

## PRODUCT DATASHEET

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

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

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#### Areas of application

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



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#### 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

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#### 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

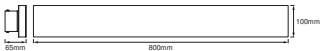
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 27.00 W       |
| Nominal voltage                                             | 220...240 V   |
| Mains frequency                                             | 50...60 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                              | 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         | 800.00 mm |
| Width          | 100.00 mm |
| Height         | 65.00 mm  |
| Product weight | 1630.00 g |



SMART WIFI PLANON  
FRAMELESS 80x10TW

## 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

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

## 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. |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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 FL                    |
|    | 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                         |
|  | 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                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854471032 | Folding box<br>1             | 839 mm x 95 mm x 135 mm              | 1834.00 g    | 10.76 dm <sup>3</sup> |
| 4099854471049 | Shipping box<br>6            | 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.

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### References / Links

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

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### DISCLAIMER

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