

PRODUCT DATASHEET

SMART+ Matter Orbis Wall Duplo IP44 450mm Tunable White

SMART+ Matter Orbis Wall Duplo | Smart bathroom decorative luminaires IP44 ,TW and dimmable

Areas of application

- Bathrooms



Product benefits

- Creating individual light scenes according to your needs with cold white to warm white (3000 K to 6500 K)
- Steerable
- Easy and quick installation

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
- Type of protection: IP44
- Adjustable color temperature via Tunable White: 3,000...6,500 K
- Dimmable
- Network protocol: Matter over WiFi (2.4 GHz)



TECHNICAL DATA

Electrical data

Nominal wattage	20.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	150.000 mA
Inrush current time T _{h50}	100 µs
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	1600 lm
Total luminous flux of contained light sources	2100 lm
Luminous efficacy	80 lm/W
Color temperature	3000...6500 K
Light color (designation)	Tunable White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcm
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

Dimensions & Weight

Length	445.00 mm
Width	60.00 mm
Height	58.00 mm
Product weight	700.00 g

SMART WIFI ORBIS DUPLO 450
IP44 TW CR

Materials & Colors

Product color	Silver
Housing color	Silver
Body material	Acrylonitrile butadiene styrene (ABS)
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	Screw terminal
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	WiFi
Mounting type	Surface
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
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Certificates & Standards

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	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.
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EQUIPMENT / ACCESSORIES

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

- Mounting bracket included
- Mounting screws and dowels included

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	G11240103 SMART WIFI MAT DUPLO
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety Insert G11243080
	Legal information	Legal Insert G11230649
	Declarations of conformity	CE Declaration Smart Orbis
	Declarations of conformity UKCA	SMART WIFI ORBIS
	EU Data Act	SMART MATTER Lamps Luminaires Plugs
	EU Data Act	SMART WiFi Lamps and Luminaires

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854473067	Folding box 1	70 mm x 100 mm x 500 mm	809.00 g	3.50 dm³
4099854473074	Shipping box 4	516 mm x 156 mm x 218 mm	3634.00 g	17.55 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

DISCLAIMER

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