

# PRODUCT DATASHEET

## Orbis Iris 2 Layer 390mm 48W 830 White

Orbis Iris 2 Layer | LED ceiling luminaires with plastic ring



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### Areas of application

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

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### Product benefits

- Long lifetime thanks to LED technology
- Excellent price/performance ratio

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### Product features

- Ceiling luminaire with advanced LED technology
- Color temperature: 3,000 K
- Lifetime up to 30,000 h
- Modern design



TECHNICAL DATA

Electrical data

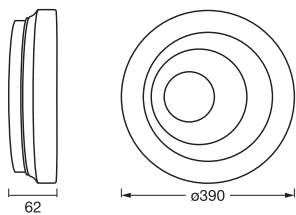
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 48.00 W       |
| Nominal voltage                                             | 220...240 V   |
| Mains frequency                                             | 50...60 Hz    |
| Nominal current                                             | 240.000 mA    |
| Max. number of luminaires per miniature circuit breaker B16 | 60            |
| Max. number of luminaires per miniature circuit breaker C10 | 62            |
| Max. number of luminaires per miniature circuit breaker C16 | 100           |
| Power factor $\lambda$                                      | > 0.90        |
| Total harmonic distortion                                   | 65.7 %        |
| Protection class                                            | I             |
| Operating mode                                              | Mains voltage |

Photometrical data

|                                                |                     |
|------------------------------------------------|---------------------|
| Luminous flux                                  | 2000 lm             |
| Total luminous flux of contained light sources | 2300                |
| Luminous efficacy                              | 42 lm/W             |
| Color temperature                              | 3000 K              |
| Light color (designation)                      | Warm White          |
| Color rendering index Ra                       | > 80                |
| Standard deviation of color matching           | ≤6 sdc <sub>m</sub> |
| Flickering metric (Pst LM)                     | <1                  |
| Stroboscope effect metric (SVM)                | <0.4                |
| Photobiological safety group acc. to EN62778   | RG0                 |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 390.00 mm |
| Height         | 62.00 mm  |
| Product weight | 900.00 g  |



ORBIS IRIS 2 LAYER 390MM 48W  
830 WT

Materials & Colors

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Product color                              | White                         |
| Housing color                              | White                         |
| Body material                              | Steel                         |
| Cover material                             | Polymethylmethacrylate (PMMA) |
| 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 length                        | 390 mm                      |
| Mounting diameter                      | 390 mm                      |
| With light source                      | Yes                         |
| Replaceable light source               | No                          |

Lifespan

|                           |                       |
|---------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 30000 h <sup>1)</sup> |
|---------------------------|-----------------------|

1) 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 &amp; 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.
- Caution, risk of electric shock.
- All electrical connections must be made by a qualified person.
- 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.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name               |
|------------------------------------------------------------------------------------|----------------------------------------|-----------------------------|
|  | User instruction / safety instructions | Orbis Iris Layers White     |
|  | Declarations of conformity             | CE Declaration Orbis Iris   |
|  | Declarations of conformity UKCA        | UKCA Declaration Orbis Iris |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854598333 | Folding box<br>1             | 70 mm x 413 mm x 413 mm              | 1063.00 g    | 11.94 dm <sup>3</sup> |
| 4099854598340 | Shipping box<br>5            | 430 mm x 355 mm x 430 mm             | 5948.00 g    | 65.64 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.

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## DISCLAIMER

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