PRODUCT DATASHEET
Downlight Essential 18W 220mm 865 White

Essential 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

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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 time T_{h50}	1480 µs
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 λ	> 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	6500 K
Light color (designation)	Cool Daylight
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

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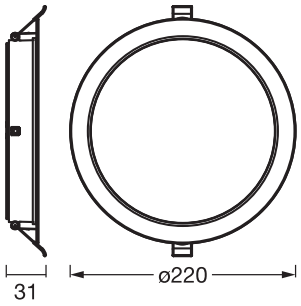

DL ESSENTIAL 18W 220MM
840/865 WT 10X6

Materials & Colors

Product color	White
Housing color	White
Body material	Polyprophylene (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
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 [1)]
Number of switching cycles	12500

1) 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

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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
PDF	User instruction / safety instructions	DOWNLIGHT SLIM ESSENTIAL
PDF	Legal information	Safety insert G11219279
PDF	Declarations of conformity	DL ESSENTIAL AND TRACKLIGHT
PDF	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
4099854478710	Folding box 6	229 mm x 199 mm x 238 mm	1194.00 g	10.85 dm^3
4099854478727	Shipping box 60	1,007 mm x 474 mm x 264 mm	13774.00 g	126.01 dm^3

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.

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