

PRODUCT DATASHEET SMART+ MATTER Planon Plus Multicolor 450x450mm

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 LEDVANCE 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)



TECHNICAL DATA

Electrical data

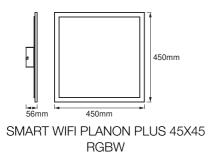
Nominal wattage	28.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	170.000 mA
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	24
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Mains voltage

Photometrical data

Luminous flux2100 lmTotal luminous flux of contained light sources3000 lmLuminous efficacy75 lm/WColor temperature3000 KLight color (designation)RGBWColor rendering index Ra≥80Standard deviation of color matching< 6 sdcmPhotobiological safety group acc. to EN62778RG0Photobiological safety group acc. to EN62471RG0Beam angle110 °		
Luminous efficacy 75 lm/W Color temperature 3000 K Light color (designation) RGBW Color rendering index Ra ≥80 Standard deviation of color matching < 6 sdcm	Luminous flux	2100 lm
Color temperature 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 Photobiological safety group acc. to EN62471 RG0	Total luminous flux of contained light sources	3000 lm
Light color (designation) Color rendering index Ra ≥80 Standard deviation of color matching Photobiological safety group acc. to EN62778 RG0 Photobiological safety group acc. to EN62471 RG0	Luminous efficacy	75 lm/W
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	Color temperature	3000 K
Standard deviation of color matching < 6 sdcm Photobiological safety group acc. to EN62778 RG0 Photobiological safety group acc. to EN62471 RG0	Light color (designation)	RGBW
Photobiological safety group acc. to EN62778 RG0 Photobiological safety group acc. to EN62471 RG0	Color rendering index Ra	≥80
Photobiological safety group acc. to EN62471 RG0	Standard deviation of color matching	< 6 sdcm
	Photobiological safety group acc. to EN62778	RG0
Beam angle 110 °	Photobiological safety group acc. to EN62471	RG0
	Beam angle	110°

Dimensions & Weight

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



Materials & Colors

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

Application & Mounting

Ambient temperature range	-20+40 °C
Temperature range at storage	-20+70 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP20
Dimmable	Yes
Type of dimming	WiFi
Mounting type	Surface
Application environment	Indoor
With light source	No

Lifespan

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

Emergency lighting

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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 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 WIFI MAT PLANON PLUS	
PDF	Addon technical information	Wifi remote control compatibility list	
PDF	Addon technical information	Wifi remote control compatibility list (DE)	
PDF	Legal information	Safety Insert G11243080	
POF	Legal information	Legal Insert G11233093 SMART WIFI MAT	
PDF	Legal information	Informationstext 18 Abs 4 ElektroG	
PDF	Declarations of conformity	SMART Matter Planon	
PDF	Declarations of conformity UKCA	SMART Matter Planon	

	Documents and certificates	Document name
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
4099854471537	Folding box 1	518 mm x 83 mm x 524 mm	2461.00 g	22.53 dm ³
4099854471544	Shipping box 4	537 mm x 347 mm x 560 mm	11092.00 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.

References / Links

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

DISCLAIMER

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