

# PRODUCT DATASHEET

## Orbis Concrete 400MM 18W 830 Click Dim Brown

Orbis Concrete | LED ceiling luminaire with concrete ring



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### Areas of application

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

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### Product benefits

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

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### 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



## TECHNICAL DATA

### Electrical data

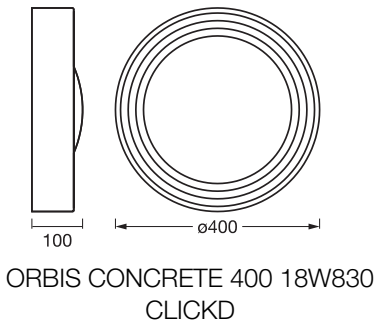
Nominal wattage	18.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	100.000 mA
Inrush current	0.092 A
Inrush current time $T_{h50}$	28.4 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	139
Max. number of luminaires per miniature circuit breaker C10	86
Max. number of luminaires per miniature circuit breaker C16	139
Power factor $\lambda$	> 0.5
Total harmonic distortion	< 70 %
Protection class	II
Operating mode	External LED driver

### Photometrical data

Luminous flux	1500 lm
Total luminous flux of contained light sources	2120 lm
Luminous efficacy	83 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Flickering metric (Pst LM)	$\leq 1.0$
Stroboscope effect metric (SVM)	$\leq 0.4$
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	116 °

### Dimensions & Weight

Diameter	400.00 mm
Height	100.00 mm
Product weight	4120.00 g



Materials & Colors

Product color	Brown
Housing color	Brown
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
Mounting location	Wall
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 h <sup>1)</sup>
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

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	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
	User instruction / safety instructions	ORBIS CONCRETE 830 CLICKDIM
	Legal information	Legal insert residential luminaires
	Declarations of conformity	ORBIS CONCRETE
	Declarations of conformity UKCA	ORBIS CONCRETE

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854278846	Folding box 1	144 mm x 450 mm x 450 mm	5037.00 g	29.16 dm <sup>3</sup>
4099854278853	Shipping box 2	468 mm x 306 mm x 475 mm	11018.00 g	68.02 dm <sup>3</sup>

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.

