PLFS-N 100 LED

LED | IP 66

IK08 | T_a °C -40 / +50

Ex ATEX | EAC

- 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

CONSTRUCTION

Enclosure: aluminum powder painted casting
Diffuser: borosilicate glass
Accessories: protective galvanized steel grid, assembly kit for wall, pipe and ceiling mounting
Gasket: silicon

TECHNICAL DATA

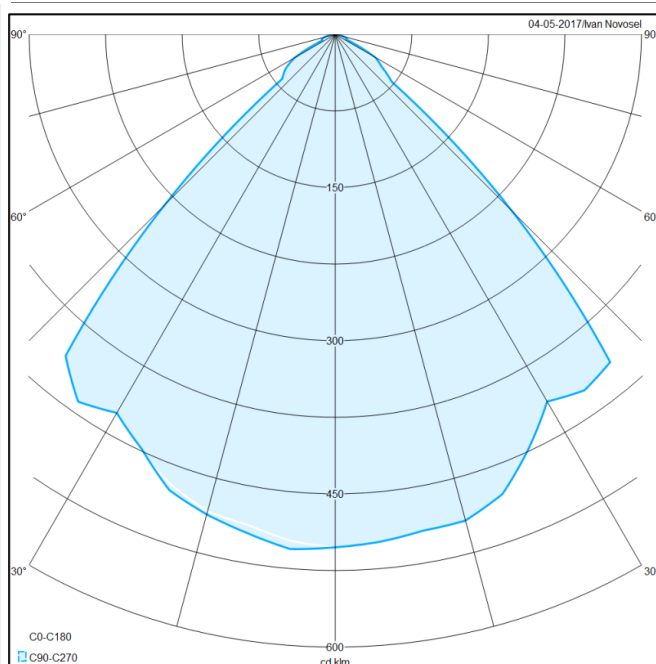|	
Certificate:	FIDI 19 ATEX 0031
Marking:	CE 0722
Apparatus category:	II 2G II 2D
Marking of explosion protection:	Ex db eb op is IIC T6 Gb Ex db eb op is IIB+H_2 T6 Gb (version with breathing plug) Ex tb op is IIIC T85°C Db
Ambient temperature ATEX:	-40°C / -20°C ≤ T_a ≤ +40 / +50°C
Degree of protection:	IP 66 category 1
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	90 - 305 VAC 127 - 431 VDC
Frequency:	50 / 60 Hz
Rated power:	60 W, 80 W, 100 W
Connecting terminals:	L1, L2, L3, N; max. 2 x 2,5 mm2 PE terminal ; max 2x6mm2
Cable entry:	Connection box [3L+N+Pe] and true wiring + ISO20 metal plug 2x M20 (1x M20 Exd cable gland, 1x Exd M20 plug) ADP 23/1+ ISO20 metal plug
Weight:	9 kg
Packing:	The packing contains: 2 pcs 560 x 300 x 270 mm

MOUNTING

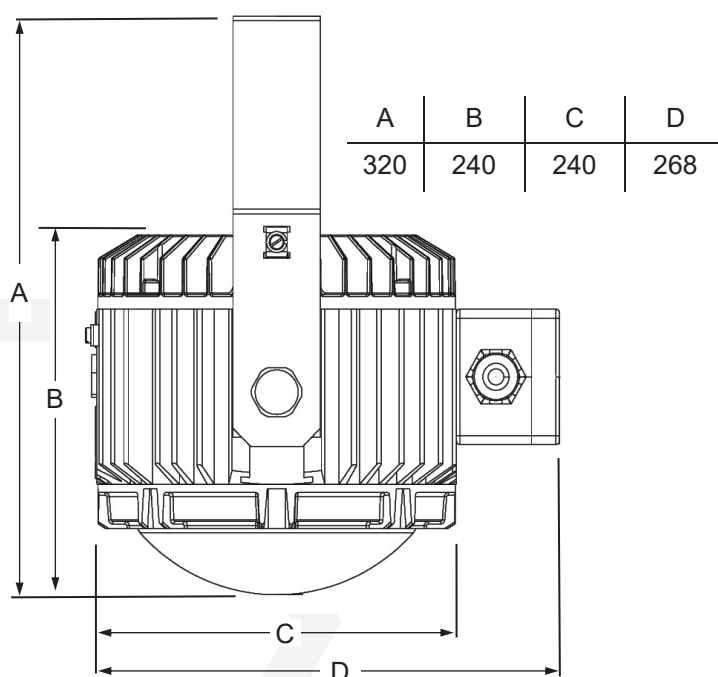Pendant, on pipe, wall, ceiling

make your work surroundings safer

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		7 620		-40°C ÷ +50°C
PLFS-N 100 LED-3	80 W	90-305 V AC 127-431 V DC	10 150	127	
PLFS-N 100 LED-4	100 W		12 690		-40°C ÷ +40°C

POLAR CURVE

04-05-2017/Ivan Novosel

C0-C180
C90-C270
cd klm

DIMENSION DRAWING (mm)

A	B	C	D
320	240	240	268

MULTI FLOODLIGHTS SOLUTION

MODEL CODE	Power [W]	Light fitting Luminous flux [lm]	WEIGHT [kg]
PLFS-N 2100 LED	2x 80 W	20 300	32
PLFS-N 3100 LED	3x 80 W	30 450	39
PLFS-N 4100 LED	4x 80 W	40 600	48

SPARE PARTS AND ACCESSORIES

SKETCH	DESCRIPTION	CODE	SKETCH	DESCRIPTION	CODE
	Replacement glass PLFS-N LED	PLFS LED 10-110		PLFS-N fixing bracket for tube R 1 1/2"	PLFS 20-120
	LED Carrier assembly	PLFS LED 10-150		PLFS-N mounting bracket (ceiling and wall mounting)	PLFS 20-130
	Breathing plug	BP 01		LED Driver assembly	PLFS-N 100 LED 10-140

All technical data is relevant at the time of print.