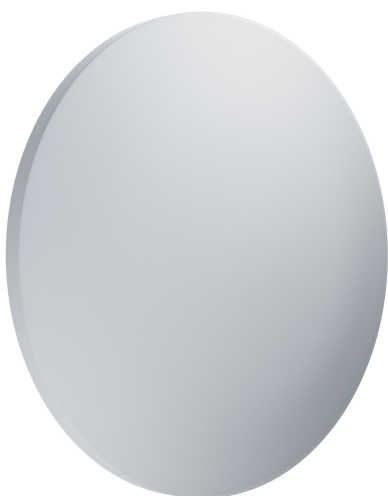


# PRODUCT DATASHEET

## Orbis Pure 400mm 24W

ORBIS® Pure | LED ceiling luminaires



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### Areas of application

- For indoor use only
- Decorative domestic lighting
- Ceiling and wall surface mounting

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### Product benefits

- Very homogenous light
- Easy and quick installation

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### Product features

- Ceiling luminaire with advanced LED technology
- Circular light emission



## TECHNICAL DATA

### Electrical data

|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 24.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 175 mA              |
| Inrush current                                              | 7.9 A               |
| Max. number of luminaires per miniature circuit breaker B16 | 24                  |
| Max. number of luminaires per miniature circuit breaker C10 | 24                  |
| Max. number of luminaires per miniature circuit breaker C16 | 38                  |
| Power factor $\lambda$                                      | > 0.5               |
| Protection class                                            | I                   |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                                |            |
|------------------------------------------------|------------|
| Luminous flux                                  | 1800 lm    |
| Total luminous flux of contained light sources | 2700 lm    |
| Luminous efficacy                              | 85 lm/W    |
| Color temperature                              | 3000 K     |
| Light color (designation)                      | Warm White |
| Color rendering index Ra                       | > 80       |
| Standard deviation of color matching           | < 6 sdcm   |
| Photobiological safety group acc. to EN62778   | RG1        |
| Photobiological safety group acc. to EN62471   | RG0        |
| Beam angle                                     | 120 °      |

### Dimensions & Weight

|                |          |
|----------------|----------|
| Diameter       | 400 mm   |
| Height         | 80.00 mm |
| Product weight | 610.00 g |

### Materials & Colors

|                |                    |
|----------------|--------------------|
| Product color  | White              |
| Housing color  | White              |
| Body material  | Aluminum           |
| Cover material | Polycarbonate (PC) |

|                 |        |
|-----------------|--------|
| Mercury content | 0.0 mg |
|-----------------|--------|

### Application & Mounting

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ambient temperature range              | -20...+40 °C                |
| Temperature range at storage           | -20...+70 °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                     |
| Mounting location                      | Ceiling                     |
| Application environment                | Indoor                      |
| With light source                      | Yes                         |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 25000 h <sup>1)</sup> |
| Number of switching cycles | 15000                 |

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Emergency lighting

|                                            |                |
|--------------------------------------------|----------------|
| Type of emergency light operation          | Non-maintained |
| Luminous flux in maintained operation mode | -              |
| Luminous flux in emergency operation mode  | -              |

### Certificates & Standards

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

### EQUIPMENT / ACCESSORIES

- 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 | ORBIS PURE                    |
|  | Declarations of conformity             | ORBIS PURE 400MM 24W 830 LEDV |
|  | Declarations of conformity UKCA        | Fixed LUM                     |

| Photometric and lighting design files                                            |                     | Document name            |
|----------------------------------------------------------------------------------|---------------------|--------------------------|
|  | IES file (IES)      | ORBIS PURE 400MM 24W 830 |
|  | LDT file (Eulumdat) | ORBIS PURE 400MM 24W 830 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075651913 | Folding box<br>1             | 94 mm x 429 mm x 429 mm              | 836.00 g     | 17.30 dm <sup>3</sup> |
| 4058075651920 | Shipping box<br>5            | 482 mm x 447 mm x 459 mm             | 5129.00 g    | 98.89 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.