

# PRODUCT DATASHEET SMART+ MATTER Planon Frameless Tunable White 800x100mm

SMART+ MATTER Planon Frameless Tunable White | Smart frameless 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	27.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	125.000 mA
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	24
Power factor $\lambda$	> 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	3000 lm	
Luminous efficacy	74 lm/W	
Color temperature	30006500 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	800.00 mm
Width	100.00 mm
Height	65.00 mm
Product weight	1630.00 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	
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**

## Certificates & Standards

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

# Additional product data

	Available from October 2025 / Reset settings to default by switching	
Product remark	the product on for five seconds and off for five seconds and repeating	
	this five times.	

### **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	
POF	User instruction / safety instructions	SMART WIFI MAT PLANON FL	
POF	Addon technical information	Wifi remote control compatibility list	
PDF	Addon technical information	Wifi remote control compatibility list (DE)	
PDF	Legal information	Safety Insert G11243080	
PDF	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	
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
4099854471032	Folding box 1	839 mm x 95 mm x 135 mm	1834.00 g	10.76 dm <sup>3</sup>
4099854471049	Shipping box	867 mm x 291 mm x 320 mm	12114.00 g	80.74 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.

#### 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.