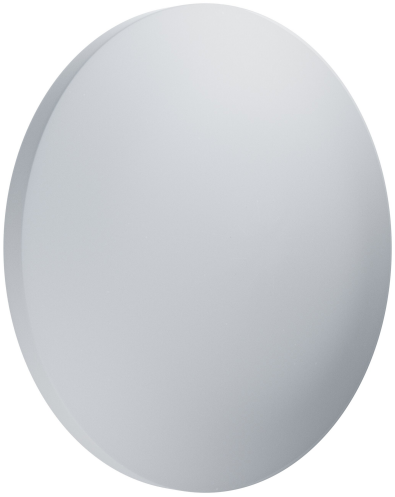
PRODUCT DATASHEET
Orbis IP44 Sensor 300mm 15.5W

ORBIS® IP44 | Splash-proof LED ceiling luminaire with sensor



Areas of application

- Entrances / Hallways
- Bathrooms
- Ceiling and wall surface mounting
- Outdoor use (roofed areas) in residential sector

Product benefits

- Very homogenous light
- Easy and quick installation

Product features

- Ceiling luminaire with advanced LED technology
- Circular light emission
- Type of protection: IP44
- Versions with movement and daylight sensor available (microwave sensor)

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TECHNICAL DATA

Electrical data

Nominal wattage	15.50 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	120 mA
Max. number of luminaires per miniature circuit breaker B16	24
Max. number of luminaires per miniature circuit breaker C10	39
Max. number of luminaires per miniature circuit breaker C16	39
Power factor λ	> 0.5
Total harmonic distortion	< 150 %
Protection class	I
Operating mode	External LED driver

Photometrical data

Luminous flux	1100 lm
Total luminous flux of contained light sources	1600 lm
Luminous efficacy	80 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 °
UGR	22

Dimensions & Weight

Diameter	300 mm
Height	83.00 mm
Product weight	440.00 g

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum

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Cover material	Polycarbonate (PC)
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+70 °C
Type of connection	Terminal, 3-Pole (L, N, PE)
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	25000 h [1)]
Lifespan L80/B50 at 25 °C	41000 h
Lifespan L90/B10 at 25 °C	20000 h
Number of switching cycles	12500

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Sensor

Type of sensor	Light / Motion
Sensor technology	Microwave
Sensor detection angle	120 °

Certificates & Standards

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	Yes

EQUIPMENT / ACCESSORIES

- Complete mounting and connecting accessories included

Safety advice

- All electrical connections must be made by a qualified person.

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- 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

	Documents and certificates	Document name
PDF	User instruction / safety instructions	ORBIS IP44
PDF	Legal information	Safety insert G11219601
PDF	Declarations of conformity	ORBIS IP44 400MM 25W 830 SENSOR LEDV
PDF	Declarations of conformity UKCA	ORBIS IP44 SENSOR

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854448126	Folding box 1	328 mm x 93 mm x 328 mm	604.00 g	10.01 dm^3
4099854448133	Shipping box 6	587 mm x 347 mm x 359 mm	4748.00 g	73.12 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.

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