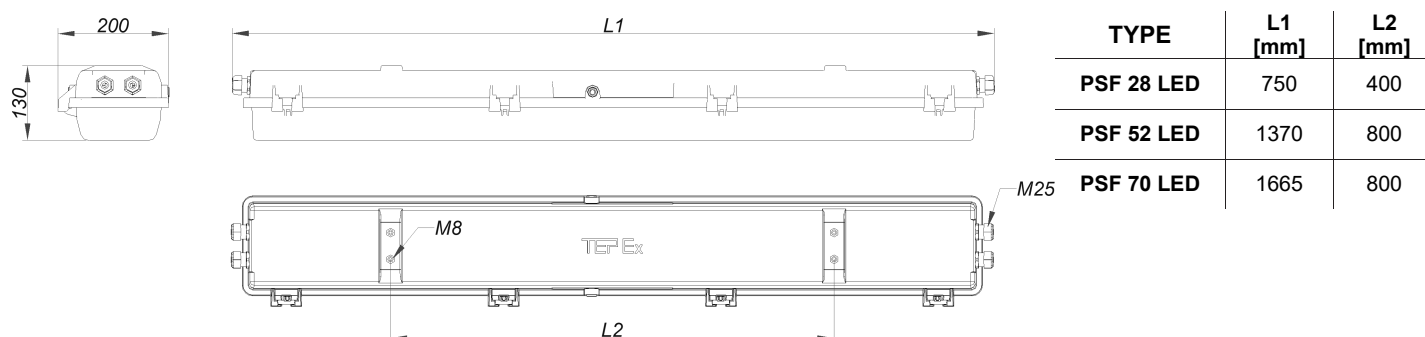
MODEL CODE

| MODEL CODE | Power consumption [W] | Voltage [V] | Light fitting Luminous flux [lm] | System efficacy [lm/W] | AMBIENT TEMP. | WEIGHT [kg] |
|--------------|-----------------------|----------------------------|----------------------------------|------------------------|---|-------------|
| PSF 28 LED-2 | 37 W | 100-305 VAC 142-431 VDC | 4200 lm | 109-113 | $-30^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ | 8,0 |
| PSF 52 LED-2 | 70 W | | 7710 lm | | | 12,0 |
| PSF 70 LED-2 | 90 W | | 9030 lm | | $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ | 14,0 |

Version for the ambient temperature $T_a \leq +55^{\circ}\text{C}$

| | | | | | | |
|--------------|------|----------------------------|---------|---------|---|------|
| PSF 28 LED-1 | 28 W | 100-305 VAC 142-431 VDC | 3183 lm | 109-113 | $-30^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ | 8,0 |
| PSF 52 LED-1 | 52 W | | 5706 lm | | | 12,0 |
| PSF 70 LED-1 | 70 W | | 7710 lm | | $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ | 14,0 |

DIMENSION DRAWING (mm)

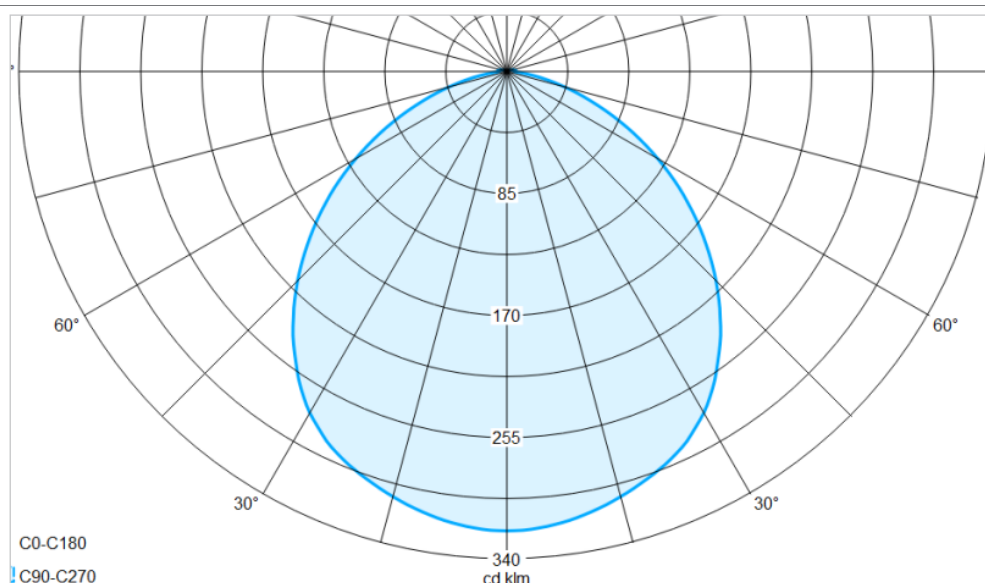


SPARE PARTS AND ACCESSORIES

| SKETCH | DESCRIPTION | CODE | SKETCH | DESCRIPTION | CODE |
|--------|------------------------------------|--|--------|---|------------|
| | Diffuser PSF | PSF 218 10-110 PSF 236 20-110 PSF 258 30-110 | | PSF Wall / Ceiling mounting set | PSF 30-110 |
| | Gasket PSF | PSF 218 10-120 PSF 236 20-120 PSF 258 30-120 | | PSF Pole mounting set | PSF 30-120 |
| | Internal reflector with LED module | LEDEx 03/28-1 LEDEx 03/28-2 LEDEx 03/52-1 LEDEx 03/52-2 LEDEx 03/70-1 LEDEx 03/70-2 | | PSF Wall / Ceiling mounting set | PSF 30-130 |
| | LED driver | DRIVEx 01/28-1 DRIVEx 01/28-2 DRIVEx 01/52-1 DRIVEx 01/52-2 DRIVEx 01/70-1 DRIVEx 01/70-2 | | Pendant mounting set | PSF 30-150 |
| | LED diffuser | PSF 28 LED 30-180 PSF 50 LED 30-181 PSF 70 LED 30-182 | | Socket key SW8 | PSF 20-160 |
| | Flexible mounting kit for PSF LED | PSF 52 LED 30-190 PSF 28 LED 30-191 PSF 70 LED 30-192 | | Metal cable glands for armoured cable M25 | PSF 30-160 |

All technical data is relevant at the time of print.

POLAR CURVE



MOUNTING

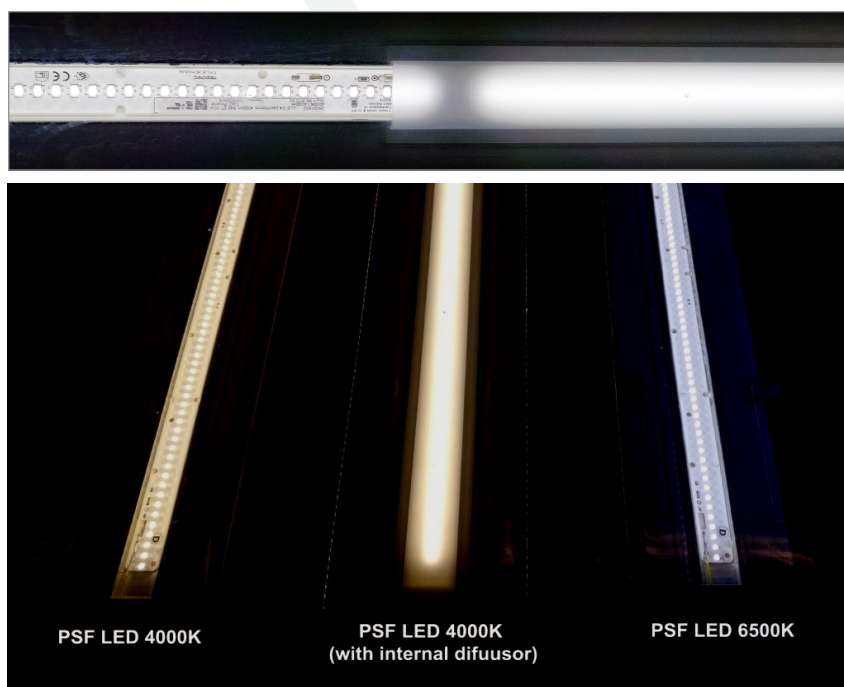
Pendant, on pole, wall, ceiling



Flexible mounting kit for PSF LED



Linear LED without and with LED diffuser





All technical data is relevant at the time of print.