

# PRODUCT DATASHEET

## FL PFM ASYM 45x140 100 W 4000 K BK

FLOODLIGHT PERFORMANCE ASYM 45x140 | Floodlight with very wide beam, asymmetric light distribution for area lighting



### Areas of application

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Parking
- Public areas
- Industry
- Sports facilities
- Parking lots, industrial roads
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, e.g. by accumulation of dust

### Product benefits

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- Bright, robust and durable
- Homogeneous luminance distribution and reduced glare
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Key hole to ensure ease of installation
- 5 years guarantee

### Product features

- High luminous efficacy: up to 140 lm/W
- Asymmetric light distribution for area lighting
- Angled (45°) mounting bracket and up to 180° tilting
- Type of protection: IP66
- Impact resistance: IK08



- Ambient temperature in operation: -30...+50 °C
- High surge protection: up to 10 kV (L/N-PE), 6 kV (L-N)
- Integrated breather for preventing condensation inside the luminaire
- Connection via 2 m cable, wiring required

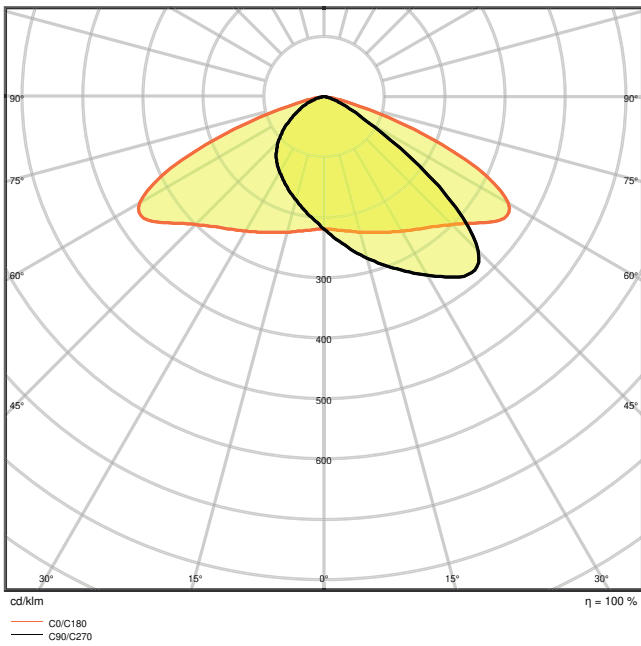
## TECHNICAL DATA

### Electrical data

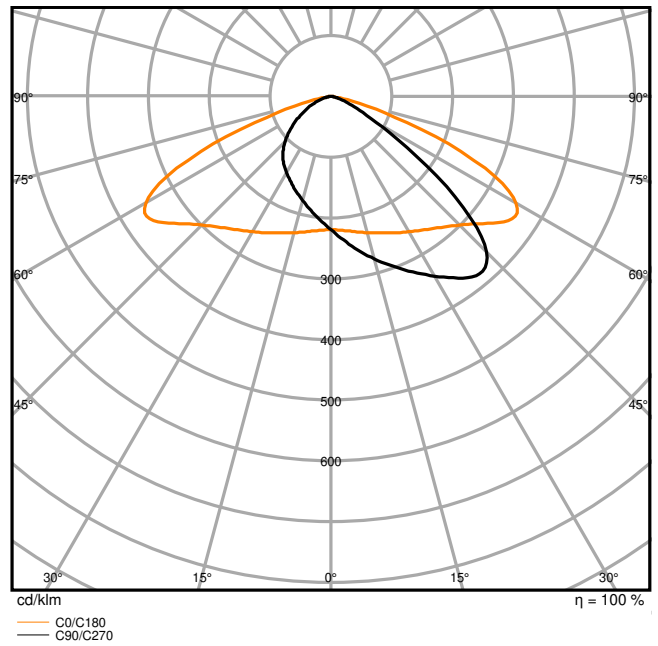
Nominal wattage	100.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	490 mA
Inrush current	70 A
Inrush current time $T_{h50}$	200 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C10	4
Max. number of luminaires per miniature circuit breaker C16	6
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	12800 lm
Luminous efficacy	130 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Beam angle	45 ° x 140 °



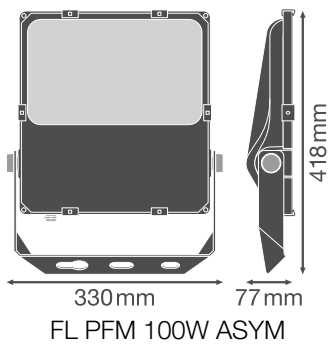
FL PFM 100W 4000K ASYM 45x140 BK



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Dimensions & Weight

Length	418.00 mm
Width	330.00 mm
Height	77.00 mm
Product weight	3900.00 g
Cable length	2000 mm



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-30...+50 °C
Temperature range at storage	-40...+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Application environment	Outdoor
Adjustable	Yes
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	100000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	70000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	30000 h
Number of switching cycles	100000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Control gear

Output current	1900 mA
ECG - Output ripple current	< 10 %

### Certificates & Standards












Standards	CE / CB / ENEC / TÜV SÜD / EAC
Luminaire with limited surface temperature, "D sign"	Yes







Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

### Safety advice

- All electrical connections must be made by a qualified person.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
- Terminal block not included. Installation must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

### DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	FLOODLIGHT PERFORMANCE
	Legal information	LSI FL PFM SYM AND ASYM
	Legal information	Legal Insert FL PFM
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	EU Declaration of Conformity FL PFM
	Declarations of conformity UKCA	FL PFM BK
Photometric and lighting design files		Document name
	IES file (IES)	FL PFM 100W 4000K ASYM 45x140 BK
	IES file (IES)	FL PFM 100W 4000K ASYM 45X140 BK
	LDT file (Eulumdat)	FL PFM 100W 4000K ASYM 45x140 BK
	LDT file (Eulumdat)	FL PFM 100W 4000K ASYM 45X140 BK
	ULD file (DIALux)	FL PFM 100W-4000K ASYM 45X140 BK

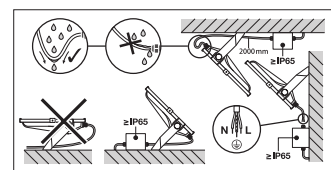
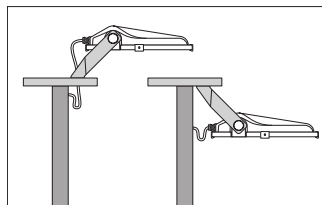
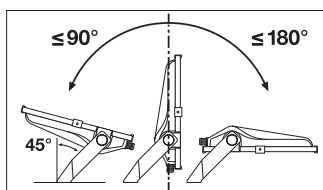
Photometric and lighting design files		Document name
	ROLF file (RELUX)	FL PFM 100W-4000K ASYM
	Light distribution curve type polar	FL PFM 100W 4000K ASYM 45x140 BK
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CAD/BIM files		Document name
	BIM Revit 3D	FL PFM
	CAD STEP 3D	FL PFM 100W
Tender texts		Document name
	Tender documents	FLOODLIGHT PERFORMANCE ASYM 45x140 100 W 4000 K BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075353688	Shipping box 1	474 mm x 120 mm x 368 mm	4325.00 g	20.93 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.