

PRODUCT DATASHEET

FL PFM 10 W 4000 K SYM 100 S WT

FLOODLIGHT SENSOR 10 W | Floodlight with flexible motion and daylight sensor, 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
- Demand optimized illumination due to flexible and programmable sensor
- Easy adjustment of sensor range, daylight detection and hold time
- Always-on override, activated via special mains switching pattern
- 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

- Flexible motion and daylight sensor
- Sensor with 350° pan and 180° tilt
- 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 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 mm² single wires

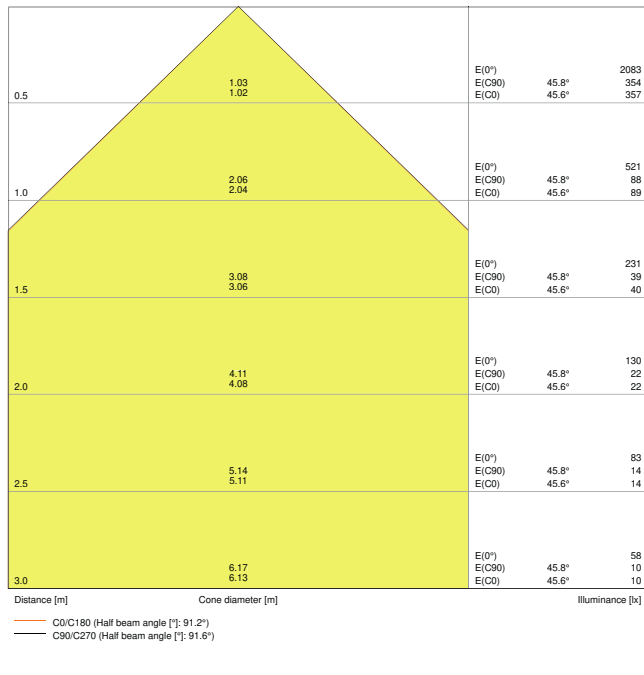
TECHNICAL DATA

Electrical data

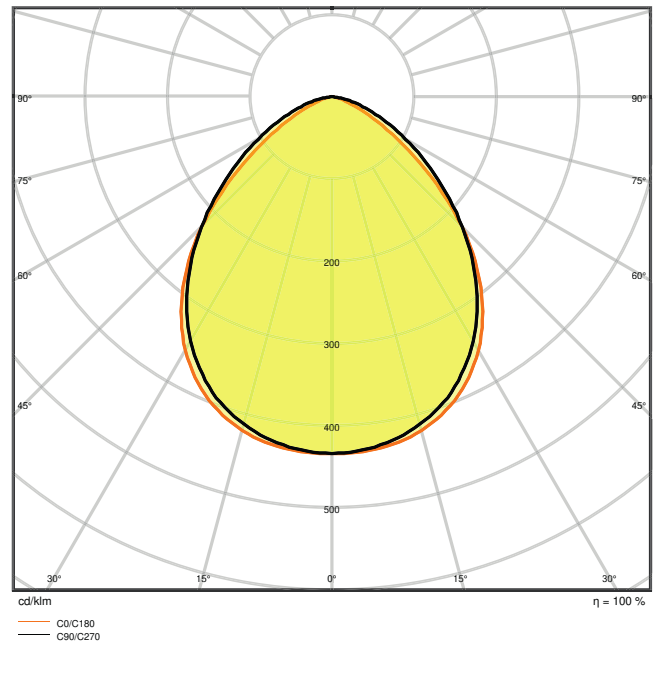
| | |
|---|-----------------------|
| Nominal wattage | 10.00 W |
| Nominal voltage | 100...277 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 48 mA |
| Inrush current | 7.2 A |
| Inrush current time T_{h50} | 21 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 185 |
| Max. number of luminaires per miniature circuit breaker C10 | 135 |
| Max. number of luminaires per miniature circuit breaker C16 | 216 |
| Power factor λ | > 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 | 4000 K |
| Light color (designation) | Cool White |
| 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 ° |



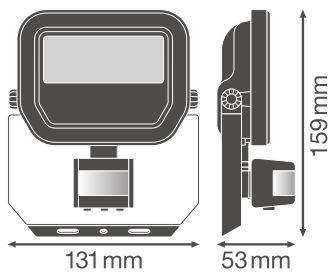
LDC typ cone



LDC typ polar

Dimensions & Weight

| | |
|----------------|-----------|
| Length | 159.00 mm |
| Width | 131.00 mm |
| Height | 53.00 mm |
| Product weight | 440.00 g |
| Cable length | 1000 mm |



Materials & Colors

| | |
|--|----------|
| Product color | White |
| Housing color | White |
| 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 |
| Application environment | Outdoor |
| Adjustable | Yes |
| LED module replaceable | Not replaceable |
| With light source | Yes |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 70000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 55000 h ¹⁾ |
| Lifespan L90/B10 at 25 °C | 35000 h |
| Number of switching cycles | 100000 |

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

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

Sensor

| | |
|------------------------|----------------------------|
| Type of sensor | Motion / Light |
| Sensor technology | Passive infrared/Photocell |
| Sensor detection angle | 40 °...160 ° |





| | |
|--|---------------|
| Sensor controlled switching time | 10 s...12 min |
| Detection range of motion sensor | 2...12 m |
| Detection threshold of daylight sensor | 10...2000 lx |
| Sensor IP rating | IP65 |

Certificates & Standards




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

DOWNLOAD DATA

Documents and certificates

| | |
|--|-------------------------------|
|  | User instruction |
|  | Addon Technical Information |
|  | Packaging insert |
|  | Declarations Of Conformity CE |

Photometric and lighting design files

| | |
|---|----------------------|
|  | IES file (IES) |
|  | LDT file (Eulumdat) |
|  | ULD file (DIALux) |
|  | ROLF file (RELUX) |
|  | UGR file (UGR table) |
|  | LDC typ cone |
|  | LDC typ polar |

CAD/BIM files

| | |
|--|-------------|
|  | CAD_STEP_3D |
|--|-------------|

Tender texts



Tender documents

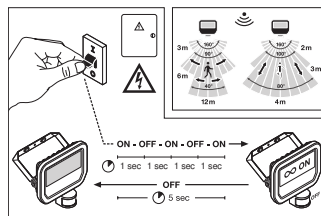
LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075460898 | Folding box 1 | 65 mm x 137 mm x 167 mm | 498.00 g | 1.49 dm ³ |
| 4058075460904 | Shipping box 12 | 403 mm x 283 mm x 184 mm | 6509.00 g | 20.99 dm ³ |

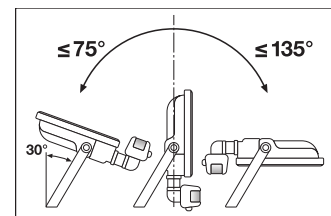
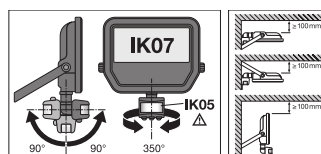
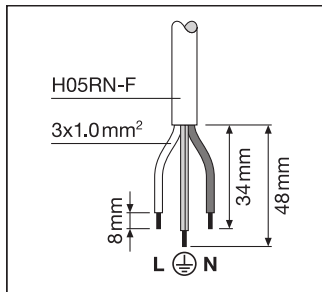
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION

| | SENS | LUX | TIME |
|--|------|-----------|----------------|
| | ~2m | < 10 lx | ~10 sec ±3 sec |
| | ~6m | < 100 lx | ~5 min ±2 min |
| | ~12m | < 2000 lx | ~12 min ±3 min |



| | A | B | C | | |
|-----|-----|----|-----|-------|---------------------|
| 10W | 58 | 38 | 8.5 | 2x M5 | 0.012m ² |
| 20W | 78 | 58 | 8.5 | 2x M6 | 0.016m ² |
| 50W | 108 | 78 | 8.5 | 2x M8 | 0.028m 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.