

G13

IP 66



IK08



- T8 fluorescent lamps in parallel configuration
- Central locking
- Switch with safety lock; when opening the central lock, all poles of the voltage supply to the ballast are disconnected
- In case of a lamp fault, the electronic ballast disconnects the defective lamp from the power supply
- PSF 218 - use in underground mines

PSF



CONSTRUCTION

Housing: SMC polyester plastic reinforced with glass fiber

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 without light sources, socket key screw, two Ex e cable glands M25, two Ex e plugs M25 and with four ring screw M8 (pendant version).

TECHNICAL DATA

Certificate:	FIDI 19 ATEX 0025 , EAC RU C-HR.AB24.B.03249
Marking:	CE 0722
Apparatus category:	II 2GD, I M2 (type PSF 218)
Marking of explosion protection:	<div> <div>Ex</div> <div> db eb mb IIC T4 Gb Ex tb IIIA/IIIC T80°C Db, Ex db eb mb I Mb </div> </div>
Ambient temperature:	-30°C ≤ Ta ≤ +50°C [ATEX] -50°C ≤ Ta ≤ +40°C [EAC]
Degree of protection:	IP 66, category 1
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	220....240 V (±10%)
Frequency:	50/60 Hz
Power factor:	λ=0,95
Ballast lumen factor:	98%
Light output ratio:	η=0,78%
End of life switch:	The electronic ballast, type SMP 07/12 fulfills the requirements according to EN 61349-2-3+A11:2017 ("end of life effect")
Estimated service life:	70 000 h at T _{amb} =40°C
Connecting terminals:	L1, L2, L3, N, PE - max. 2,5 mm ²
Cable entry:	Two entries Ex e M25x1,5 for cable diameters Ø6-15 mm, and two Ex e plugs
Through wiring:	5 x 1,5 mm ² , max. 16 A, or looping of the cables (entry and exit on one side)
Packing:	The packing contains: 1 pcs PSF 218 : 825x270x210 mm PSF 236 : 1420x270x210 mm PSF 258 : 1700x270x210 mm

MOUNTING

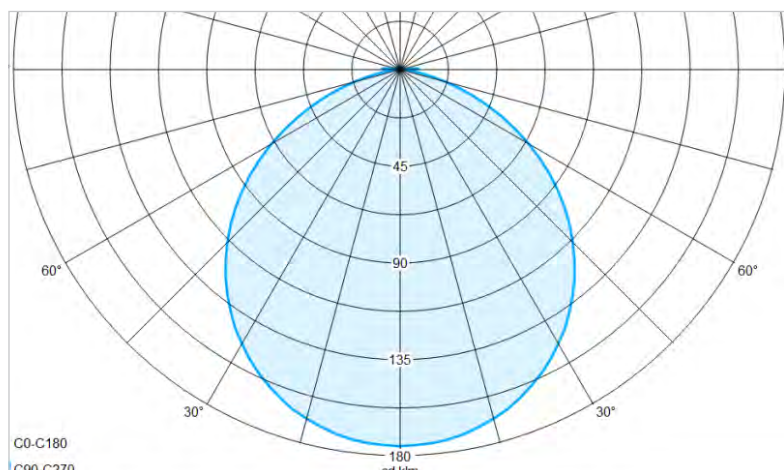
Pendant, on pipe, wall, ceiling



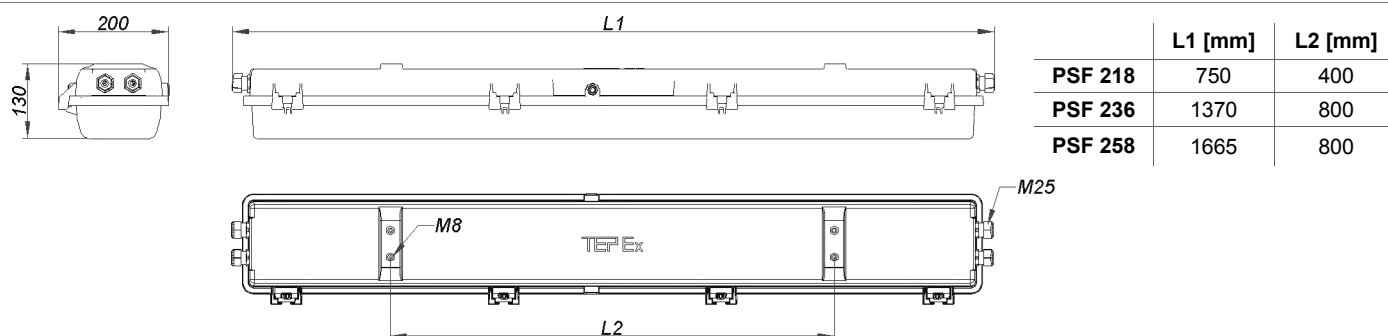
MODEL CODE

Model code	Max. Wattage	Lamp type	Nominal voltage	Luminous flux [lm]	Lamp holder	Nominal operational current	Weight
PSF 218	2x18 W	T8	230 V	2 x 1350	G13	0,17 A	7,5 kg
PSF 236	2x36 W			2 x 3350		0,33 A	10 kg
PSF 258	2x58W			2x 5200		0,5 A	12 kg

POLAR CURVE



DIMENSION DRAWING (mm)



SPARE PARTS AND ACCESSORIES

Sketch	Description	Code	Sketch	Description	Code
	Diffuser PSF	PSF218 10-120 PSF236 20-120		Metal cable gland for arm cable	PSF 30-160
	Gasket PSF	PSF218 10-130 PSF236 20-130		Ex e plug M25	SPC 25
	Internal reflector with lamp holder PSF	PSF218 10-140 PSF236 20-140		PSF Ceiling mounting set	PSF 30-110
	El. ballast SMP	SMP 07/12 SMP 08 (PSF 258)		PSF Pipe mounting set	PSF 30-120
	Terminals 5x2,5mm ²	PSF236 20-150		PSF Wall mounting set	PSF 30-130
	Socket key SW8	PSF236 20-160		Ring bolt M8	PSF 30-140