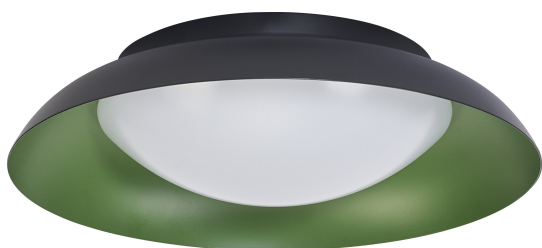


# PRODUCT DATASHEET

## Orbis Plate 310MM 19W 830 Click DIM Black and Green

Orbis Plate | LED ceiling luminaires with metal 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
- Easy to install and use
- 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
- Color temperature: 3,000 K (Warm White)
- Metal housing, PMMA cover



## TECHNICAL DATA

### Electrical data

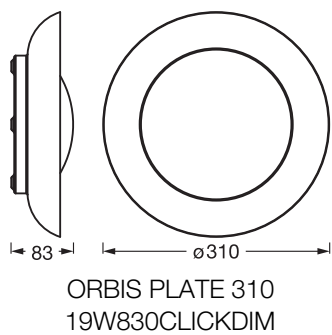
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 19.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 140.000 mA          |
| Inrush current                                              | 0.14 A              |
| Inrush current time $T_{h50}$                               | 10000 $\mu$ s       |
| Max. number of luminaires per miniature circuit breaker B16 | 18                  |
| Max. number of luminaires per miniature circuit breaker C10 | 19                  |
| Max. number of luminaires per miniature circuit breaker C16 | 30                  |
| Power factor $\lambda$                                      | 0.50                |
| Total harmonic distortion                                   | 70 %                |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                                |            |
|------------------------------------------------|------------|
| Luminous flux                                  | 1000 lm    |
| Total luminous flux of contained light sources | 2240 lm    |
| Luminous efficacy                              | 52 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)                     | $\leq 1.0$ |
| Stroboscope effect metric (SVM)                | $\leq 0.4$ |
| Photobiological safety group acc. to EN62778   | RG0        |
| Photobiological safety group acc. to EN62471   | RG0        |
| Beam angle                                     | 120 °      |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 310.00 mm |
| Height         | 83.00 mm  |
| Product weight | 730.00 g  |



Materials & Colors

|                                            |                  |
|--------------------------------------------|------------------|
| Product color                              | Black Green      |
| Housing color                              | Black Green      |
| Body material                              | Steel            |
| Cover material                             | Polystyrene (PS) |
| 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            | Ceiling                 |
| 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                 |

<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.
- 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.
- 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 PLATE 310 19W 830 CLICKDIM    |
|  | Legal information                      | Legal insert Residential luminaires |
|  | Declarations of conformity             | CE Declaration Orbis Plate          |
|  | Declarations of conformity UKCA        | UKCA Declaration Orbis Plate        |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854285837 | Folding box<br>1             | 157 mm x 392 mm x 393 mm             | 1259.00 g    | 24.19 dm <sup>3</sup> |
| 4099854285844 | Shipping box<br>3            | 487 mm x 408 mm x 418 mm             | 5096.00 g    | 83.05 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.

