PRODUCT DATASHEET
SMART+ MATTER Planon Plus Multicolor 450x450 mm

SMART+ MATTER Planon Plus Multicolor | Smart panel luminaires RGBW and dimmable



Areas of application

- Indoor applications
- Kitchens, living rooms, children's rooms or home offices

Product benefits

- Easy and quick installation

Product features

- Controllable via SMART+ App (with minimum Android 8.0 or iOS 14.0)
- Controllable via voice control available: Google Assistant or Amazon Alexa
- RGB color control, approx. 16 million color options adjustable
- Color temperature: 3,000 K (Warm White)
- Dimmable
- Network protocol: Matter over WiFi (2.4 GHz)
- Compatible with WiFi Remote Control



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TECHNICAL DATA

Electrical data

Nominal wattage	28.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	170.000 mA
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	24
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	II
Operating mode	Mains voltage

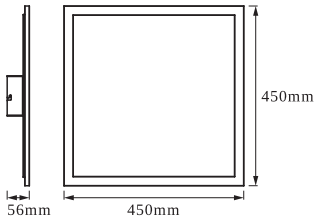
Photometrical data

Luminous flux	2100 lm
Total luminous flux of contained light sources	3000 lm
Luminous efficacy	75 lm/W
Color temperature	3000 K
Reference control setting of contained light source (Kelvin)	3000 K
Light color (designation)	RGBW
Color rendering index Ra	≥80
Standard deviation of color matching	< 6 sdcm
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

Dimensions & Weight

Length	450.00 mm
Width	450.00 mm
Height	56.00 mm
Product weight	2120.00 g

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SMART WIFI PLANON PLUS
45X45 RGBW

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Temperature range at storage	-20…+70 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP20/IP20
Dimmable	Yes
Type of dimming	WiFi
Mounting type	Surface
Application environment	Indoor
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	15000

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / UKCA

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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

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 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
PDF	User instruction / safety instructions	Smart+ Matter Planon
PDF	Addon technical information	Wifi remote control compatibility list
PDF	Addon technical information	Wifi remote control compatibility list (DE)
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	SMART Matter Planon
PDF	Declarations of conformity UKCA	SMART Matter Planon
PDF	EU Data Act	SMART MATTER Lamps Luminaires Plugs

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075857216	Folding box 1	83 mm x 518 mm x 524 mm	2830.00 g	22.53 dm^3
4058075857223	Shipping box 4	537 mm x 347 mm x 560 mm	11320.00 g	104.35 dm^3

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.

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References / Links

– Further information and frequently asked questions (FAQs) at www.ledvance.com/en-int/home-lighting/services/faq

DISCLAIMER

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