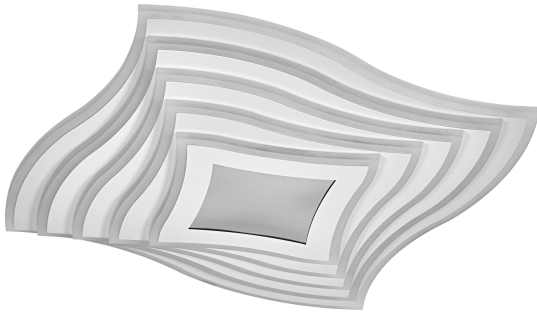


# PRODUCT DATASHEET

## Orbis Waves 480x480mm 43W Tunable White DIM Remote White

Orbis Waves | LED ceiling lamp with multiple light layers



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### Areas of application

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

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### Product benefits

- Color temperature adjustment for different application needs
- Set light output from 0-100% for personal comfort

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### Product features

- Dimmable
- White adjustment (CCT) from 2700 K...6000 K via remote control



## TECHNICAL DATA

### Electrical data

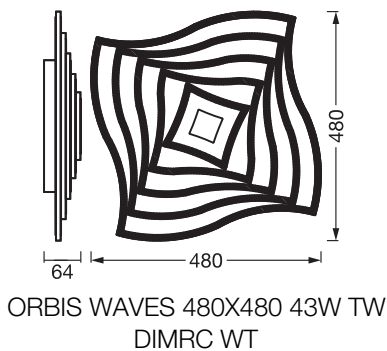
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 43.00 W       |
| Nominal voltage                                             | 220...240 V   |
| Mains frequency                                             | 50/60 Hz      |
| Nominal current                                             | 200.000 mA    |
| Inrush current                                              | 6 A           |
| Inrush current time $T_{h50}$                               | 100 $\mu$ s   |
| Max. number of luminaires per miniature circuit breaker B16 | 76            |
| Max. number of luminaires per miniature circuit breaker C10 | 31            |
| Max. number of luminaires per miniature circuit breaker C16 | 50            |
| Power factor $\lambda$                                      | > 0.9         |
| Total harmonic distortion                                   | < 20 %        |
| Protection class                                            | II            |
| Operating mode                                              | Mains voltage |

### Photometrical data

|                                                              |               |
|--------------------------------------------------------------|---------------|
| Luminous flux                                                | 3600 lm       |
| Total luminous flux of contained light sources               | 5700 lm       |
| Luminous efficacy                                            | 80 lm/W       |
| Color temperature                                            | 2600...6000 K |
| Reference control setting of contained light source (Kelvin) | 2700 K        |
| Light color (designation)                                    | Tunable White |
| Color rendering index Ra                                     | > 80          |
| Standard deviation of color matching                         | 6 sdcn        |
| Flickering metric (Pst LM)                                   | <1            |
| Stroboscope effect metric (SVM)                              | <0.4          |
| Photobiological safety group acc. to EN62778                 | RG1           |
| Beam angle                                                   | 200 °         |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 480.00 mm |
| Width          | 480.00 mm |
| Height         | 64.00 mm  |
| Product weight | 5150.00 g |



Materials & Colors

|                                            |                  |
|--------------------------------------------|------------------|
| Product color                              | White            |
| Housing color                              | White            |
| Body material                              | Steel            |
| Cover material                             | Polystyrene (PS) |
| 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...+80 °C            |
| Type of connection                     | Terminal, 2-Pole (L, N) |
| Type of protection                     | IP20                    |
| Protection class IK (shock resistance) | IK03                    |
| Dimmable                               | Yes                     |
| Mounting type                          | Surface                 |
| Mounting location                      | Ceiling                 |
| With light source                      | Yes                     |
| Replaceable light source               | No                      |

Lifespan

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 12500 |
|----------------------------|-------|

Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

## Certificates & Standards

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Standards                                            | CE / UKCA       |
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

## EQUIPMENT / ACCESSORIES

- Batteries required for remote control: 2xAAA (not 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         |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854659294 | Folding box<br>1             | 97 mm x 532 mm x 533 mm              | 5605.00 g    | 27.50 dm <sup>3</sup> |
| 4099854659300 | Shipping box<br>2            | 550 mm x 550 mm x 220 mm             | 12523.00 g   | 66.55 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.