

# PRODUCT DATASHEET Orbis London 280 mm 16W 830 WT

ORBIS LONDON | 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	220240 V	
Mains frequency	5060 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 λ	> 0.5	
Total harmonic distortion	< 110 %	
Protection class	1	
Operating mode	Electronic control gear (ECG)	

#### Photometrical data

Luminous flux	1050 lm
Total luminous flux of contained light sources	2000 lm
Luminous efficacy	65 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 sdcm
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

# Dimensions & Weight

Diameter	280.00 mm
Height	70.00 mm
Product weight	400.00 g

ORBIS LONDON 280MM 16W 830 WT

Materials & Colors

Product color	White
Housing color	White
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	
With light source	Yes	
Replaceable light source	No	

### 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
Ball shot safe	No

# Additional product data

Number of illuminants	empty
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### Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

### DOWNLOAD DATA

	ocuments and certificates Document name		
PDF	User instruction / safety instructions	ORBIS	
PDF	Legal information	Safety insert G11219601	
PDF	Declarations of conformity	ORBIS LONDON DUBLIN BERLIN	
PDF	Declarations of conformity UKCA	ORBIS LONDON DUBLIN BERLIN	

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854448379	Folding box	300 mm x 85 mm x 300 mm	723.00 g	7.65 dm <sup>3</sup>
4099854448386	Shipping box 6	470 mm x 320 mm x 320 mm	4196.00 g	48.13 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.