

PRODUCT DATASHEET

FL PFM ASYM 45x140 50 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 | 50.00 W |
| Operating mode | Integrated LED driver |
| Nominal voltage | 220...240 V |
| Power factor λ | > 0.90 |
| Mains frequency | 50/60 Hz |
| Inrush current | 50 A |
| Total harmonic distortion | < 20 % |
| Inrush current time T_{h50} | 500 μs |

Luminaire control gear data

| | |
|--|---------|
| Ouput current | 1050 mA |
| ECG - Output ripple current | <60 % |
| Low flicker | No |
| Max. no. of lum. on circuit break. B16 A | 3 |
| Max. no. of lum. on circuit break. C10 A | 3 |
| Max. no. of lum. on circuit break. C16 A | 5 |

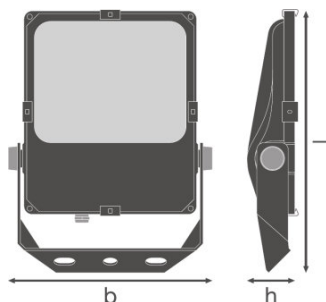
Photometrical data

| | |
|--------------------------------------|------------|
| Color temperature | 3000 K |
| Luminous flux | 5700 lm |
| Luminous efficacy | 115 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 ° |
|------------|--------------|

Dimensions & weight



| | |
|-----------------------|-----------|
| Length | 314.0 mm |
| Width | 240.0 mm |
| Height | 63.0 mm |
| Product weight | 2600.00 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 |
|----------------------------------|--------------|

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

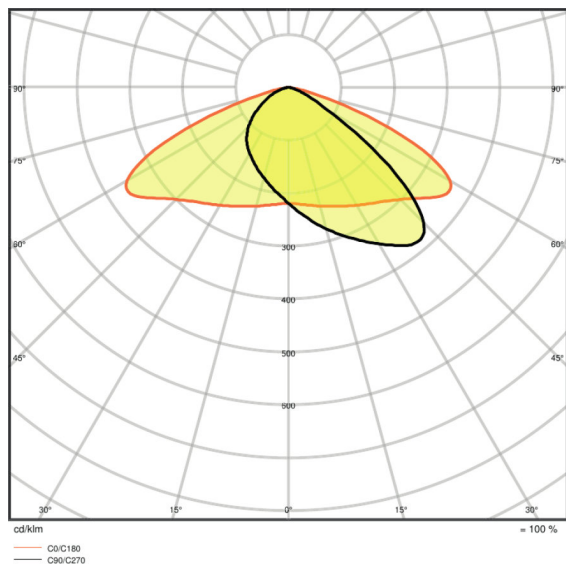
| | |
|-------------------|-----|
| Adjustable | Yes |
|-------------------|-----|

| | |
|-------------------------------|-----------------|
| 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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075353619 | Shipping carton box 1 | 364 mm x 105 mm x 280 mm | 2880.00 g | 10.70 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.