

PRODUCT DATASHEET

Essential Downlight 220mm 18W 830 White

Essential Downlights | LED Downlight with plastic housing

Areas of application

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



Product benefits

- Through-wiring possible with included connector box
- Easy mounting

Product features

- Recessed ceiling mounting
- Color temperature: 3,000 K
- Through wiring possible
- Type of protection: IP20

TECHNICAL DATA

Electrical data

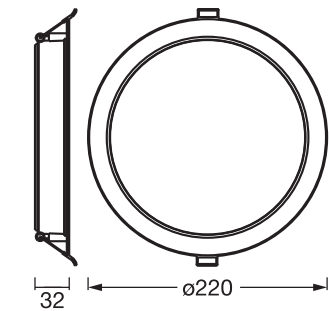
Nominal wattage	18.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	102.000 mA
Max. number of luminaires per miniature circuit breaker B16	37
Max. number of luminaires per miniature circuit breaker C16	48
Power factor λ	> 0.5
Total harmonic distortion	< 87 %
Protection class	II
Operating mode	Mains voltage

Photometrical data

Luminous flux	1600 lm
Total luminous flux of contained light sources	1600 lm
Luminous efficacy	88 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcm
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

Dimensions & Weight

Diameter	220.00 mm
Height	31.00 mm
Product weight	174.00 g



DL ESSENTIAL 18W 220MM 830
WT 10X6

Materials & Colors

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

Application & Mounting

Ambient temperature range	-20...+40 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP20/IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Recessed
Mounting location	Ceiling
Mounting diameter	200 mm
Mounting depth	30 mm
With light source	Yes
Replaceable light source	No

Lifespan

Number of switching cycles	12500
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Emergency lighting

Type of emergency operation test	None
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Certificates & Standards

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

Additional product data

Product remark	Available from October 2025
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Safety advice

- Luminaire must be disconnected from mains during installation, maintenance and cover removal
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	G11240679 UI DL ESSENTIAL
	Legal information	Legal insert
	Declarations of conformity	CE Declaration Downlight Essential
	Declarations of conformity UKCA	UKCA Declaration Downlight Essential

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075853973	Folding box 6	199 mm x 229 mm x 238 mm	1248.00 g	10.85 dm ³
4058075853980	Shipping box 60	1,007 mm x 474 mm x 264 mm	14186.00 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.