

LED

IP 66



- High color rendering index CRI 80
- Estimated service life 70 000 hours
- With OVP, OCP, OTP protection
- Autonomous reactivation after recovery
- CCT4000K / other CCT on request
- Frosted front glass on request

new
LED
more lm/W

PLFS-N 100 LED



CONSTRUCTION

Housing: aluminium painted casting

Diffuser: borosilicate glass,

Accessories: protected galvanized steel gird, assembly kit for wall, pipe and ceiling mounting

Gasket: silicon

TECHNICAL DATA

Certificate:	FIDI 19 ATEX 0031 EAC RU C-HR.HB07.B.00273/20
Marking:	CE 0722
Apparatus category:	II 2GD
Marking of explosion protection:	Ex db eb op is IIC T6 Gb Ex tb op is IIIC T80°C Db
Ambient temperature ATEX:	-40°C / -20°C ≤ T _a ≤ +50°C
Degree of protection:	IP 66 category 1
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	90 - 305 V AC 127 - 431 V DC
Frequency:	50Hz / 60Hz
Rated power:	60W, 80W, 100W
Connecting terminals:	L1, L2, L3, N; max. 2 x 2,5 mm ² or 4mm ² PE terminal ; max 2x6mm ²
Cable entry:	Connection box [3L+N+Pe] and through wiring + ISO25 metal plug 2x M25 (1x M25 Exd cable gland, 1x Exd M25 plug) ADP 23/1
Weight:	10,5 kg
Packing:	The packing contains: 1 pcs 340 x 310 x 290 mm

MOUNTING

Pendant, on pipe, wall, ceiling

Pendant LED light fitting

PLFS-N 100 LED - _ / _

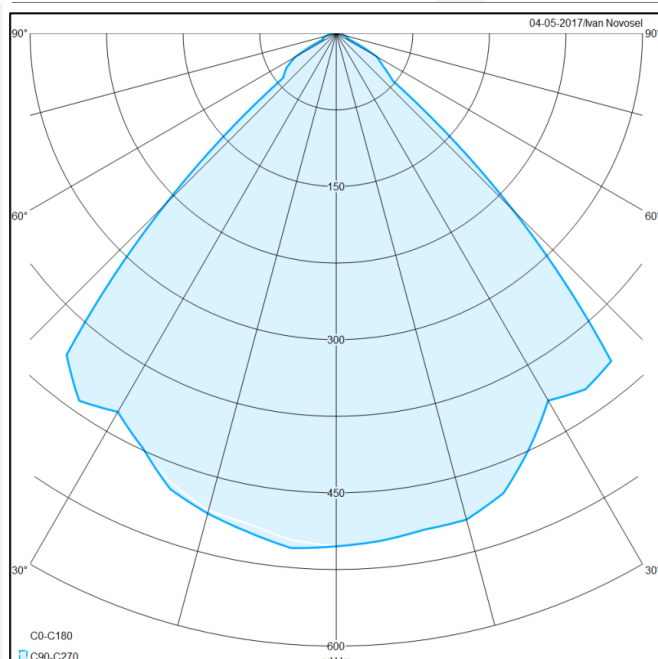
Basic type code
Rated power
Type of entries:

- 2 – indirect entry – type with Ex db adapter ADP 23/1 for $T_a \geq -20^\circ\text{C}$,
3 – indirect entry – type with Ex eb junction box + Ex eb cable gland M25x1.5 and
Ex eb plug M25x1.5 for $T_a \geq -20^\circ\text{C}$ ($T_a \geq -40^\circ\text{C}$ on request)

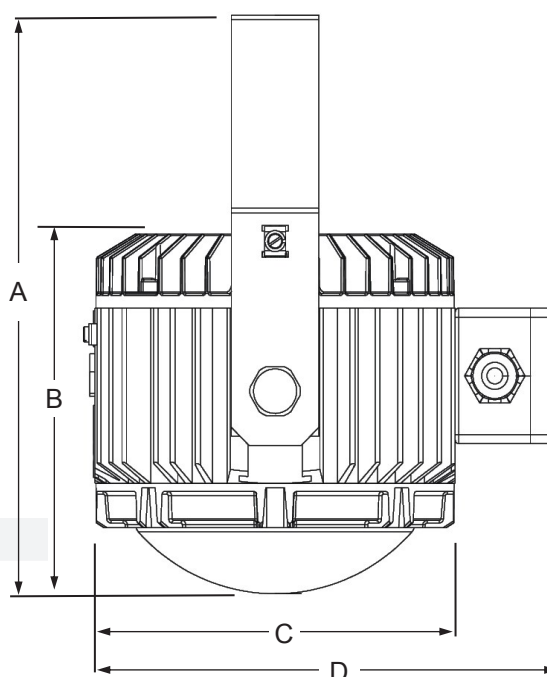
MODEL CODE

MODEL CODE	Power consumption [W]	Voltage [V]	Light fitting Luminous flux [lm]	System efficacy [lm/W]	AMBIENT TEMP.
PLFS-N 100 LED-2	60 W	90-305 V AC 127-431 V DC	7 620	127	$-40^\circ\text{C} \div +50^\circ\text{C}$
PLFS-N 100 LED-3	80 W		10 150		
PLFS-N 100 LED-4	100 W		12 690		

POLAR CURVE



DIMENSION DRAWING (mm)



A	B	C	D
320	240	240	268

PLFS-N 100 LED

MULTI FLOODLIGHTS SOLUTION



MODEL CODE	Power [W]	Light fitting Luminous flux [lm]	WEIGHT [kg]
PLFS-N 2100 LED	2x 80 W	20 300	22
PLFS-N 3100 LED	3x 80 W	30 450	34
PLFS-N 4100 LED	4x 80 W	40 600	45

SPARE PARTS AND ACCESSORIES

SKETCH	DESCRIPTION	CODE	SKETCH	DESCRIPTION	CODE
	Replacement glass PLFS-N LED	PLFS LED 10-120		PLFS-N fixing bracket for tube R 1 1/2"	PLFS 20-120
	Wire guard PLFS LED	PLFS LED 20-130		PLFS-N mounting bracket (ceiling and wall mounting)	PLFS 20-130
	Ex d breathing plug M20	BP 01		PLFS-N LED assembly carrier	PLFS-N LED 10-150
	External reflector set	PLFS 50 LED 20-110			