

# PRODUCT DATASHEET

## Orbis Tube Frost Glass 40CM Click CCT DIM IP44 White

Orbis Tube Frost Glass | Mirror/wall luminaire with two adjustable color temperatures and dimming function



### Areas of application

- Indoor
- Bathrooms (IP44)

### Product benefits

- Easy to install and use
- Highly versatile due to selectable CCT
- Long lifetime thanks to LED technology

### Product features

- Type of protection: IP44
- Lifetime up to 30,000 h
- Color temperature: 3,000 K (Warm White) or 4,000 K (Neutral White)
- Diffuser made of frosted glass
- Stepless dimming via a touch control
- Housing material: aluminum
- Polycarbonate (PC) diffuser



## TECHNICAL DATA

### Electrical data

|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 9.00 W              |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 70.000 mA           |
| Inrush current                                              | 0.07 A              |
| Inrush current time $T_{h50}$                               | 192 $\mu$ s         |
| Max. number of luminaires per miniature circuit breaker B16 | 52                  |
| Max. number of luminaires per miniature circuit breaker C10 | 44                  |
| Max. number of luminaires per miniature circuit breaker C16 | 71                  |
| Power factor $\lambda$                                      | > 0.5               |
| Total harmonic distortion                                   | < 150 %             |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                                              |                         |
|--------------------------------------------------------------|-------------------------|
| Luminous flux                                                | 900 lm                  |
| Total luminous flux of contained light sources               | 1000 lm                 |
| Luminous efficacy                                            | 100 lm/W                |
| Color temperature                                            | 3000 ... 4000 K         |
| Reference control setting of contained light source (Kelvin) | 3000 K                  |
| Light color (designation)                                    | Warm White / Cool White |
| Color rendering index Ra                                     | $\geq 80$               |
| 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

|        |           |
|--------|-----------|
| Length | 400.00 mm |
| Width  | 70.00 mm  |
| Height | 54.00 mm  |

|                |          |
|----------------|----------|
| Product weight | 370.00 g |
|----------------|----------|



ORBIS TUBE 40CM  
CLICKCCTDIMIP44

Materials & Colors

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| Product color                              | White                           |
| Housing color                              | White                           |
| Body material                              | ABS/Polycarbonate (PC)/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...+80 °C            |
| Type of connection           | Terminal, 2-Pole (L, N) |
| Type of protection           | IP44                    |
| Dimmable                     | Yes                     |
| Mounting type                | Surface                 |
| Mounting location            | Wall                    |
| Application environment      | Indoor                  |
| With light source            | Yes                     |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 30000 h <sup>1)</sup> |
| Number of switching cycles | 10000                 |

1) 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

|             |    |
|-------------|----|
| BEG subsidy | No |
|-------------|----|

#### EQUIPMENT / ACCESSORIES

- Mounting screws and dowels 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 |                                     |
|  | Legal information                      | Legal insert Residential luminaires |
|  | Declarations of conformity             | ORBIS MIRROR TUBE CLICK             |
|  | Declarations of conformity UKCA        | ORBIS MIRROR ORBIS TUBE ORBIS DISC  |

#### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854279355 | Folding box<br>1             | 97 mm x 422 mm x 83 mm               | 458.00 g     | 3.40 dm <sup>3</sup>  |
| 4099854279362 | Shipping box<br>4            | 440 mm x 212 mm x 191 mm             | 2247.00 g    | 17.82 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.