

# PRODUCT DATASHEET

## Orbis Tube Bubble Glass 60CM Click CCT DIM IP44 Black

Orbis Tube Bubble 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)
- Stepless dimming via a touch control
- Click-CCT version: color temperature adjustable in two steps by repeated switching
- 2 different lengths available
- Housing material: aluminum
- Polycarbonate (PC) diffuser



## TECHNICAL DATA

### Electrical data

Nominal wattage	12.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	94.000 mA
Inrush current	0.094 A
Inrush current time $T_{h50}$	200 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	61
Max. number of luminaires per miniature circuit breaker C10	51
Max. number of luminaires per miniature circuit breaker C16	82
Power factor $\lambda$	> 0.5
Total harmonic distortion	< 60 %
Protection class	II
Operating mode	External LED driver

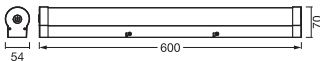
### Photometrical data

Luminous flux	1100 lm
Total luminous flux of contained light sources	1350 lm
Luminous efficacy	91 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	600.00 mm
Width	70.00 mm
Height	54.00 mm

Product weight	670.00 g
----------------	----------



ORBIS TUBE  
60CMCLICKCCTDIMIP44

Materials & Colors

Product color	Black
Housing color	Black
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

<sup>1)</sup> 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





## 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 ORBIS TUBE ORBIS DISC
 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
4099854279553	Folding box 1	97 mm x 622 mm x 83 mm	792.00 g	5.01 dm <sup>3</sup>
4099854279560	Shipping box 4	640 mm x 212 mm x 191 mm	3709.00 g	25.91 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.