

PRODUCT DATASHEET

SMART+ MATTER Planon Frameless Sparkle Tunable White 450x450mm

SMART+ MATTER Planon Frameless Sparkle Tunable White | Smart frameless panel luminaire sparkle effect 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)
- Elegant design
- Sparkle effect that creates a sky night effect
- 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)
- Sparkle effect



TECHNICAL DATA

Electrical data

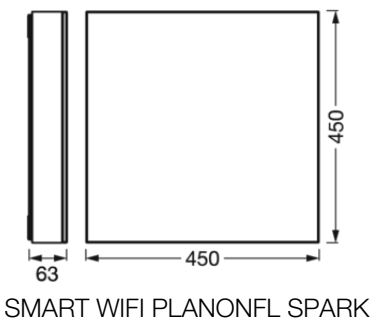
Nominal wattage	24.50 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	135.000 mA
Inrush current time T_{h50}	1900 μ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C16	49
Power factor λ	≥ 0.7
Total harmonic distortion	< 20 %
Protection class	I

Photometrical data

Luminous flux	1300 lm
Total luminous flux of contained light sources	2250 lm
Luminous efficacy	53 lm/W
Color temperature	3000...6500 K
Light color (designation)	Tunable White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 6 sdc _{cm}
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °

Dimensions & Weight

Length	450.00 mm
Width	450.00 mm
Height	63.00 mm
Product weight	2970.00 g



Materials & Colors

Product color	White
Housing color	White
Body material	Steel
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, 3-Pole (L, N, PE)
Type of protection	IP20
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
----------------------------------	------

Certificates & Standards

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	No

Ball shot safe	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.
Number of illuminants	empty

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.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	G11240110 SMART WIFI MAT PLANONFLSPARK
	Addon technical information	Wifi remote control compatibility list
	Addon technical information	Wifi remote control compatibility list (DE)
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety insert G11243082
	Legal information	Legal Insert G11244761
	Declarations of conformity	SMART Matter Planon Sparkle

Documents and certificates		Document name
	Declarations of conformity UKCA	SMART Matter Planon Sparkle
	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
4099854473487	Folding box 1	82 mm x 502 mm x 503 mm	3583.00 g	20.71 dm³
4099854473494	Shipping box 4	525 mm x 347 mm x 528 mm	15343.00 g	96.19 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.