# PRODUCT DATASHEET
# FL PFM 65 W 6500 K SYM 100 BK

## FLOODLIGHT 65 W | Versatile floodlight with up to 8000 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 $mm^2$ single wires


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## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 65.00 W |
| Nominal voltage | 100...277 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 340 mA |
| Inrush current | 14.1 A |
| Inrush current time $T_{h50}$ | 145 µs |
| Max. no. of lum. on circuit break. B16 A | 29 |
| Max. no. of lum. on circuit break. C10 A | 21 |
| Max. no. of lum. on circuit break. C16 A | 33 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

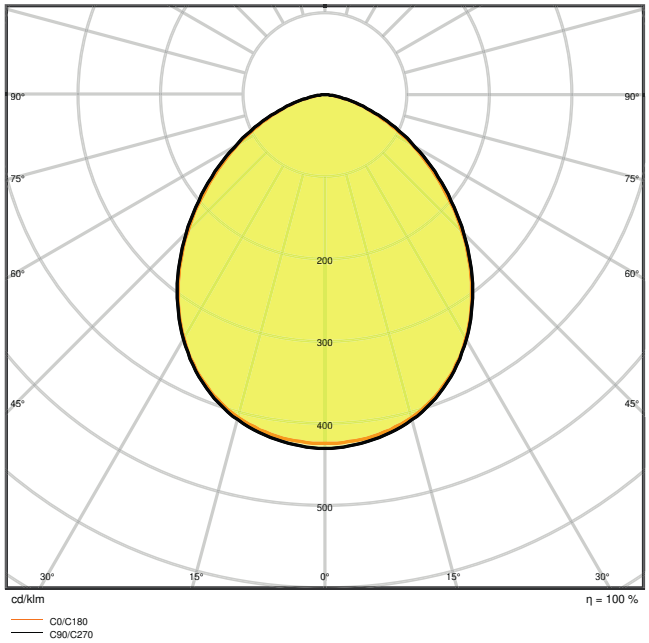
### Photometrical data

| | |
|---|---|
| Luminous flux | 8000 lm |
| Luminous efficacy | 123 lm/W |
| Color temperature | 6500 K |
| Light color (designation) | Cool Daylight |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | ≤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 ° |


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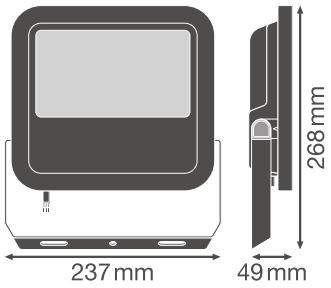

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## Dimensions & Weight

| | |
|---|---|
| Length | 268.00 mm |
| Width | 237.00 mm |
| Height | 49.00 mm |
| Product weight | 2100.00 g |
| Cable length | 1000 mm |




## Materials & Colors


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| | |
|---|---|
| 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 / 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 | 700 mA |
| 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


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– Max. wind load surface 0.046 m²

## DOWNLOAD DATA

| | DOWNLOAD DATA |
|---|---|
| PDF | User instruction |
| PDF | Addon Technical Information |
| PDF | Addon Technical Information |
| | Tender documents |
| | Tender documents |
| PDF | Declarations of conformity |
| | IES file (IES) |
| | LDT file (Eulumdat) |
| | R3D file (Relux 3D Model) |
| | M4D file (3D Model with rotation axis) |
| | ULD file (DIALux) |
| | UGR file (UGR table) |
| PDF | Packaging insert |

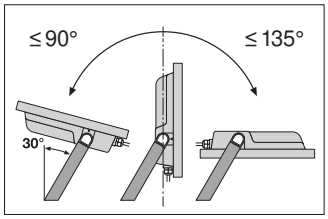
## LOGISTICAL DATA

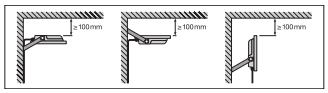
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075422490 | Shipping box<br>4 | 289 mm x 274 mm x 347 mm | 9413.00 g | 27.48 dm³ |

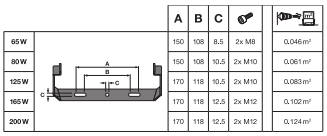
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.


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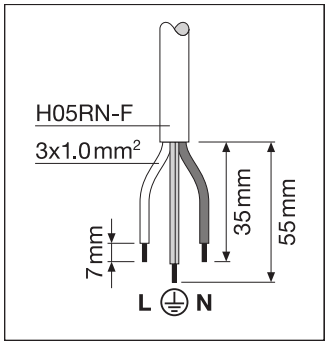
## ADDITIONAL CATALOG INFORMATION



| | A | B | C | | |
|---|---|---|---|---|---|
| 65 W | 150 | 108 | 8.5 | 2x M8 | 0.046 m² |
| 80 W | 150 | 108 | 10.5 | 2x M10 | 0.061 m² |
| 125 W | 170 | 118 | 10.5 | 2x M10 | 0.083 m² |
| 165 W | 170 | 118 | 12.5 | 2x M12 | 0.102 m² |
| 200 W | 170 | 118 | 12.5 | 2x M12 | 0.124 m² |




## References / Links

- For Guarantee see www.ledvance.com/guarantee

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