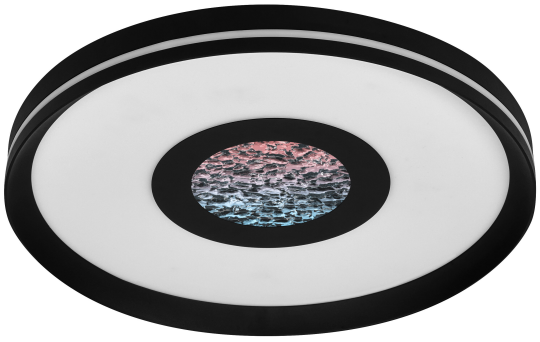
PRODUCT DATASHEET
Orbis Opty 400mm 50W CCT White

Orbis Opty | LED ceiling lamp with optical effect



Areas of application

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

Product benefits

- Color temperature adjustment for different application needs

Product features

- Color temperature slider (CTS): 2700 K, 4000 K, 6000 K

© 2025, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Nominal voltage	220…240 V
Mains frequency	50/60 Hz
Nominal current	218.000 mA
Inrush current	8.2 A
Inrush current time T_{h50}	100 µs
Max. number of luminaires per miniature circuit breaker B16	47
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	43
Power factor λ	> 0.9
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Mains voltage

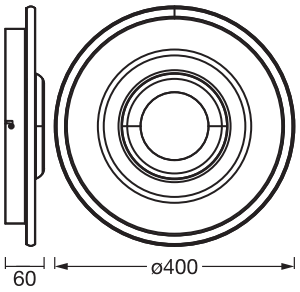
Photometrical data

Luminous flux	1500 lm
Total luminous flux of contained light sources	5800 lm
Luminous efficacy	30 lm/W
Color temperature	2700 K / 4000 K / 6000 K
Reference control setting of contained light source (Kelvin)	2700 K
Light color (designation)	Warm White / Cool White / Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	6 sdcm
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	200 °

Dimensions & Weight

Diameter	400.00 mm
Height	60.00 mm
Product weight	2300.00 g

© 2025, LEDVANCE GmbH. All rights reserved.



ORBIS OPTY 400MM 50W CCT WT

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum|Steel
Cover material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling
With light source	Yes
Replaceable light source	No

Lifespan

Number of switching cycles	12500

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

© 2025, LEDVANCE GmbH. All rights reserved.

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Safety advice

- Luminaire must be disconnected from mains during installation, maintenance and cover removal
- Check wall-ceiling for suitability. If uncertain, seek professional advice.
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	ORBIS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854659355	Folding box 1	97 mm x 452 mm x 453 mm	2960.00 g	19.86 dm^3
4099854659362	Shipping box 2	465 mm x 210 mm x 478 mm	6640.00 g	46.68 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.

© 2025, LEDVANCE GmbH. All rights reserved.