

PRODUCT DATASHEET

Orbis Iris 2 Layer 390mm 48W 830 White

Orbis Iris 2 Layer | LED ceiling luminaires with plastic ring



Areas of application

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

Product benefits

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

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

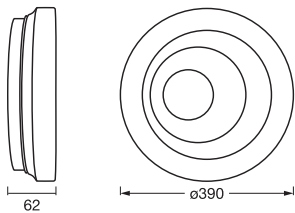
Nominal wattage	48.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	240.000 mA
Max. number of luminaires per miniature circuit breaker B16	60
Max. number of luminaires per miniature circuit breaker C10	62
Max. number of luminaires per miniature circuit breaker C16	100
Power factor λ	> 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 _m
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 2LAYER 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 ¹⁾
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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
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Certificates & Standards

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
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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

LOGISTICAL DATA

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