

# PRODUCT DATASHEET

## LED PFM DL 8 W 3000 K DALI

LED PERFORMANCE DOWNLIGHT G2 | LED downlight luminaires



### Areas of application

- Offices
- Shopping malls
- Retail
- Hospitality

### Product benefits

- Stylish design
- Die-cast aluminum housing for improved heat dissipation
- Good glare reduction (UGR < 19) and cut off angle up to 30° for comfortable indoor lighting
- External driver design allows for flexible change of control gear
- Low maintenance and operation costs due to long lifetime of LED
- Can be wireless controlled via cooperating with LEDVANCE LMS Bridge Superior
- Type of protection: IP54 (room side) provides additional protection against humidity

### Product features

- Available with color temperature: 3,000 K, 4,000 K, 6,500 K
- Color rendering index  $R_a$ : > 80
- Initial color consistency: < 5 SDCM
- Long lifetime up to 50,000 h
- Available with diameter: 4 inch, 6 inch and 8 inch
- Available with wattage: 8 W, 11 W, 14 W, 17 W and 21 W



- Available with version: on/off switch, 1-10 V dimmable and DALI dimmable

TECHNICAL DATA

Electrical data

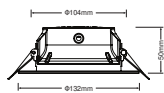
|                           |                     |
|---------------------------|---------------------|
| Nominal wattage           | 8.00 W              |
| Nominal voltage           | 220...240 V         |
| Mains frequency           | 50...60 Hz          |
| Power factor $\lambda$    | > 0.90              |
| Total harmonic distortion | < 20 %              |
| Protection class          | II                  |
| Operating mode            | External LED driver |

Photometrical data

|                                      |            |
|--------------------------------------|------------|
| Luminous flux                        | 840 lm     |
| Luminous efficacy                    | 105 lm/W   |
| Color temperature                    | 3000 K     |
| Light color (designation)            | Warm White |
| Color rendering index Ra             | 80         |
| Standard deviation of color matching | ≤5 sdcn    |
| Beam angle                           | 65 °       |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 132.00 mm |
| Height         | 50.00 mm  |
| Product weight | 285.00 g  |



LDPFM DL

Materials & Colors

|                |                               |
|----------------|-------------------------------|
| Product color  | Gray                          |
| Housing color  | Gray                          |
| Body material  | Metal                         |
| Cover material | Polymethylmethacrylate (PMMA) |

|                 |        |
|-----------------|--------|
| Mercury content | 0.0 mg |
|-----------------|--------|

### Application & Mounting

|                           |                  |
|---------------------------|------------------|
| Ambient temperature range | -20...+70 °C     |
| Type of connection        | Cable, 2-pole    |
| Type of protection        | IP54/IP20        |
| Dimmable                  | Yes              |
| Type of dimming           | DALI             |
| Mounting type             | Recessed         |
| Mounting location         | Ceiling          |
| Application environment   | Indoor           |
| Mounting diameter         | 105.0...115.0 mm |
| Mounting depth            | ≥ 30 mm          |
| Replaceable light source  | No               |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Number of switching cycles | 30000                 |

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

### Certificates & Standards

|                                  |                 |
|----------------------------------|-----------------|
| Replaceable light source (EPREL) | Not replaceable |
|----------------------------------|-----------------|

### DOWNLOAD DATA

| Documents and certificates                                                                                                | Document name                     |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
|  User instruction / safety instructions | LED PERFORMANCE DOWNLIGHT G2 DALI |

| Photometric and lighting design files                                                             | Document name               |
|---------------------------------------------------------------------------------------------------|-----------------------------|
|  IES file (IES) | LDPFM DL 105 DALI 8W 830 G2 |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075348158 | Folding box<br>1             | 174 mm x 74 mm x 177 mm              | 402.00 g     | 2.28 dm <sup>3</sup> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075348165 | Shipping box<br>30           | 543 mm x 390 mm x 385 mm             | 13192.00 g   | 81.53 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.

DISCLAIMER

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