

# PRODUCT DATASHEET

## Orbis Slim Moia 280mm 20W Black

Ceiling Moia | LED ceiling luminaires with metal 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

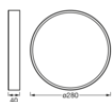
|                                      |               |
|--------------------------------------|---------------|
| Nominal wattage                      | 20.00 W       |
| Nominal voltage                      | 220...240 V   |
| Mains frequency                      | 50...60 Hz    |
| Nominal current                      | 104.000 mA    |
| Inrush current                       | 3 A           |
| Inrush current time T <sub>h50</sub> | 100 µs        |
| Power factor λ                       | > 0.70        |
| Total harmonic distortion            | < 70 %        |
| Protection class                     | I             |
| Operating mode                       | Mains voltage |

Photometrical data

|                                                |                    |
|------------------------------------------------|--------------------|
| Luminous flux                                  | 1500 lm            |
| Total luminous flux of contained light sources | 2200 lm            |
| Luminous efficacy                              | 75 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> |
| Flickering metric (Pst LM)                     | <1                 |
| Stroboscope effect metric (SVM)                | <0.4               |
| Photobiological safety group acc. to EN62778   | RG0                |
| Photobiological safety group acc. to EN62471   | RG0                |
| Beam angle                                     | 120 °              |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 280.00 mm |
| Height         | 40.00 mm  |
| Product weight | 685.00 g  |



ORBIS SLIM MOIA 280MM 20W  
830

### Materials & Colors

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Product color                              | Black                         |
| Housing color                              | Black                         |
| Body material                              | Steel                         |
| Cover material                             | Polymethylmethacrylate (PMMA) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C                        |
| Mercury content                            | 0.0 mg                        |

### Application & Mounting

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ambient temperature range              | -20...+40 °C                |
| Temperature range at storage           | -20...+60 °C                |
| Type of connection                     | Terminal, 3-Pole (L, N, PE) |
| Type of protection                     | IP20                        |
| Protection class IK (shock resistance) | IK03                        |
| 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              |
| 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 | UI Orbis Moia                           |
|    | Legal information                      | Legal insert Orbis Moia                 |
|   | Declarations of conformity             | CE Declaration Orbis Moia 280 and 480   |
|  | Declarations of conformity UKCA        | UKCA Declaration Orbis Moia 280 and 480 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854092442 | Folding box<br>1             | 48 mm x 290 mm x 290 mm              | 809.00 g     | 4.04 dm <sup>3</sup>  |
| 4099854092459 | Shipping box<br>4            | 310 mm x 215 mm x 320 mm             | 3685.00 g    | 21.33 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.