

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

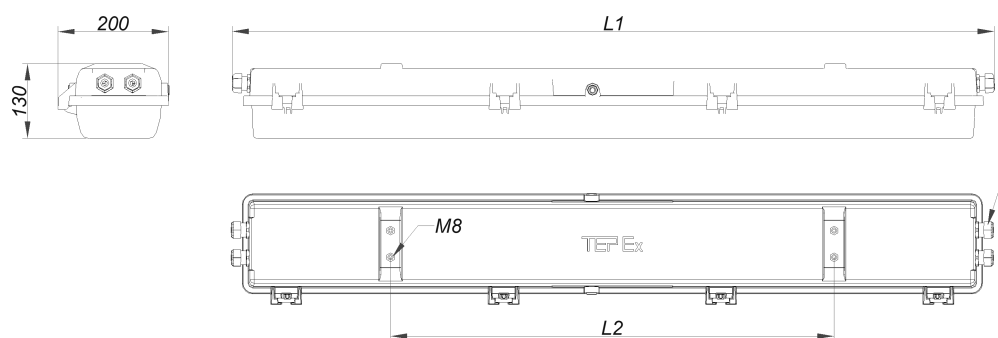
Certificate:	FIDI 19 ATEX 0029 FIDI 19 ATEX 0029/1
Marking:	0722
Apparatus category:	II 2GD, I M2 (for PSF 28 LED-M)
Marking of explosion protection:	Ex db eb mb op is IIC T4 Gb Ex tb op is IIIA/IIIC T80°C Db Ex db eb mb I Mb (for PSF 28 LED)
Ambient temperature:	-30°C (-20°C) ≤ T _a ≤ +55°C -30°C (-20°C) ≤ 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

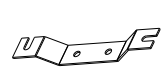
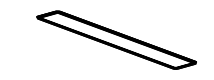
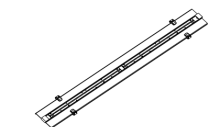
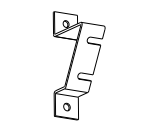
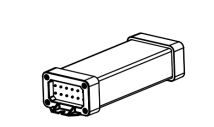
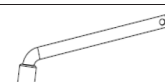
MODEL CODE

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°C ≤ T _a ≤ +40°C	8,0
PSF 52 LED-2	70 W		7710 lm			12,0
PSF 70 LED-2	90 W		9030 lm		-20°C ≤ T _a ≤ +40°C	14,0
Version for the ambient temperature Ta ≤ +55°C						
PSF 28 LED-1	28 W	100-305 VAC 142-431 VDC	3183 lm	109-113	-30°C ≤ T _a ≤ +55°C	8,0
PSF 52 LED-1	52 W		5706 lm			12,0
PSF 70 LED-1	70 W		7710 lm		-20°C ≤ T _a ≤ +55°C	14,0

DIMENSION DRAWING (mm)

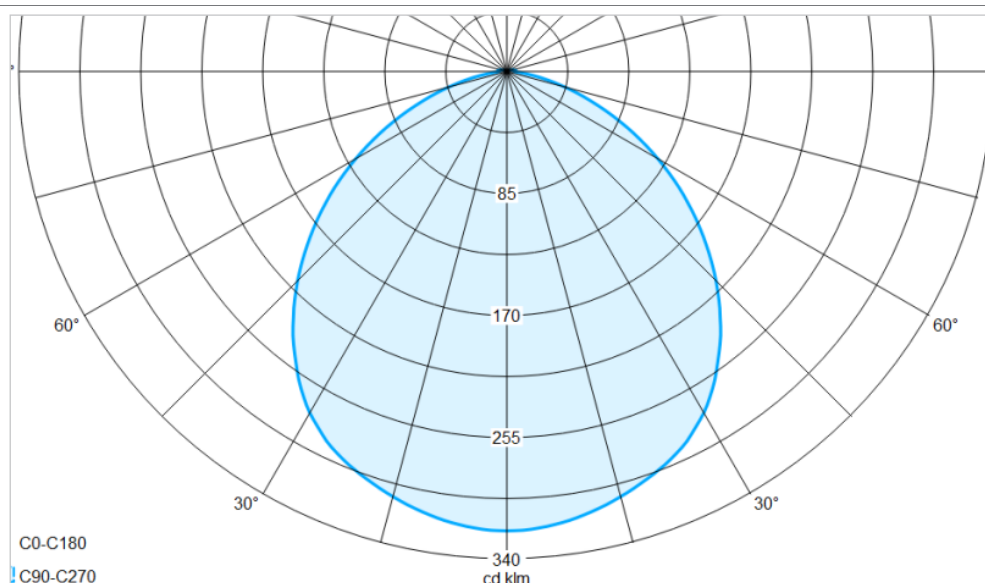
	TYPE	L1 [mm]	L2 [mm]
	PSF 28 LED	750	400
	PSF 52 LED	1370	800
	PSF 70 LED	1665	800

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

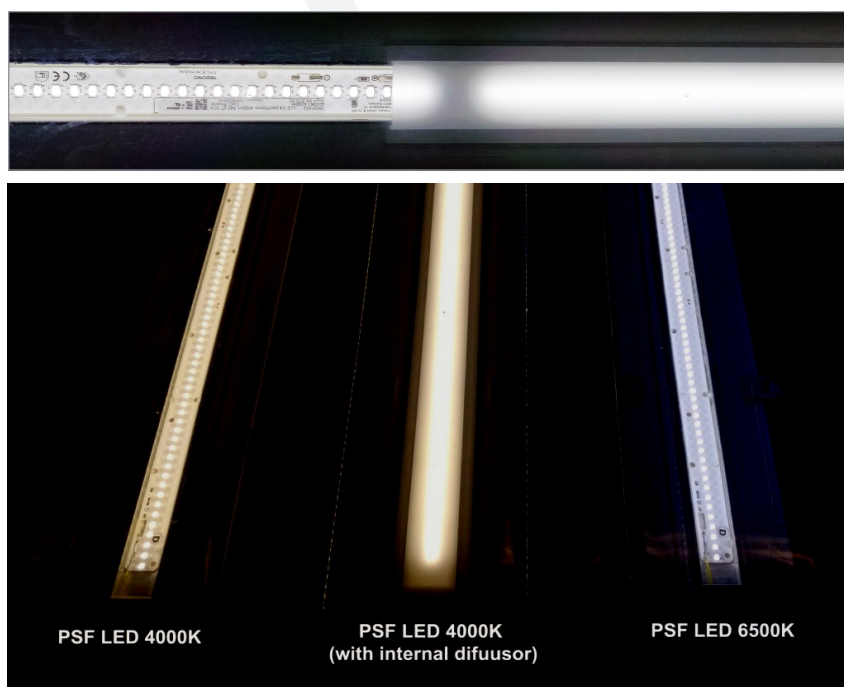
Pendant, on pole, wall, ceiling



Flexible mounting kit for PSF LED



Linear LED without and with LED diffuser





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