Zone

1 21 2 22

PLFM

E27

IP 66

IK08

T_a -20 +40

ATEX

- Low weight/3,5 kg
- Up to 70W HSE (5900 lm)



CONSTRUCTION

Enclosure: aluminum powder painted casting
Diffuser: borosilicate glass
Accessories: protective galvanized steel grid (INOX on request), assembly kit for wall, pipe and ceiling mounting

TECHNICAL DATA

Certificate:	FIDI 19 ATEX 0047
Marking:	CE 0722
Apparatus category:	II 2GD
Marking of explosion protection:	Ex db eb IIC T6-T3 Gb Ex db IIC T6-T3 Gb Ex tb IIIC T85ºC - T155ºC Db
Ambient temperature:	-20ºC ≤ T_a ≤ +40ºC [ATEX]
Degree of protection:	IP 66, category 1
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	230V AC PLFM FLASH - see model code table
Frequency:	50Hz (60Hz on request)
Rated power:	See model code table
Light output ratio:	η=0,75%
Cable entry:	Direct entry; 2 x M20x1.5 Indirect entry ; ADP 23/1, Ex e junction box, Ex d metal cable gland M20
Connecting terminals:	L, N, PE; max. 2 x 2,5 mm^2 solid, flexible terminal for external -PA connection; max 2x6 mm^2
Weight:	3,5 kg —> PLFM 100/., PLFM FLASH-. 4,5 kg —> PLFM 20 LED-. , PLFM 70 HSE-.
Packing:	The packing contains: 2 pcs 340x260x170 mm

MOUNTING

Pendant, on pipe, wall, ceiling

PLFM ..... - . / . . . .

Light source type:
F – flash,
S – steady
Nominal voltage:
1 – 24 VAC/VDC,
2 – 110 VAC,
3 – 230 VAC
Lens colour:
B – blue, G – green, O – orange/amber,
R – red, T – transparent, Y – yellow

Only for PLFM FLASH

Type of entries:
1 – indirect entry – type with Ex eb junction box,
2 – indirect entry – type with Ex eb/db adapter ADP 23/1,
3 – direct entry – type with M20 Ex db cable gland (standardly supplied with a cable gland type 4F 4114219 but other types are available as well)
Basic model code (according to the table below)

MODEL CODE

Model code	Max. wattage	Lamp type	Nominal voltage	Luminous flux	Lamp holder	Temp. class (gas)	$T_{0\ MAX}$ (dust)
						T_a=40°C	T_a=40°C
PLFM 100 - .	100 W	A	230V	1340 lm	E27	T4	130°C
	116 W Osram 105 W Philips	A ECO	230 V	2135 lm Osram 1980 lm Philips	E27	T4	130°C
	100 W	QT	230 V	1800 lm Osram	E27	T4	130°C
PLFM 100/1 - .	100 W	LME	230 V, 50 Hz	1100 lm	E27	T3	155°C
PLFM 100/2 - .	22 W Osram 23 W Philips	TC-SB	230 V, 50 Hz	1440 lm	E27	T6	80°C
PLFM 100/3 - .	12 W Osram 13 W Philips	LED	230 V, 50 Hz	810 lm Osram 1055 lm Philips	E27	T6	80°C
PLFM FLASH - .	10 W	LED	24 V DC 110 V AC 230 V AC	~4,2 cd	-	T6	80°C
PLFM 50 HSE - .	50W	HSE	230 V, 50 Hz	3600 lm Osram 3500 lm Osram	E27	T4	130°C





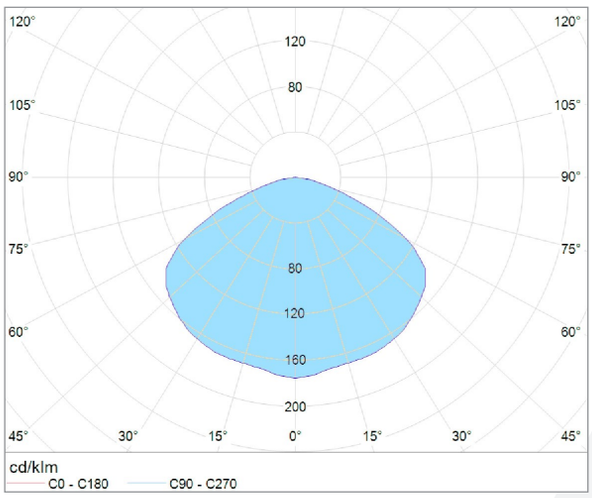




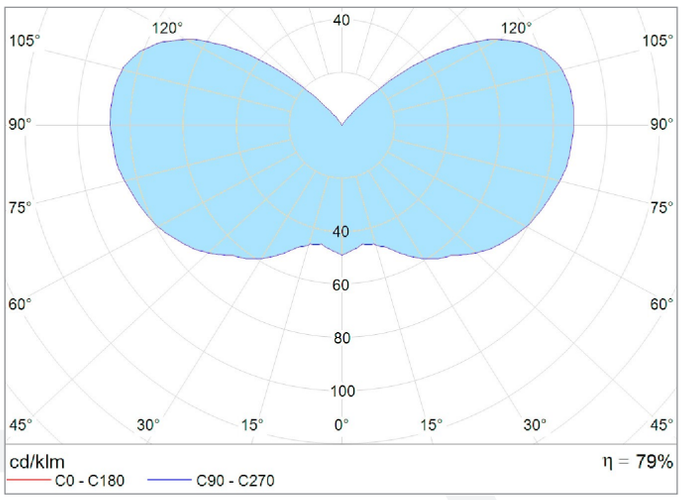
All technical data is relevant at the time of print.

PLFM

POLAR CURVE

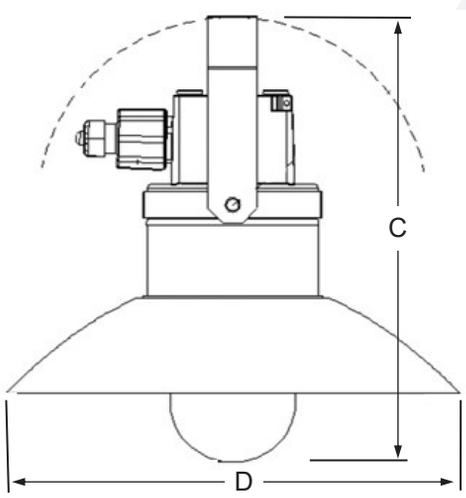


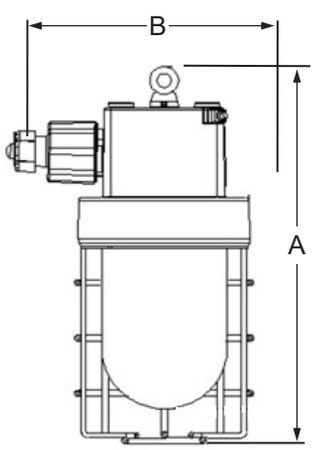
PLFM 100-., PLFM 50 HSE
With external reflector



PLFM 100-., PLFM 50 HSE
Without external reflector

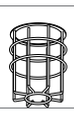
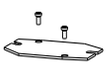
DIMENSION DRAWING (all dimensions in mm)





A	B	C	D
340	175	380	∅370

SPARE PARTS AND ACCESSORIES

Sketch	Description	Code	Sketch	Description	Code
	Replacement glass PLFM	PLFM 10-120		Ex e cable gland M25	SPU 25
	Protectivr grid PLFM	PLFM 10-130		Ex e plug M25,	SPC 25
	Gasket PLFM	PLFM 10-140		Light bulb	According to type table
	Lampholder with internal reflector	PLFM 10-150		PLFM fixing bracket for tube R 2”	PLFM 20-120
	Ballast set	PLFM 10-170		PLFM mounting bracket (ceiling mounting)	PLFM 20-130
	Adapter ADP 23	PLFM 20-110		PLFM mounting bracket (wall mounting)	PLFM 20-140