

# PRODUCT DATASHEET

## Orbis Helman 295MM 16W 830 White and Silver

Orbis Helman | LED ceiling luminaire with plastic ring



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### Areas of application

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

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### Product benefits

- Easy to install and use
- Long lifetime thanks to LED technology

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### Product features

- Type of protection: IP20
- Lifetime up to 30,000 h
- Color temperature: 3,000 K (Warm White)
- Robust quality with high-grade plastic



## TECHNICAL DATA

### Electrical data

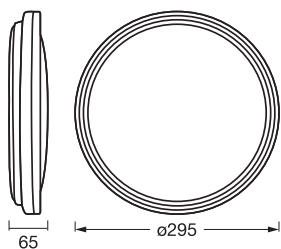
Nominal wattage	16.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	125.000 mA
Inrush current	0.125 A
Inrush current time $T_{h50}$	196 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	68
Max. number of luminaires per miniature circuit breaker C10	57
Max. number of luminaires per miniature circuit breaker C16	92
Power factor $\lambda$	> 0.5
Total harmonic distortion	< 110 %
Protection class	I
Operating mode	External LED driver

### Photometrical data

Luminous flux	1100 lm
Total luminous flux of contained light sources	2000 lm
Luminous efficacy	68 lm/W
Color temperature	3000 K
Reference control setting of contained light source (Kelvin)	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	295.00 mm
Height	65.00 mm
Product weight	350.00 g



ORBIS HELMAN 295MM 16W 830  
WT SI

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
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling
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
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.
- 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.
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	ORBIS HELMAN 830 WT SI
	Declarations of conformity	ORBIS HELMAN ORBIS PEDERSON
	Declarations of conformity UKCA	ORBIS HELMAN ORBIS PEDERSON

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854283420	Folding box 1	77 mm x 307 mm x 308 mm	499.00 g	7.28 dm <sup>3</sup>
4099854283437	Shipping box 6	478 mm x 323 mm x 333 mm	3797.00 g	51.41 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.