PRODUCT DATASHEET
Orbis Concrete 500MM 24.5W 830 Click Dim Gray

Orbis Concrete | LED ceiling luminaire with concrete ring

Areas of application

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

Product benefits

- Stylish and modern design
- Long lifetime thanks to LED technology

Product features

- Type of protection: IP20
- Lifetime up to 30,000 h
- Click-DIM version: dimmable in three steps by repeated switching
- Housing material: concrete

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TECHNICAL DATA

Electrical data

Nominal wattage	24.50 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	180.000 mA
Inrush current time T_{h50}	1.84 µs
Max. number of luminaires per miniature circuit breaker B16	75
Max. number of luminaires per miniature circuit breaker C10	47
Max. number of luminaires per miniature circuit breaker C16	75
Power factor λ	> 0.5
Total harmonic distortion	< 70 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	1800 lm
Luminous efficacy	74 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	116 °

Dimensions & Weight

Diameter	500.00 mm
Height	110.00 mm
Product weight	5730.00 g

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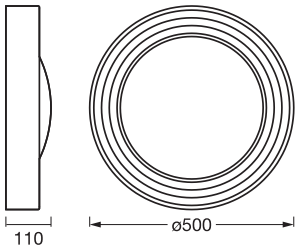

ORBIS CONCRETE 500
24.5W830CLICKD

Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Concrete
Cover material	Polycarbonate (PC)
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, 2-Pole (L, N)
Type of protection	IP20
Dimmable	Yes
Type of dimming	3 DIM
Mounting type	Surface
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 h [1)]
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)

Certificates & Standards

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

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.
- 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 CONCRETE
PDF	Legal information	Safety insert G11219301
PDF	Declarations of conformity	ORBIS CONCRETE
PDF	Declarations of conformity UKCA	ORBIS CONCRETE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854446771	Folding box 1	144 mm x 550 mm x 550 mm	10660.00 g	43.56 dm^3
4099854446788	Shipping box 1	568 mm x 568 mm x 170 mm	10660.00 g	54.85 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

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