# PRODUCT DATASHEET

# FL PFM 200 W 4000 K SYM 100 BK

**FLOODLIGHT 200 W | Versatile floodlight with 200 W power consumption**

## 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** | 200.00 W |
| **Operating mode** | Integrated LED driver |
| **Nominal voltage** | 100...277 V |
| **Power factor λ** | ≥0.90 |
| **Mains frequency** | 50/60 Hz |
| **Max. no. of lum. on circuit break. B16 A** | 3 |
| **Max. no. of lum. on circuit break. C10 A** | 5 |
| **Max. no. of lum. on circuit break. C16 A** | 8 |
| **Inrush current** | 80.0 A |
| **Total harmonic distortion** | < 20 % |
| **Inrush current time $T_{h50}$** | 1000 µs |

### Luminaire control gear data

| | |
|---|---|
| **Low flicker** | Yes |

### Photometrical data

| | |
|---|---|
| **Color temperature** | 4000 K |
| **Luminous flux** | 25000 lm |
| **Luminous efficacy** | 125 lm/W |
| **Standard deviation of color matching** | ≤5 sdcm |
| **Light color (designation)** | Cool White |
| **Color rendering index Ra** | ≥80 |

### Light technical data

| | |
|---|---|
| **Beam angle** | 100 ° x 100 ° |

### Dimensions & weight
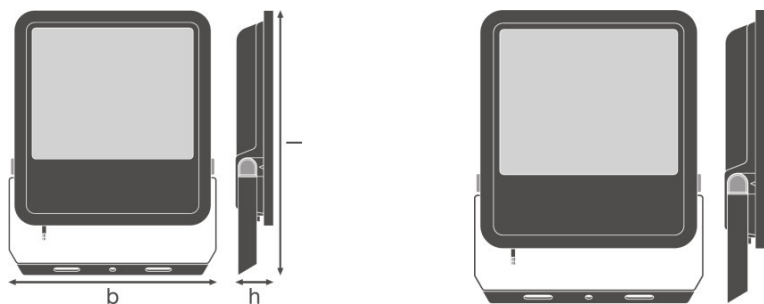
| Length | 454.0 mm |
|---|---|
| Width | 354.0 mm |
| Height | 62.0 mm |
| Product weight | 6000.00 g |
| Cable length | 1000 mm |

## Colors & materials

| Body material | Aluminum |
|---|---|
| Product color | Black |
| Housing color | Black |

## Temperatures & operating conditions

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

## Lifespan

| Number of switching cycles | 100000 |
|---|---|
| Lifespan L70/B50 at 25 °C | 70000 h |
| Lifespan L80/B10 at 25 °C | 55000 h |
| Lifespan L90/B10 at 25 °C | 35000 h |

## Additional product data

| Mounting type | Surface |
|---|---|
| Mounting location | Wall / Pole / Floor / Ceiling |
| Low flicker | Yes |
| Product remark | Available from September 2020 |

## 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 |
| Photobio. safety group acc. to EN62471 | RG 1 |
| Protection class | I |
| Type of protection | IP65 |
| Luminaire with limited surface temperature, class "D" | No |

| Standards | CE/CB/ENEC/EAC/RoHS |
|---|---|

### Logistical data

| Temperature range at storage | -40...+70 °C |
|---|---|

## Light Distribution
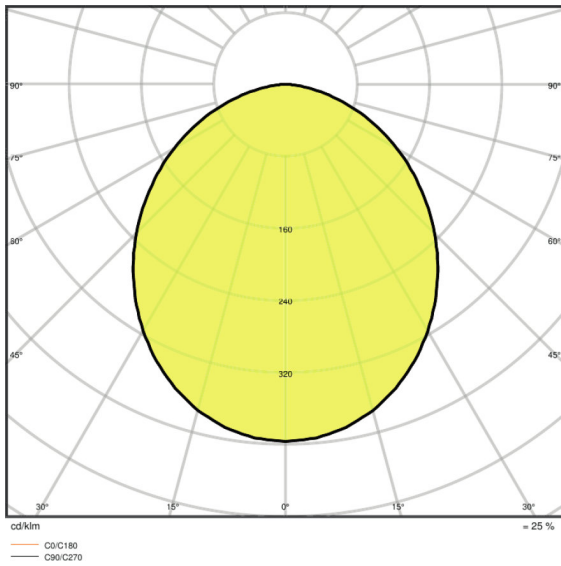


LDC typ polar

## SAFETY ADVICE

Max. wind load surface 0.124 m²

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075423763 | Shipping carton box 1 | 407 mm x 95 mm x 516 mm | 6665.00 g | 19.95 dm³ |

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 | 🔧 | 📦 |
|---|---|---|---|---|---|
| 65 W | 150 | 108 | 8.5 | 2x M8 | 0.046 m³ |
| 80 W | 150 | 108 | 10.5 | 2x M10 | 0.061 m³ |
| 125 W | 170 | 118 | 10.5 | 2x M10 | 0.083 m³ |
| 165 W | 170 | 118 | 13.5 | 2x M12 | 0.102 m³ |
| 200 W | 170 | 118 | 12.5 | 2x M12 | 0.124 m³ |
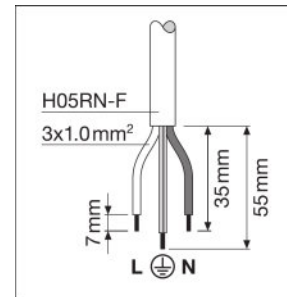


## REFERENCES / LINKS

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.

—