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)

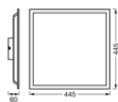### Photometrical data

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 sdcm
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

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
PDF	User instruction / safety instructions	UI Smart Wifi Planon Magic
PDF	Extended installation guide	SMART+ WIFI INSTALLATION GUIDE
PDF	Declarations of conformity	CE Declaration Smart Wifi Planon Magic
PDF	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 dm^3
4099854090400	Shipping box 3	510 mm x 292 mm x 523 mm	5120.00 g	77.89 dm^3

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.