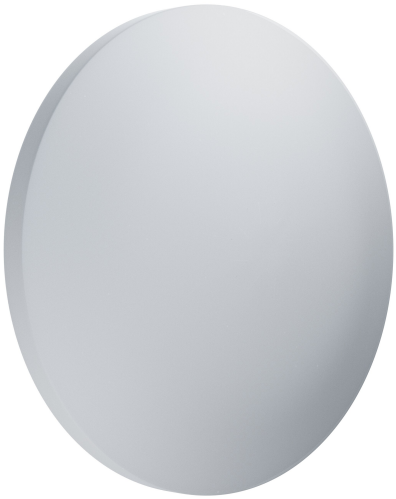
PRODUCT DATASHEET
Orbis Pure 300mm 14.5W

Orbis Pure | LED ceiling luminaires



Areas of application

- For indoor use only
- Decorative domestic lighting
- Ceiling and wall surface mounting

Product benefits

- Very homogenous light
- Easy and quick installation

Product features

- Ceiling luminaire with advanced LED technology
- Circular light emission

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TECHNICAL DATA

Electrical data

Nominal wattage	14.50 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	105 mA
Inrush current	6.2 A
Max. number of luminaires per miniature circuit breaker B16	33
Max. number of luminaires per miniature circuit breaker C10	32
Max. number of luminaires per miniature circuit breaker C16	52
Power factor λ	> 0.5
Maximum 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	85 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	< 1.0
Stroboscope effect metric (SVM)	< 0.4
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	80.00 mm
Product weight	365.00 g

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Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
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	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	25000 h [1)]
Lifespan L80/B50 at 25 °C	41000 h
Number of switching cycles	15000

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 light operation	Non-maintained
Luminous flux in maintained operation mode	-
Luminous flux in emergency operation mode	-

Certificates & Standards

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	Yes
Replaceable light source (EPREL)	Not replaceable

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EQUIPMENT / ACCESSORIES

– Complete mounting and connecting accessories included

Safety advice

– All electrical connections must be made by a qualified person.
– 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 PURE
PDF	Declarations of conformity	ORBIS PURE 400MM 24W 830 LEDV

	Photometric and lighting design files	Document name
IES	IES file (IES)	ORBIS PURE 300MM 14.5W 830
LDT	LDT file (Eulumdat)	ORBIS PURE 300MM 14.5W 830

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075651890	Folding box 1	328 mm x 93 mm x 328 mm	529.00 g	10.01 dm^3
4058075651906	Shipping box 6	587 mm x 347 mm x 359 mm	4040.00 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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