

# 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



## TECHNICAL DATA

### Electrical data

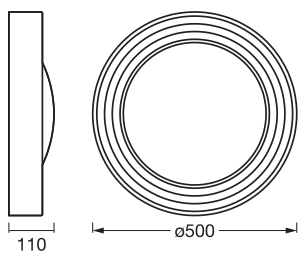
|   |                     |
|---|---------------------|
| Nominal wattage   | 24.50 W             |
| Nominal voltage   | 220...240 V         |
| Mains frequency   | 50...60 Hz          |
| Nominal current   | 180.000 mA          |
| Inrush current  | 0.17 A              |
| Inrush current time $T_{h50}$                               | 1.84 $\mu$ s        |
| 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 $\lambda$                                      | > 0.5               |
| Total harmonic distortion                                   | < 70 %              |
| Protection class  | II                  |
| Operating mode  | External LED driver |

### Photometrical data

|  |                           |
|--|---------------------------|
| Luminous flux                                  | 1800 lm                   |
| Total luminous flux of contained light sources | 2650 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           | $\leq 6$ 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       | 500.00 mm |
| Height         | 110.00 mm |
| Product weight | 5730.00 g |



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                 |
| Mounting location            | Wall                    |
| Application environment      | Indoor                  |
| With light source            | Yes                     |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 30000 h <sup>1)</sup> |
| Number of switching cycles | 15000                 |

<sup>1)</sup> 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                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854278808 | Folding box<br>1             | 144 mm x 550 mm x 550 mm             | 6974.00 g    | 43.56 dm <sup>3</sup> |
| 4099854278815 | Shipping box<br>1            | 568 mm x 568 mm x 170 mm             | 8274.00 g    | 54.85 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.