

# PRODUCT DATASHEET

## Downlight Essential 18W 220mm 840 White

ESSENTIALS DOWNLIGHTS | LED Downlight with plastic housing



---

### Areas of application

- Indoor
- Living areas (living rooms, dining rooms, bedrooms etc.)

---

### Product benefits

- Easy to install and use
- Long lifetime thanks to LED technology
- Cost-effective

---

### Product features

- Type of protection: IP20
- Lifetime up to 25,000 h
- Available with color temperature: 4,000 K, 6,500 K
- Polypropylene housing

---

## TECHNICAL DATA

### Electrical data

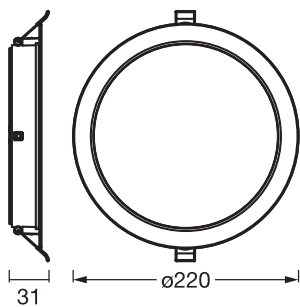
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 18.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 103.000 mA          |
| Inrush current                                              | 20 A                |
| Inrush current time $T_{h50}$                               | 1480 $\mu$ s        |
| Max. number of luminaires per miniature circuit breaker B16 | 37                  |
| Max. number of luminaires per miniature circuit breaker C10 | 30                  |
| Max. number of luminaires per miniature circuit breaker C16 | 48                  |
| Power factor $\lambda$                                      | > 0.5               |
| Total harmonic distortion                                   | < 87 %              |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                                |            |
|------------------------------------------------|------------|
| Luminous flux                                  | 1650 lm    |
| Total luminous flux of contained light sources | 1900 lm    |
| Luminous efficacy                              | 92 lm/W    |
| Color temperature                              | 4000 K     |
| Light color (designation)                      | Warm White |
| Color rendering index Ra                       | 80         |
| Standard deviation of color matching           | 6 sdcm     |
| Photobiological safety group acc. to EN62778   | RG0        |
| Beam angle                                     | 110 °      |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 220.00 mm |
| Height         | 31.00 mm  |
| Product weight | 176.00 g  |



DL ESSENTIAL 18W 220MM  
840/865 WT 10X6

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| Body material                              | Polypropylene (PP) |
| Cover material                             | Polypropylene (PP) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |

Application & Mounting

|                                        |                |
|----------------------------------------|----------------|
| Ambient temperature range              | -20...+40 °C   |
| Type of connection                     | Screw terminal |
| Type of protection                     | IP20           |
| Protection class IK (shock resistance) | IK03           |
| Dimmable                               | No             |
| Mounting type                          | Recessed       |
| Mounting location                      | Ceiling        |
| Application environment                | Indoor         |
| Mounting diameter                      | 200 mm         |
| Mounting depth                         | 50 mm          |
| With light source                      | Yes            |
| Replaceable light source               | No             |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 25000 h <sup>1)</sup> |
| Number of switching cycles | 12500                 |

<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

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Standards                                            | CE / UKCA       |
| Luminaire with limited surface temperature, "D sign" | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

### Safety advice

- Luminaire must be disconnected from mains during installation, maintenance and cover removal

### DOWNLOAD DATA

| Documents and certificates                                                       |                                        | Document name               |
|----------------------------------------------------------------------------------|----------------------------------------|-----------------------------|
|  | User instruction / safety instructions | Downlight Essential         |
|  | Declarations of conformity             | DL ESSENTIAL AND TRACKLIGHT |
|  | Declarations of conformity UKCA        | DL ESSENTIAL AND TRACKLIGHT |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075845114 | Folding box<br>6             | 229 mm x 199 mm x 238 mm             | 1194.00 g    | 10.85 dm <sup>3</sup>  |
| 4058075845121 | Shipping box<br>60           | 1,007 mm x 474 mm x 264 mm           | 13774.00 g   | 126.01 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.