

# PRODUCT DATASHEET Essential Orbis 300mm 18W 830 White

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



# TECHNICAL DATA

# Electrical data

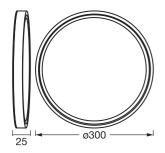
Nominal wattage	18.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	165.000 mA
Inrush current	0.825 A
Inrush current time T <sub>h50</sub>	142 µs
Max. number of luminaires per miniature circuit breaker B16	58
Max. number of luminaires per miniature circuit breaker C10	60
Max. number of luminaires per miniature circuit breaker C16	96
Power factor $\lambda$	> 0.5
Total harmonic distortion	63.10 %
Protection class	II
Operating mode	Mains voltage

## Photometrical data

Luminous flux	1600 lm
Total luminous flux of contained light sources	2000
Luminous efficacy	89 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	300.00 mm
Height	25.00 mm
Product weight	650.00 g



ORBIS ESS 300MM 18W 830

#### Materials & Colors

Product color	White
Housing color	White
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	-2040 °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 <sup>1)</sup>
Number of switching cycles	15000

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

# **Emergency lighting**

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

## Additional product data

Product remark	Available from September 2025

## **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
4099854621383	Bundle 1	25 mm x 300 mm x 300 mm	658.00 g	2.25 dm <sup>3</sup>
4099854621390	Shipping box 10	330 mm x 300 mm x 320 mm	7398.00 g	31.68 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.