

# PRODUCT DATASHEET

## SMART+ Matter Orbis Downlight Round 400mm Tunable White

SMART+ Matter Surface Downlight | Smart recess surface downlight with integrated driver TW and dimmable



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### Areas of application

- Indoor applications
- Corridors, entrance areas, stairwells, living rooms, basements
- Bedrooms
- Kitchens

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### Product benefits

- Creating individual light scenes according to your needs with cold white to warm white (3000 K to 6500 K)
- Surface downlight

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### Product features

- Controllable via SMART+ App (with minimum Android 8.0 or iOS 14.0) or any other Matter-compatible platforms
- Controllable via voice control available: Google Assistant or Amazon Alexa
- Adjustable color temperature via Tunable White: 3,000...6,500 K
- Dimmable
- Network protocol: Matter over WiFi (2.4 GHz)
- Housing material: metal

TECHNICAL DATA

Electrical data

|                           |                     |
|---------------------------|---------------------|
| Nominal wattage           | 22.00 W             |
| Nominal voltage           | 220...240 V         |
| Mains frequency           | 50...60 Hz          |
| Nominal current           | 110.000 mA          |
| Power factor $\lambda$    | > 0.70              |
| Total harmonic distortion | < 20 %              |
| Protection class          | I                   |
| Operating mode            | External LED driver |

Photometrical data

|                                                |                      |
|------------------------------------------------|----------------------|
| Luminous flux                                  | 1800 lm              |
| Total luminous flux of contained light sources | 2500 lm              |
| Luminous efficacy                              | 81 lm/W              |
| Color temperature                              | 3000...6500 K        |
| Light color (designation)                      | Tunable White        |
| Color rendering index Ra                       | ≥80                  |
| Standard deviation of color matching           | < 6 sdc <sub>m</sub> |
| Photobiological safety group acc. to EN62778   | RG0                  |
| Beam angle                                     | 110 °                |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 400.00 mm |
| Height         | 40.00 mm  |
| Product weight | 1270.00 g |

SMART WIFI ORBIS DOWNLIGHT

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| Body material                              | Aluminum           |
| Cover material                             | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |

Application & Mounting

|                                        |                |
|----------------------------------------|----------------|
| Ambient temperature range              | -20...40 °C    |
| Temperature range at storage           | -20...+70 °C   |
| Type of connection                     | Screw terminal |
| Type of protection                     | IP20           |
| Protection class IK (shock resistance) | IK03           |
| 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  | 25000 h |
| Number of switching cycles | 15000   |

### Certificates & Standards

|                                  |                 |
|----------------------------------|-----------------|
| Standards                        | CE / UKCA       |
| Ball shot safe                   | No              |
| Replaceable light source (EPREL) | Not replaceable |

### Additional product data

|                |                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product remark | Available from October 2025 / Reset settings to default by switching the product on for five seconds and off for five seconds and repeating this five times. |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

## EQUIPMENT / ACCESSORIES

- For control via 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.

## DOWNLOAD DATA

| Documents and certificates                                                                                                | Document name                     |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
|  User instruction / safety instructions | SMART + WIFI ORBIS DOWNLIGH ROUND |

| Documents and certificates                                                       |                                 | Document name                           |
|----------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|
|  | Declarations of conformity      | CE declaration SMART Matter Downlight   |
|  | Declarations of conformity UKCA | UKCA Declaration Orbis Spiral           |
|  | Declarations of conformity UKCA | UKCA declaration SMART Matter Downlight |
|  | EU Data Act                     | SMART MATTER Lamps Luminares Plugs      |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854475634 | Folding box<br>1             | 48 mm x 440 mm x 444 mm              | 1848.00 g    | 9.38 dm³  |
| 4099854475641 | Shipping box<br>5            | 459 mm x 268 mm x 472 mm             | 9240.00 g    | 58.06 dm³ |

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)

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.