

PRODUCT DATASHEET

FL PFM ASYM 45x140 100 W 3000 K BK

FLOODLIGHT PERFORMANCE ASYM 45x140 | Floodlight with asymmetric light distribution for area lighting



AREAS OF APPLICATION

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Public areas
- Industry
- Sports facilities
- Parking lots, industrial roads
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, f. e. 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 130 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
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Power factor λ	> 0.90
Mains frequency	50/60 Hz
Inrush current	70 A
Total harmonic distortion	< 20 %
Inrush current time T_{h50}	200 μs

Luminaire control gear data

Ouput current	1900 mA
ECG - Output ripple current	<10 %
Low flicker	Yes
Max. no. of lum. on circuit break. B16 A	4
Max. no. of lum. on circuit break. C10 A	4
Max. no. of lum. on circuit break. C16 A	6

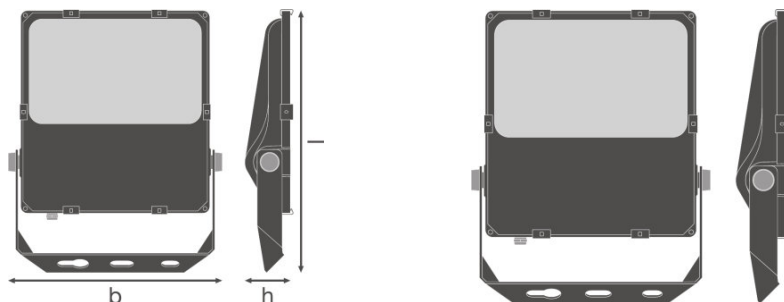
Photometrical data

Color temperature	3000 K
Luminous flux	11800 lm
Luminous efficacy	120 lm/W
Standard deviation of color matching	≤5 sdcn
Light color (designation)	Warm White
Color rendering index Ra	>80

Light technical data

Beam angle	45 ° x 140 °
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Dimensions & weight



Length	418.0 mm
Width	330.0 mm
Height	77.0 mm
Product weight	3900.00 g
Cable length	2000 mm

Colors & materials

Body material	Aluminum
Housing color	Black
Product color	Black
Housing color	Black
Cover material	Glass

Temperatures & operating conditions

Ambient temperature range	-30...+50 °C
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Lifespan

Number of switching cycles	10000
Lifespan L70/B50 at 25 °C	100000 h
Lifespan L80/B10 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	30000 h

Additional product data

Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Product remark	Available from November 2019

Capabilities

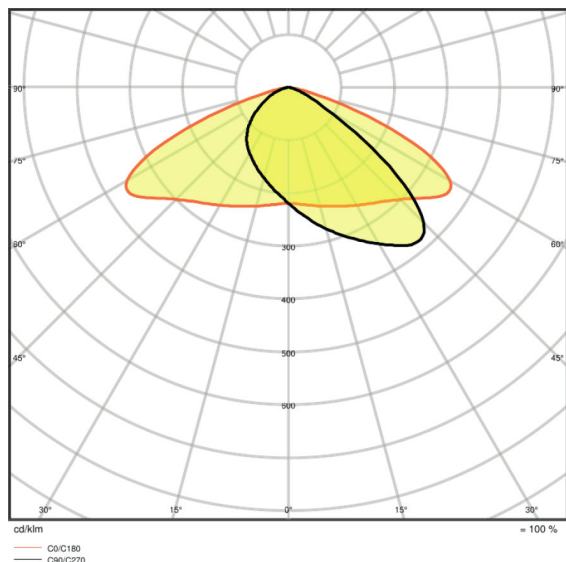
Adjustable	Yes
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Dimmable	No
Type of connection	Cable, 3-pole
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 695-2-1	650 °C
Photobiological safety group EN62778	RG 1
Protection class	I
Type of protection	IP66
Luminaire with limited surface temperature, class "D"	Yes
Standards	CE/CB/ENEC/TÜV SÜD/EAC/RoHS

Light Distribution



LDC typ polar

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075353633	Shipping carton box 1	474 mm x 120 mm x 368 mm	4325.00 g	20.93 dm ³

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.

REFERENCES / LINKS

For Guarantee see

▶ www.ledvance.com/guarantee

DISCLAIMER

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