

## PRODUCT DATASHEET

### Orbis Berlin 490 mm 36W 830 BK

Orbis Berlin | LED ceiling luminaires with plastic ring



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#### Areas of application

- Indoor applications
- Kitchens, living rooms, children's rooms or home offices

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#### Product benefits

- Very homogenous light
- Elegant design

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#### Product features

- Decorative domestic lighting
- Ceiling luminaire with advanced LED technology



## TECHNICAL DATA

## Electrical data

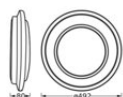
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 36.00 W                       |
| Nominal voltage                                             | 220...240 V                   |
| Mains frequency                                             | 50...60 Hz                    |
| Nominal current                                             | 160.000 mA                    |
| Max. number of luminaires per miniature circuit breaker B16 | 50                            |
| Max. number of luminaires per miniature circuit breaker C16 | 66                            |
| Power factor $\lambda$                                      | > 0.90                        |
| Total harmonic distortion                                   | < 13 %                        |
| Protection class                                            | I                             |
| Operating mode                                              | Electronic control gear (ECG) |

## Photometrical data

|                                                |                     |
|------------------------------------------------|---------------------|
| Luminous flux                                  | 2400 lm             |
| Total luminous flux of contained light sources | 4700 lm             |
| Luminous efficacy                              | 66 lm/W             |
| Color temperature                              | 3000 K              |
| Light color (designation)                      | Warm White          |
| Color rendering index Ra                       | ≥80                 |
| Standard deviation of color matching           | ≤6 sdc <sub>m</sub> |
| Photobiological safety group acc. to EN62778   | RG0                 |
| Photobiological safety group acc. to EN62471   | RG0                 |
| Beam angle                                     | 120 °               |

## Dimensions &amp; Weight

|                |           |
|----------------|-----------|
| Diameter       | 492.00 mm |
| Height         | 80.00 mm  |
| Product weight | 1270.00 g |



ORBIS BERLIN 490MM 36W 830 SI

## Materials & Colors

|                                            |         |
|--------------------------------------------|---------|
| Product color                              | Black   |
| Housing color                              | Black   |
| Body material                              | Metal   |
| Cover material                             | Plastic |
| 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, 3-Pole (L, N, PE) |
| Type of protection           | IP20                        |
| Dimmable                     | No                          |
| Mounting type                | Surface                     |
| Application environment      | Indoor                      |
| With light source            | Yes                         |
| Replaceable light source     | No                          |

## Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Number of switching cycles | 25000                 |

<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              |
| Ball shot safe                                       | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

## Additional product data

|                       |       |
|-----------------------|-------|
| Number of illuminants | empty |
|-----------------------|-------|

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- 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.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

## DOWNLOAD DATA

| Documents and certificates                                                       |                                        | Document name              |
|----------------------------------------------------------------------------------|----------------------------------------|----------------------------|
|  | User instruction / safety instructions | ORBIS                      |
|  | Legal information                      | Safety insert G11219601    |
|  | Declarations of conformity             | ORBIS LONDON DUBLIN BERLIN |
|  | Declarations of conformity UKCA        | ORBIS LONDON DUBLIN BERLIN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4099854446573 | Folding box<br>1             | 505 mm x 90 mm x 505 mm              | 2085.00 g    | 22.95 dm <sup>3</sup>  |
| 4099854446580 | Shipping box<br>4            | 530 mm x 360 mm x 530 mm             | 8063.00 g    | 101.12 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.