

PRODUCT DATASHEET

FL PFM ASYM 45x140 50 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, 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 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

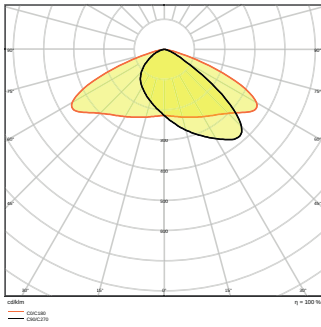
TECHNICAL DATA

Electrical data

| | |
|--|-----------------------|
| Nominal wattage | 50.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 250 mA |
| Inrush current | 50 A |
| Inrush current time T_{h50} | 200 μ s |
| 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 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

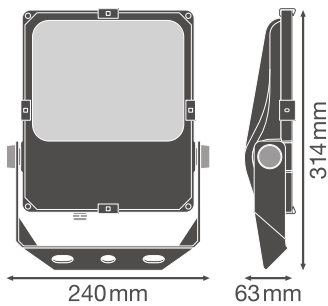
Photometrical data

| | |
|--|---------------------------|
| Luminous flux | 6200 lm |
| Luminous efficacy | 125 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | \leq 5 sdc _m |
| Luminous intensity | - |
| Low flicker | No |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG1 |
| Beam angle | 45 ° x 140 ° |



Dimensions & Weight

| | |
|----------------|-----------|
| Length | 314.00 mm |
| Width | 240.00 mm |
| Height | 63.00 mm |
| Product weight | 2600.00 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 |
| Adjustable | Yes |
| LED module replaceable | Not replaceable |

Lifespan

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





Control gear

| | |
|-----------------------------|--------|
| ECG - Output ripple current | < 60 % |
|-----------------------------|--------|

Certificates & Standards

| | |
|--|--------------------------------|
| Standards | CE / CB / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | Yes |
| Ball shot safe | No |

DOWNLOAD DATA

| DOWNLOAD DATA | |
|--|---|
|  | User instruction FLOODLIGHT PERFORMANCE |
|  | Tender documents Tender Text 4058075353626 |
|  | Declarations of conformity EU Declaration of Conformity FL PFM |
|  | IES file (IES) FL PFM 50W 4000K ASYM 45x140 BK |

DOWNLOAD DATA



LDT file (Eulumdat)
FL PFM 50W 4000K ASYM 45x140 BK



R3D file (Relux 3D Model)
FLOODLIGHT PERFORMANCE ASYM 50W



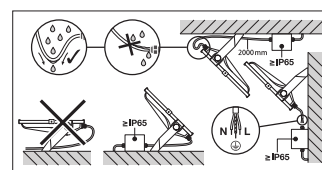
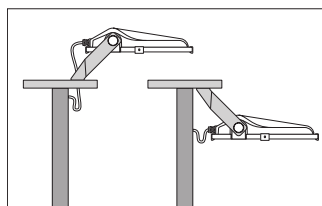
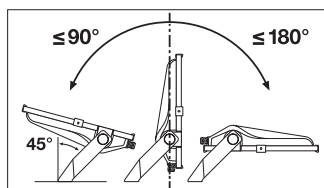
M4D file (3D Model with rotation axis)
FLOODLIGHT PERFORMANCE 50 W

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075353626 | Shipping box 1 | 370 mm x 111 mm x 288 mm | 3025.00 g | 11.83 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.