

# PRODUCT DATASHEET

## LED Performance Surface Mount Downlight 16 W 15 ° 4000 K Black

LED PERFORMANCE SURFACE MOUNT DOWNLIGHT | LED downlights for ceiling surface mounting



### Areas of application

- Shops, supermarkets
- Public areas
- Corridors

### Product benefits

- High power COB LED provides high lumen output in compact housing
- Low flicker light thanks to special electronic control gear
- Good color rendering for the best product presentation

### Product features

- Available in two housing colors
- Available with color temperature: 3,000 K, 4,000 K
- Color rendering index  $R_a$ : > 90
- Power factor: > 0.9
- Initial color consistency: < 5 SDCM
- Lifetime (L70/B50): up to 30,000 h
- Type of protection: IP20
- CCC marked, CB test certificate



## TECHNICAL DATA

### Electrical data

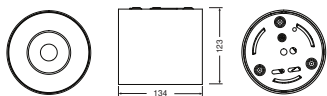
|                           |                     |
|---------------------------|---------------------|
| Nominal wattage           | 16.00 W             |
| Nominal voltage           | 220...240 V         |
| Mains frequency           | 50...60 Hz          |
| Power factor $\lambda$    | 0.90                |
| Total harmonic distortion | < 20 %              |
| Protection class          | II                  |
| Operating mode            | External LED driver |

### Photometrical data

|                                      |               |
|--------------------------------------|---------------|
| Luminous flux                        | 1250 lm       |
| Luminous efficacy                    | 78 lm/W       |
| Color temperature                    | 4000 K        |
| Light color (designation)            | Cool White    |
| Color rendering index Ra             | 90            |
| Standard deviation of color matching | $\leq 5$ sdcn |
| Beam angle                           | 15 °          |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 134.00 mm |
| Height         | 123.00 mm |
| Product weight | 712.00 g  |
| Cable length   | 110 mm    |



SURFACE DOWNLIGHT 16/20W

### Materials & Colors

|               |          |
|---------------|----------|
| Product color | Black    |
| Housing color | Black    |
| Body material | Aluminum |

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

### Application & Mounting

|                              |               |
|------------------------------|---------------|
| Ambient temperature range    | -20...+40 °C  |
| Temperature range at storage | -20...+70 °C  |
| Type of connection           | Cable, 2-pole |
| Type of protection           | IP20          |
| Dimmable                     | No            |
| Mounting type                | Surface       |
| Mounting location            | Ceiling       |
| Application environment      | Indoor        |

### Lifespan


|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 30000 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

| Photometric and lighting design files   | Document name             |
|---|---------------------------|
|  IES file (IES) | LDPFM SURF DL 16W/940 15D |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075333598 | Folding box<br>1             | 140 mm x 140 mm x 128 mm             | 794.00 g     | 2.51 dm <sup>3</sup>  |
| 4058075333604 | Shipping box<br>12           | 440 mm x 300 mm x 275 mm             | 10308.00 g   | 36.30 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.

### DISCLAIMER

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