

# PRODUCT DATASHEET

## FL PFM 10 W 6500 K SYM 100 BK

FLOODLIGHT 10 W | Versatile floodlight with up to 1200 lm light output



### Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas
- Gardens, balconies and other outdoor areas

### 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<sub>AC</sub>
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)
- Mounting bracket with 30° angle and wide rotation area
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm<sup>2</sup> single wires

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**TECHNICAL DATA****Electrical data**

|                                          |                       |
|------------------------------------------|-----------------------|
| Nominal wattage                          | 10.00 W               |
| Nominal voltage                          | 100...277 V           |
| Mains frequency                          | 50...60 Hz            |
| Nominal current                          | 49 mA                 |
| Inrush current                           | 3.68 A                |
| Inrush current time $T_{h50}$            | 27 $\mu$ s            |
| Max. no. of lum. on circuit break. B16 A | 195                   |
| Max. no. of lum. on circuit break. C10 A | 142                   |
| Max. no. of lum. on circuit break. C16 A | 228                   |
| Power factor $\lambda$                   | > 0.90                |
| Total harmonic distortion                | < 20 %                |
| Protection class                         | I                     |
| Operating mode                           | Integrated LED driver |

**Photometrical data**

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 1200 lm       |
| Luminous efficacy                            | 120 lm/W      |
| Color temperature                            | 6500 K        |
| Light color (designation)                    | Cool Daylight |
| Color rendering index Ra                     | $\geq 80$     |
| Standard deviation of color matching         | $\leq 5$ sdcm |
| 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 ° |



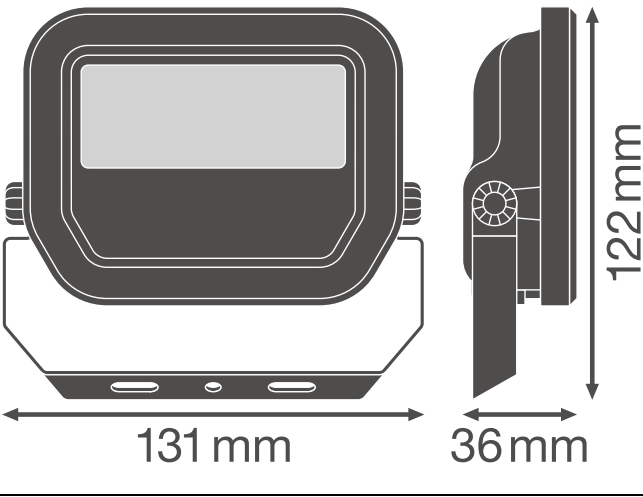
LDC typ cone



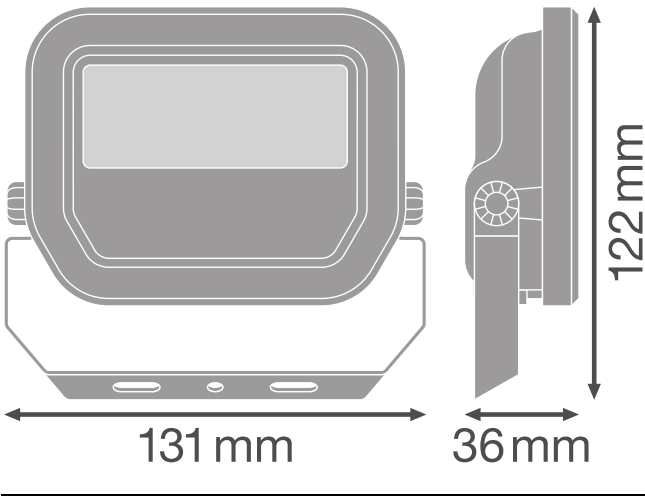
LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 122.00 mm |
| Width          | 131.00 mm |
| Height         | 36.00 mm  |
| Product weight | 400.00 g  |
| Cable length   | 1000 mm   |



Product line drawing with numbers



Product line drawing with numbers

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) | IK07                   |
| Dimmable                               | No                     |
| Mounting type                          | Surface                |
| Mounting location                      | Wall / Ceiling / Floor |
| Application environment                | Outdoor                |
| Adjustable                             | Yes                    |
| LED module replaceable                 | Not replaceable        |

|                   |     |
|-------------------|-----|
| With light source | Yes |
|-------------------|-----|

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

|                             |        |
|-----------------------------|--------|
| Output current              | 220 mA |
| ECG - Output ripple current | < 50 % |

Certificates & Standards

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

DOWNLOAD DATA

| DOWNLOAD DATA                                                                      |                               |
|------------------------------------------------------------------------------------|-------------------------------|
|  | User instruction              |
|  | Addon Technical Information   |
|  | Addon Technical Information   |
|  | Addon Technical Information   |
|  | Tender documents              |
|  | Declarations Of Conformity CE |
|  | IES file (IES)                |
|  | LDT file (Eulumdat)           |
|  | R3D file (Relux 3D Model)     |

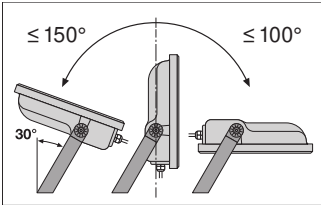
| DOWNLOAD DATA                                                                    |                                        |
|----------------------------------------------------------------------------------|----------------------------------------|
|  | ROLF file (RELUX)                      |
|  | M4D file (3D Model with rotation axis) |
|  | ULD file (DIALux)                      |
|  | UGR file (UGR table)                   |
|  | Packaging insert                       |

LOGISTICAL DATA

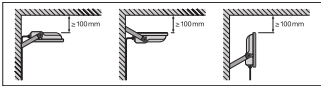
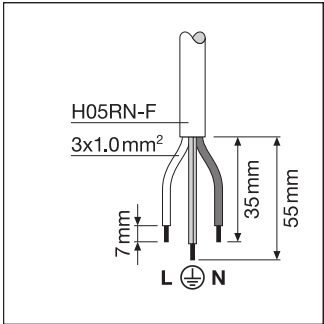
| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075420922 | Folding box<br>1             | 136 mm x 57 mm x 118 mm              | 447.00 g     | 0.91 dm³  |
| 4058075420939 | Shipping box<br>12           | 360 mm x 286 mm x 144 mm             | 5840.00 g    | 14.83 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   | Key   | Weight   |
|------|----|-----|-----|-------|----------|
| 10 W | 38 | 80  | 5.5 | 2x M4 | 0.014 m³ |
| 20 W | 38 | 80  | 6.5 | 2x M5 | 0.018 m³ |
| 30 W | 38 | 90  | 6.5 | 2x M5 | 0.021 m³ |
| 50 W | 70 | 110 | 8.5 | 2x M6 | 0.028 m³ |



References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.