

# PRODUCT DATASHEET

## Orbis Berlin 300 mm 16W 830 SI

ORBIS BERLIN | LED ceiling luminaires with plastic ring



---

### Areas of application

- Indoor applications
- Kitchens, living rooms, children's rooms or home offices

---

### Product benefits

- Very homogenous light
- Elegant design

---

### Product features

- Decorative domestic lighting
- Ceiling luminaire with advanced LED technology



## TECHNICAL DATA

### Electrical data

Nominal wattage	16.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	125.000 mA
Max. number of luminaires per miniature circuit breaker B16	68
Max. number of luminaires per miniature circuit breaker C16	92
Power factor $\lambda$	> 0.5
Total harmonic distortion	< 110 %
Protection class	I
Operating mode	Electronic control gear (ECG)

### Photometrical data

Luminous flux	1000 lm
Total luminous flux of contained light sources	2000 lm
Luminous efficacy	62 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

### Dimensions & Weight

Diameter	293.00 mm
Height	65.00 mm
Product weight	400.00 g



## Materials & Colors

Product color	Silver
Housing color	Silver
Body material	Metal
Cover material	Plastic
Glow Wire Test according to IEC 60695-2-12	650 °C

## Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-20...+80 °C
Type of connection	Terminal, 3-Pole (L, N, PE)
Type of protection	IP20
Dimmable	No
Mounting type	Surface
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

## Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Number of switching cycles	25000

<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

## Additional product data

Product remark	Available from September 2023
Number of illuminants	1

## DOWNLOAD DATA

**Documents and certificates**

User instruction



Packaging insert



Declarations Of Conformity CE



Declarations Of Conformity UKCA

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075829305	Folding box 1	70 mm x 310 mm x 310 mm	569.00 g	6.73 dm <sup>3</sup>
4058075829312	Shipping box 6	440 mm x 330 mm x 330 mm	4201.00 g	47.92 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.