

PRODUCT DATASHEET

Smart+ Wifi Planon Magic 450x450mm

SMART+ WIFI PANEL MAGIC RGB | Smart panel TW RGB and dimmable



Areas of application

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

Product features

- Tunable White and Magic RGB
- Controllable via voice control available: Google Assistant or Amazon Alexa
- Adjustable color temperature via Tunable White: 2,700...6,500 K
- Dimmable
- Network protocol: WiFi
- Controllable via SMART+ App (with minimum Android 8.0 or iOS 14.0)



TECHNICAL DATA

Electrical data

| | |
|---|-------------------------------|
| Nominal wattage | 24.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 175.000 mA |
| Inrush current | 8.25 A |
| Inrush current time T _{h50} | 620 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 16 |
| Max. number of luminaires per miniature circuit breaker C10 | 18 |
| Max. number of luminaires per miniature circuit breaker C16 | 29 |
| Power factor λ | ≥ 0.5 |
| Total harmonic distortion | < 90 % |
| Protection class | I |
| Operating mode | Electronic control gear (ECG) |

Photometrical data

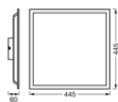
| | |
|--|----------------------|
| Luminous flux | 1900 lm |
| Total luminous flux of contained light sources | 2650 lm |
| Luminous efficacy | 79 lm/W |
| Color temperature | 2700...6500 K |
| Reference control setting of contained light source (Kelvin) | 2700 K ¹⁾ |
| Light color (designation) | RGBTW |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | 6 sdc _m |
| Flickering metric (Pst LM) | < 1 |
| Stroboscope effect metric (SVM) | < 0.4 |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG1 |
| Beam angle | 120 ° |

¹⁾ Performing a reset will restore the default values set by the manufacturer

Dimensions & Weight

| | |
|--------|-----------|
| Length | 445.00 mm |
| Width | 445.00 mm |

| | |
|----------------|-----------|
| Height | 60.00 mm |
| Product weight | 1200.00 g |



SMART WIFI PLN
MAGIC45X45RGBTWICTRC

Materials & Colors

| | |
|--|-------------------------------|
| Product color | White |
| Housing color | White |
| Body material | Steel |
| Cover material | Polymethylmethacrylate (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...+80 °C |
| Type of connection | Terminal, 3-Pole (L, N, PE) |
| Type of protection | IP20 |
| Protection class IK (shock resistance) | IK03 |
| Dimmable | Yes |
| Mounting type | Surface |
| Application environment | Indoor |
| With light source | Yes |

Lifespan

| | |
|----------------------------|---------|
| Lifespan L70/B50 at 25 °C | 30000 h |
| Number of switching cycles | 100000 |

BATTERY

| | |
|--------------------|--------|
| Battery size [GMS] | CR2025 |
|--------------------|--------|

Certificates & Standards

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

Additional product data

| | |
|-----------------------|--|
| Product remark | Reset settings to default by switching the product on for three seconds and off for three seconds and repeating this five times. |
| Number of illuminants | empty |





EQUIPMENT / ACCESSORIES

- Remote control and battery included
- For control via SMART+ App, a smartphone or tablet is required (with minimum Android 8.0 or iOS 14.0)

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- 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.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.
- Battery Warning: Keep out of reach for children. Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.
- If the battery compartment (if applicable) does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Please avoid: Maximal ambient temperature: +35 °C. Replacement of a battery with an incorrect type that can defeat safeguard (for example, in the case of some lithium battery types). Altitude during operation: 2000 m. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|--|--|
|  | User instruction / safety instructions | UI Smart Wifi Planon Magic |
|  | Extended installation guide | SMART+ WIFI INSTALLATION GUIDE |
|  | Declarations of conformity | CE Declaration Smart Wifi Planon Magic |
|  | Declarations of conformity UKCA | UKCA Declaration Smart Wifi Planon Magic |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854090394 | Folding box 1 | 90 mm x 495 mm x 498 mm | 1501.00 g | 22.19 dm³ |
| 4099854090400 | Shipping box 3 | 510 mm x 292 mm x 523 mm | 5120.00 g | 77.89 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/consumer/smart/faq

DISCLAIMER

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