

PRODUCT DATASHEET

FL PFM ASYM 55x110 100 W 4000 K BK

FLOODLIGHT PERFORMANCE ASYM 55x110 | Floodlight with wide beam, asymmetric light distribution for various application areas



Areas of application

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Parking
- Public areas
- Industry
- Sports facilities
- Architectural lighting
- 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 140 lm/W
- Asymmetric light distribution for various application areas
- 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
Nominal current	490 mA
Inrush current	70 A
Inrush current time T_{h50}	200 μ s
Power factor λ	> 0.90
Mains frequency	50...60 Hz
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
Total harmonic distortion	< 20 %

Luminaire control gear data

Low flicker	Yes
Output current	1900 mA
ECG - Output ripple current	< 10 %

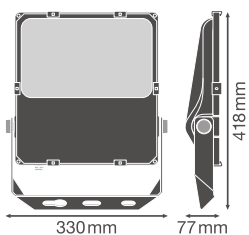
Photometrical data

Color temperature	4000 K
Luminous flux	12900 lm
Luminous efficacy	130 lm/W
Light color (designation)	Cool White
Standard deviation of color matching	≤ 5 sdcn
Color rendering index Ra	> 80

Light technical data

Beam angle	55 ° x 110 °
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Dimensions & weight



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

Colors & materials

Body material	Aluminum
Product color	Black
Housing color	Black
Cover material	Glass
Light emitting surface material	Glass

Temperatures & operating conditions

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

Number of switching cycles	100000
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
Low flicker	Yes

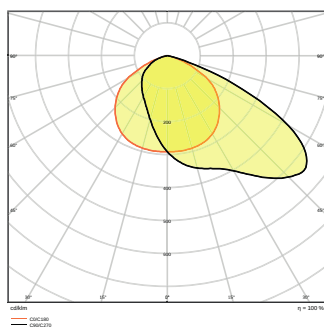
Capabilities

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 60695-2-12	650 °C
Photobiological safety group acc. to EN62778	RG1
Protection class	I
Type of protection	IP66
Ball shot safe	No
Standards	CE / CB / ENEC / TÜV SÜD / EAC
Luminaire with limited surface temperature, class "D"	Yes




LOGISTICAL DATA


Temperature range at storage	-40...+70 °C
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DOWNLOAD DATA


DOWNLOAD DATA	
	User instruction FLOODLIGHT PERFORMANCE
	Tender documents Tender Text 4058075353527
	Declarations of conformity EU Declaration of Conformity FL PFM


DOWNLOAD DATA

 IES file (IES)
FL PFM 100W 4000K ASYM 55x110 BK

 LDT file (Eulumdat)
FL PFM 100W 4000K ASYM 55x110 BK

 R3D file (Relux 3D Model)
FLOODLIGHT PERFORMANCE 100 W

 M4D file (3D Model with rotation axis)
FLOODLIGHT PERFORMANCE 100 W

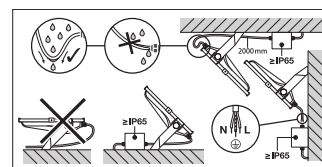
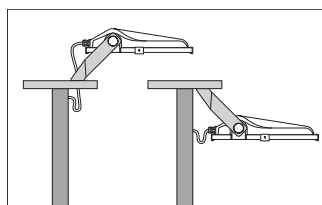
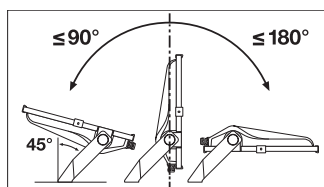
 M4D file (3D Model with rotation axis)
FL PFM ASYM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075353527	Shipping 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.

ADDITIONAL CATALOG INFORMATION



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.