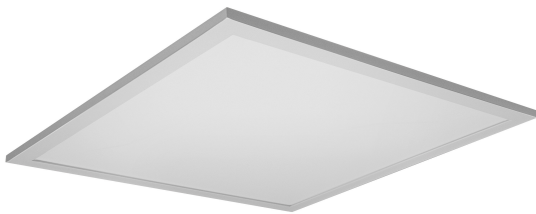


PRODUCT DATASHEET

SMART+ MATTER Planon Plus Tunable White 450x450mm

SMART+ MATTER Planon Plus Tunable White | Smart panel luminaires TW and dimmable



Areas of application

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

Product benefits

- Creating individual light scenes according to your needs with cold white to warm white (3000 K to 6500 K)
- 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
- Adjustable color temperature via Tunable White: 3,000...6,500 K
- Dimmable
- Network protocol: Matter over WiFi (2.4 GHz)



TECHNICAL DATA

Electrical data

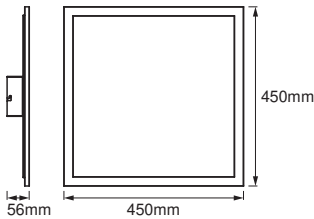
Nominal wattage	28.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	130.000 mA
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	24
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Mains voltage

Photometrical data

Luminous flux	2000 lm
Total luminous flux of contained light sources	2950 lm
Luminous efficacy	71 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	110 °

Dimensions & Weight

Length	450.00 mm
Width	450.00 mm
Height	56.00 mm
Product weight	1900.00 g



SMART WIFI PLANON PLUS 45X45
TW

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...+40 °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

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

Documents and certificates		Document name
	EU Data Act	SMART MATTER Lamps Luminares Plugs

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854471575	Folding box 1	518 mm x 83 mm x 524 mm	2241.00 g	22.53 dm³
4099854471582	Shipping box 4	537 mm x 347 mm x 560 mm	10212.00 g	104.35 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/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.