

PRODUCT DATASHEET

FL PFM 80 W 6500 K SYM 100 BK

FLOODLIGHT 80 W | Versatile floodlight with up to 10000 lm light output



Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Industry
- Public areas
- Construction areas
- Building facades

Product benefits

- Bright, robust and durable
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 5 years guarantee

Product features

- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Integrated wide voltage driver, suitable for 100 - 277 V AC
- Surge protection: up to 6 kV (L/N-PE), 4 kV (L-N)
- Mounting bracket with 30° angle and wide rotation area
- Breather membrane to optimize air exchange, without compromising IP protection
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires



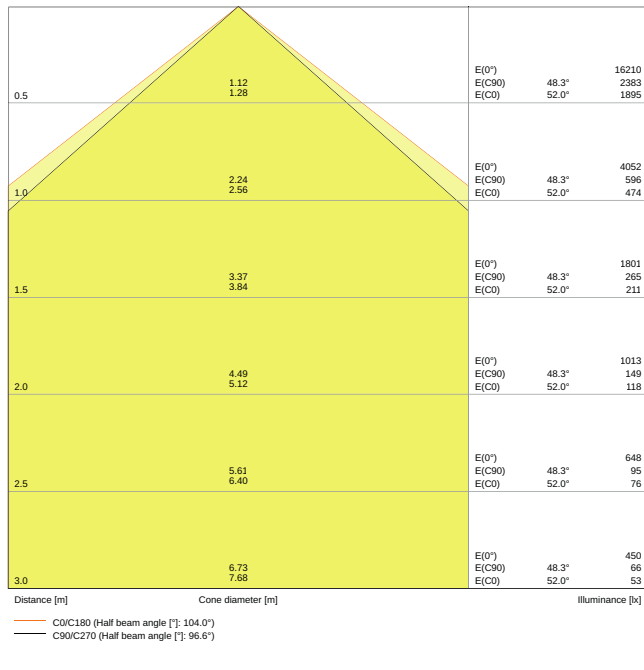
TECHNICAL DATA

Electrical data

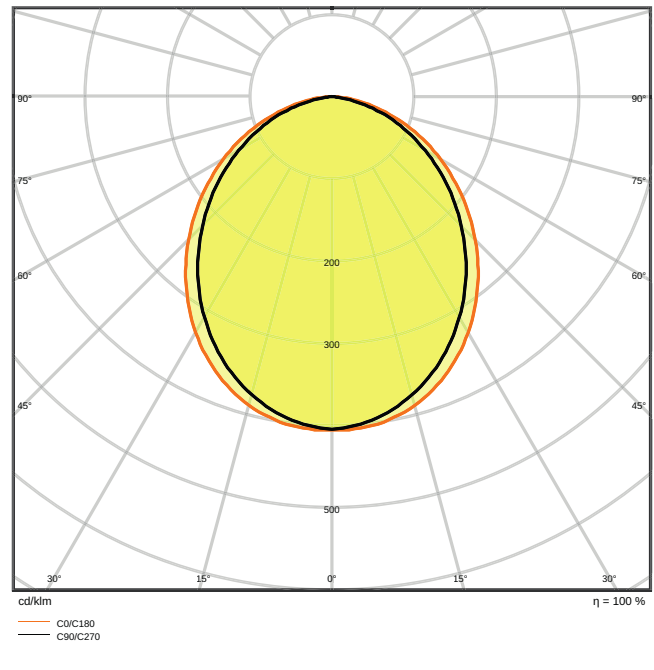
| | |
|--|-----------------------|
| Nominal wattage | 80.00 W |
| Nominal voltage | 100...277 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 430 mA |
| Inrush current | 14.8 A |
| Inrush current time T_{h50} | 160 μ s |
| Max. no. of lum. on circuit break. B16 A | 24 |
| Max. no. of lum. on circuit break. C10 A | 17 |
| Max. no. of lum. on circuit break. C16 A | 28 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

Photometrical data

| | |
|--|---------------------------|
| Luminous flux | 10000 lm |
| Luminous efficacy | 125 lm/W |
| Color temperature | 6500 K |
| Light color (designation) | Cool Daylight |
| Color rendering index Ra | ≥ 80 |
| Standard deviation of color matching | ≤ 5 sdc _m |
| Luminous intensity | - |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG1 |
| Beam angle | 100 ° x 100 ° |



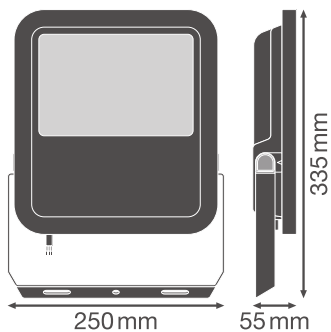
LDC typ cone



LDC typ polar

Dimensions & Weight

| | |
|----------------|-----------|
| Length | 335.00 mm |
| Width | 250.00 mm |
| Height | 55.00 mm |
| Product weight | 2800.00 g |
| Cable length | 1000 mm |



Materials & Colors

| | |
|--|----------|
| Product color | Black |
| Housing color | Black |
| Body material | Aluminum |
| 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 | IP65 |
| 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 | 70000 h |
| Lifespan L80/B10 at 25 °C | 55000 h |
| Lifespan L90/B10 at 25 °C | 35000 h |
| Number of switching cycles | 100000 |

Control gear

| | |
|-----------------------------|--------|
| ECG - Output ripple current | < 35 % |
|-----------------------------|--------|










Certificates & Standards

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

Safety advice

- Max. wind load surface 0.061 m²

DOWNLOAD DATA

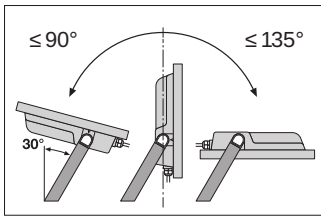
| DOWNLOAD DATA | |
|--|--|
|  | User instruction FLOODLIGHT 65W - 200W |
|  | Tender documents Tender Text 4058075422544 |
|  | Declarations of conformity FLOODLIGHT PFM |
|  | IES file (IES) FL PFM 80W6500K SYM 100 BK |
|  | LDT file (Eulumdat) FL PFM 80W6500K SYM 100 BK |
|  | R3D file (Relux 3D Model) FL PFM 80W |
|  | M4D file (3D Model with rotation axis) FL PFM 80W |
|  | UGR file (UGR table) FL PFM 80W6500K SYM 100 BK |
|  | Packaging insert Legal insert |

LOGISTICAL DATA

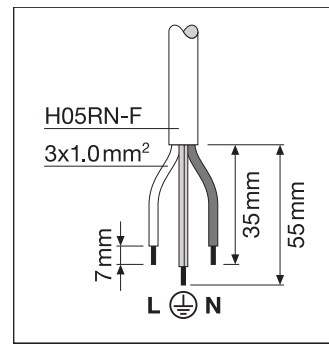
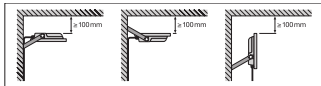
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075422544 | Folding box 1 | 62 mm x 257 mm x 352 mm | 2957.00 g | 5.61 dm ³ |
| 4058075422551 | Shipping box 2 | 302 mm x 170 mm x 414 mm | 6326.00 g | 21.25 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



| | A | B | C | ⚙️ | 📏 |
|------|-----|-----|------|--------|---------------------|
| 65W | 150 | 108 | 8,5 | 2x M8 | 0,046m ² |
| 80W | 150 | 108 | 10,5 | 2x M10 | 0,061m ² |
| 125W | 170 | 118 | 10,5 | 2x M10 | 0,083m ² |
| 160W | 170 | 118 | 12,5 | 2x M12 | 0,102m ² |
| 200W | 170 | 118 | 12,5 | 2x M12 | 0,124m ² |



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.