

# PRODUCT DATASHEET

## FL PFM DA SYM 60 200W 3000K BK

FLOODLIGHT PERFORMANCE DALI SYM 60 | DALI 2.0 based floodlight with symmetric light distribution for medium to high mast area lighting



### Areas of application

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP66)
- Parking
- Public areas
- Industry
- Sports facilities
- Lighting of large areas
- D-sign according to EN 60598-2-24 for fire-risk commercial unit, e.g. by accumulation of dust

### Product benefits

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- Bright, robust and durable
- Homogeneous luminance distribution and reduced glare
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Key hole to ensure ease of installation
- 5 years guarantee

### Product features

- DALI 2.0 interface for light management system integration
- High luminous efficacy: up to 140 lm/W
- Symmetric light distribution for medium to high mast area lighting
- Angled (45°) mounting bracket and up to 180° tilting
- High surge protection: up to 10 kV (L/N-PE), 6 kV (L-N)



- Integrated breather for preventing condensation inside the luminaire
- Connection via 2 m cable, wiring required
- Type of protection: IP66
- Impact resistance: IK08
- Ambient temperature in operation: -30...+50 °C

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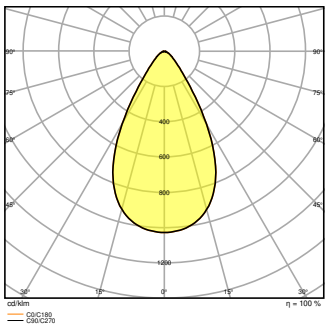
## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 200.00 W              |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 980.000 mA            |
| Inrush current                                              | 110 A                 |
| Inrush current time $T_{h50}$                               | 350 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 2                     |
| Max. number of luminaires per miniature circuit breaker C10 | 2                     |
| Max. number of luminaires per miniature circuit breaker C16 | 4                     |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 10 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

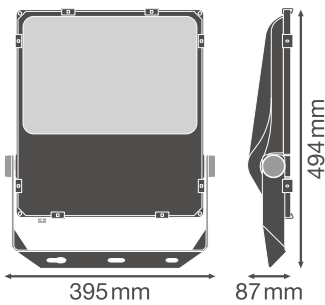
### Photometrical data

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 26400 lm      |
| Luminous efficacy                            | 132 lm/W      |
| Color temperature                            | 3000 K        |
| Light color (designation)                    | Warm white    |
| Color rendering index Ra                     | > 80          |
| Standard deviation of color matching         | $\leq 5$ sdcn |
| Low flicker                                  | Yes           |
| Photobiological safety group acc. to EN62778 | RG1           |
| Photobiological safety group acc. to EN62471 | RG1           |
| Beam angle                                   | 60 ° x 60 °   |



Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 494.00 mm |
| Width          | 395.00 mm |
| Height         | 87.00 mm  |
| Product weight | 6850.00 g |
| Cable length   | 2000 mm   |



Materials & Colors

|                                            |          |
|--------------------------------------------|----------|
| Product color                              | Black    |
| Housing color                              | Black    |
| Body material                              | Aluminum |
| Cover material                             | Glass    |
| 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, 5-pole                 |
| Type of protection                     | IP66                          |
| Protection class IK (shock resistance) | IK08                          |
| Dimmable                               | Yes                           |
| Type of dimming                        | DALI                          |
| Mounting type                          | Surface                       |
| Mounting location                      | Wall / Pole / Floor / Ceiling |
| Application environment                | Outdoor                       |
| Adjustable                             | Yes                           |
| LED module replaceable                 | Not replaceable               |
| With light source                      | Yes                           |

## Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 70000 h <sup>1)</sup>  |
| Lifespan L90/B10 at 25 °C  | 30000 h                |
| Number of switching cycles | 100000                 |

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

## Control gear

|                             |        |
|-----------------------------|--------|
| ECG - Output ripple current | < 10 % |
|-----------------------------|--------|

## Certificates & Standards

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

## DOWNLOAD DATA

| Documents and certificates                                                         |                  |
|------------------------------------------------------------------------------------|------------------|
|  | User instruction |

## Documents and certificates



Addon Technical Information



Packaging insert



Declarations Of Conformity CE



Declarations Of Conformity UKCA



Certificates

## Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



ULD file (DIALux)



ROLF file (RELUX)



LDC typ polar

## CAD/BIM files



BIM\_Revit\_3D



CAD\_STEP\_3D

## Tender texts



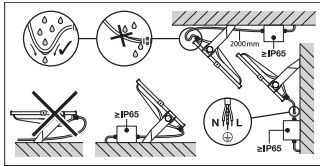
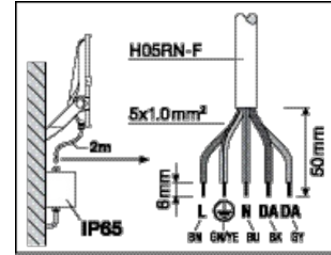
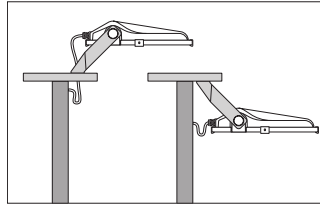
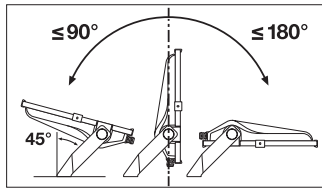
Tender documents

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075760837 | Shipping box<br>1            | 568 mm x 140 mm x 430 mm             | 6878.00 g    | 34.20 dm <sup>3</sup> |

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



## 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.