

# PRODUCT DATASHEET

## SUN@HOME Orbis Plate

Sun@Home ceiling luminaires | Ceiling Lights with Human Centric Lighting Technology



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### Areas of application

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

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### Product benefits

- Enable increased concentration and efficiency
- Improve overall activity level and daytime alertness
- Improve sleeping rhythm and –intensity
- Improve optic convenience
- Enables an improved level of clean-air-safety by killing residential germs and bad odors
- Homogenous light distribution
- Easy and quick installation

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### Product features

- Adjustable color temperature via Tunable White: 2,200...5,000 K
- Controllable via LEDVANCE SMART+ App (with minimum Android 8.0 or iOS 14.0)
- Controllable via voice control available: Google Assistant or Amazon Alexa
- Dimmable
- Innovative Fullspectrum SunLike LEDs with CRI95
- SunLike LEDs with reduced Blue Light in LED Spectrum



- Innovative luminaire coating-technology fighting household germs and odors
- Automated biorhythm feature

## TECHNICAL DATA

### Electrical data

|                        |               |
|------------------------|---------------|
| Nominal wattage        | 26.00 W       |
| Nominal voltage        | 220...240 V   |
| Mains frequency        | 50...60 Hz    |
| Inrush current         | 6.32 A        |
| Power factor $\lambda$ | > 0.90        |
| Protection class       | I             |
| Operating mode         | Mains voltage |

### Photometrical data

|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Luminous flux                                                | 900 lm              |
| Total luminous flux of contained light sources               | 2100 lm             |
| Luminous efficacy                                            | 60 lm/W             |
| Color temperature                                            | 2200...5000 K       |
| Reference control setting of contained light source (Kelvin) | 2700 K              |
| Light color (designation)                                    | Tunable White       |
| Color rendering index Ra                                     | > 95                |
| Standard deviation of color matching                         | ≤6 sdc <sub>m</sub> |
| Flickering metric (Pst LM)                                   | ≤ 1 %               |
| Photobiological safety group acc. to EN62778                 | RG0                 |
| Photobiological safety group acc. to EN62471                 | RG0                 |
| Beam angle                                                   | 110 °               |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 430 mm    |
| Width          | 430.00 mm |
| Height         | 70.00 mm  |
| Product weight | 1160.00 g |

HCL SMART ORBIS PLATE RD 430  
TW

### Materials & Colors

|                 |                               |
|-----------------|-------------------------------|
| Product color   | White                         |
| Housing color   | White                         |
| Body material   | Polymethylmethacrylate (PMMA) |
| Cover material  | Polycarbonate (PC)            |
| Mercury content | 0.0 mg                        |

### Application & Mounting

|                              |              |
|------------------------------|--------------|
| Ambient temperature range    | -20...+40 °C |
| Temperature range at storage | -20...+80 °C |
| Type of connection           | Terminal     |
| Type of protection           | IP20         |
| Dimmable                     | Yes          |
| Type of dimming              | WiFi         |
| Mounting type                | Surface      |
| Mounting location            | Ceiling      |
| Application environment      | Indoor       |
| With light source            | Yes          |

### Lifespan

|                            |         |
|----------------------------|---------|
| Lifespan L70/B50 at 25 °C  | 30000 h |
| Number of switching cycles | 15000   |

### Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
| Integrated test switch           | No   |

### Certificates & Standards

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

### Additional product data

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Product remark | Reset settings to default by switching the product on for three seconds and off for three seconds and repeating this five times. |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|

### EQUIPMENT / ACCESSORIES

- Control via app or voice control requires compatible Smart home system
- For control via LEDVANCE SMART+ App, a smartphone or tablet is required (with minimum Android 8.0 or iOS 14.0)

- Complete mounting and connecting accessories included

### 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 | SUNATHOME ORBIS PLATE RD 430 TW     |
|    | Legal information                      | SUN@HOME                            |
|    | Legal information                      | Legal insert Residential luminaires |
|   | Declarations of conformity             | SUN@HOME Orbis Plate 430mm TW       |
|  | Declarations of conformity UKCA        | SUNATHOME                           |
| CAD/BIM files                                                                      |                                        | Document name                       |
|  | BIM Step 3D                            | Sun@Home Orbis plate                |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075575950 | Folding box<br>1             | 84 mm x 452 mm x 454 mm              | 1467.00 g    | 17.24 dm <sup>3</sup> |
| 4058075575967 | Shipping box<br>3            | 474 mm x 265 mm x 477 mm             | 5214.00 g    | 59.92 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.

### References / Links

- Further information and frequently asked questions (FAQs) at [www.ledvance.com/consumer/smart/faq](http://www.ledvance.com/consumer/smart/faq)

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