

PURPOSE

Explosion proof pendant lighting fitting type PLFS-T/.. is intended for use in industry areas:

- in areas endangered by flammable and explosive mixtures of gases and air, fumes of flammable liquids and air, or various combinations between the two, in danger zones 1,2 in ordinance with standards IEC 60079-10/02,
- in areas endangered by explosive and flammable mixtures of dust and air in danger zones 21, 22 in ordinance with standards EN 50281-3/02.

TYPE OF PROTECTION

Apparatus category: II 2GD/II 2G

Marking of explosion-protection: EEx de IIC T3-T6, T 80°C-130°C - according to model code shown in table

Environment temperature: $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ - according to model code shown in table

Degree of protection (IP Code): IP 66 in accordance with EN 60529+A1, category 1

Resistance to shock: IK 08 in accordance with EN 50102

Insulation class : I (protective earthing) in accordance with EN 61140

Electromagnetic compatibility: in accordance with the Directive 89/336 EEC, EN 55015, EN 61547

MODEL CODE

MODEL CODE	LAMP TYPE (According to ZVEI)	POWER CONSUMPTION	OSRAM	PHILIPS	LAMP-HOLDER	TEMPERATURE CLASS		T ₀ MAX
						T _a =40°C	T _a =50°C	T _a =40°C
PLFS-T/200	A	max. 200W	CLAS A CL 25-200W	STANDARD A 25-200W	E27	T4	T4	130°C
	QT	max. 230W	HALOLUX CERAM 60-230W	HALOGEN A PRO 40-150W			T3	
	LME	max. 160W	HWL 160	ML 160W			T4	
	TC-TSE	max. 30W	DULUX EL LL 5-30W	PL ELECTRONIC PRO 12-27W		T6	-	80°C
PLFS-T/125	HME	125W	HQL 125	HPL-N 125W	E27	T4	-	130°C
	HSE-I	110W	NAV-E 110	SON H PRO 110W			-	
PLFS-T/100	HSE	100W	HCI-E/P 70,100,150 HQI-E 70,100,150	CDM/CDO-ET 70W	E27	T4	-	95°C
	HIE						-	
PLFS-T/70	HSE	70W	NAV-E 70/E NAV-E70 4Y	SON PRO 70W	E27	T5	T4	130°C
	HIE						-	
PLFS-T/BLF-1/150	HIE	150W			E27	T4	-	130°C
PLFS-T/FLASH	XENON	15W / 11J (in total)	D.G. CONTROL Ltd., type XFE		-	T6	-	80°C

TEHNIICAL DATA

Rated voltage:	-230 V (-10% / +6%) -12 V AC/DC, 24 V AC/DC, 110 V AC, 230 V AC - lamp type PLFS-T/FLASH
Frequency:	-50Hz
Rated power:	- according to table
Power factor:	- $\cos \phi = 0,95$ HSE-I (NAV-E 110, SON H PRO 110) 110 W - $\cos \phi = 1$ bulbs
Connecting terminals:	- L1, L2, L3, N; max. 2 x 2,5 mm ² solid, stranded - terminal for protective earthing conductor connection -PE; max 2 x 6 mm ² stranded - terminal for earthing and bonding conductor connection; max. 2 x 6 mm ² stranded - tightening torque for screw clamp 1,2 Nm
Cable entries:	- two entries Exe M25x1,5 according EN 60423
Connection cable:	- PLFS-T/200 with QT 230W cable suitable for a minimum temperature of 90°C
Cable gland and plug:	- II 2GD EEx e M25 IP66 - tightening torque for gland screw 2,5 Nm, tightening torque for gland or plug 3,5 Nm
Screws of Exe cover:	- screw M5x20 (Z4) – 4.8, tightening torque 1,5 Nm

ASSEMBLAGE AND REPLACING THE LIGHT SOURCE

Assemblage and instalation is done according to technical and certification data on warning labels on lamp, this user manual by manufacturer, national regulations and laws. Only with that, explosion-proof protection of pendant light fitting is ensured with EC-type certificate.

