

PRODUCT DATASHEET

Orbis Helman 295MM 16W 830 White and Silver

Orbis Helman | LED ceiling luminaire with plastic ring



Areas of application

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

Product benefits

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

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

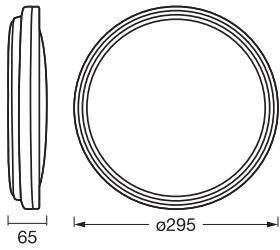
| | |
|---|---------------------|
| Nominal wattage | 16.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 125.000 mA |
| Inrush current | 0.125 A |
| Inrush current time T_{h50} | 196 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 68 |
| Max. number of luminaires per miniature circuit breaker C10 | 57 |
| Max. number of luminaires per miniature circuit breaker C16 | 92 |
| Power factor λ | > 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 _m |
| 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 |
| LED module replaceable | Not replaceable |
| With light source | Yes |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 50000 h ¹⁾ |
| Number of switching cycles | 25000 |

¹⁾ 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 |




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.

DOWNLOAD DATA

| Documents and certificates | Document name |
|--|-----------------------------|
|  User Instruction | 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 ³ |
| 4099854283437 | Shipping box 6 | 478 mm x 323 mm x 333 mm | 3797.00 g | 51.41 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.