PRODUCT DATASHEET
Essential Orbis 230mm 12W 830 Black

Essential Orbis | LED ceiling luminaire with plastic ring

Areas of application

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

Product benefits

- Long lifetime thanks to LED technology
- Excellent price/performance ratio
- Easy mounting

Product features

- Ceiling luminaire with advanced LED technology
- Color temperature: 3,000 K
- Lifetime up to 30,000 h
- Type of protection: IP20

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TECHNICAL DATA

Electrical data

Nominal wattage	12.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	110.000 mA
Inrush current	0.55 A
Inrush current time T_{h50}	196 µs
Max. number of luminaires per miniature circuit breaker B16	87
Max. number of luminaires per miniature circuit breaker C10	90
Max. number of luminaires per miniature circuit breaker C16	145
Power factor λ	> 0.5
Total harmonic distortion	60.15 %
Protection class	II
Operating mode	Mains voltage

Photometrical data

Luminous flux	1000 lm
Total luminous flux of contained light sources	1400
Luminous efficacy	83 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)	<0.5
Photobiological safety group acc. to EN62778	RG0
Beam angle	115 °

Dimensions & Weight

Diameter	230.00 mm
Height	25.00 mm
Product weight	400.00 g

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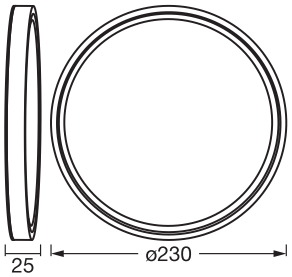

ORBIS ESS 230MM 12W 830

Materials & Colors

Product color	Black
Housing color	Black
Body material	Acrylonitrile butadiene styrene (ABS)
Cover material	Polystyrene (PS)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Wall
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 h [1)]
Number of switching cycles	15000

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

Emergency lighting

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Type of emergency operation test	None

Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Mounting screws and dowels included

Safety advice

- Luminaire must be disconnected from mains during installation, maintenance and cover removal
- Check wall-ceiling for suitability. If uncertain, seek professional advice.
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	Orbis Essential
PDF	Declarations of conformity	CE Declaration Orbis Essential
PDF	Declarations of conformity UKCA	UKCA Declaration Orbis Essential

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854621307	Bundle 1	25 mm x 230 mm x 230 mm	406.00 g	1.32 dm^3
4099854621314	Shipping box 10	455 mm x 260 mm x 250 mm	4888.00 g	29.58 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

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