PRODUCT DATASHEET
SMART+ MATTER Floodlight 100W Multicolour

SMART+ MATTER Floodlights | Floodlights with MATTER technology



Areas of application

- Building facades

Product benefits

- Easy and quick installation
- Colorful garden lighting with smart and intelligent control options
- Combines the functionality of general lighting and mood lighting

Product features

- Controllable via voice control available: Google Assistant or Amazon Alexa
- RGB color control, approx. 16 million color options adjustable
- Dimmable
- Color temperature: 3,000 K (Warm White)
- Mounting bracket for up to 180° tilting
- Type of protection: IP65
- Connection via 0.5 m cable, wiring required
- Controllable via SMART+ App (with minimum Android 8.0 or iOS 14.0) or any other Matter-compatible platforms
- Network protocol: Matter over WiFi (2.4 GHz)

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TECHNICAL DATA

Electrical data

Nominal wattage	100.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	440 mA
Inrush current	22 A
Inrush current time T_{h50}	152 µs
Max. number of luminaires per miniature circuit breaker B16	20
Max. number of luminaires per miniature circuit breaker C16	20
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

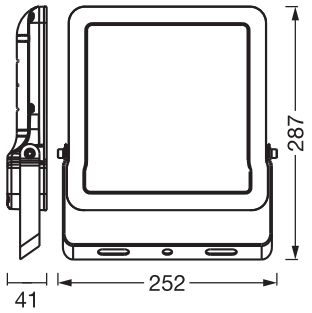
Photometrical data

Luminous flux	8000 lm
Total luminous flux of contained light sources	9000 lm
Luminous efficacy	80 lm/W
Color temperature	3000 K
Light color (designation)	RGBW
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcm
Luminous intensity	3600 cd
Photobiological safety group acc. to EN62778	RG1
Beam angle	100 °

Dimensions & Weight

Length	252.00 mm
Width	41.00 mm
Height	287.00 mm
Product weight	1620.00 g

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SMART WIFI MAT FLOOD
100W RGBW LEDV

Materials & Colors

Product color	Dark grey
Housing color	Dark grey
Body material	Aluminum
Cover material	Glass
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…+85 °C
Type of connection	Cable, 3-pole
Type of protection	IP65/IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface
Mounting location	Wall
Application environment	Outdoor
Mounting height	<5 m
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	30000 h
Number of switching cycles	15000

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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	Reset settings to default by switching the product on for three seconds and off for three seconds and repeating this five times.

EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Mounting screws and dowels included
- Control via app or voice control requires compatible Smart home system
- 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.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	USER INSTRUCTION - SMART WIFI MAT FLOOD LEDV
PDF	Legal information	SMART WIFI MAT FLOOD
PDF	Legal information	SMART WIFI MAT FLOOD
PDF	Declarations of conformity	CE declaration SMART
PDF	Declarations of conformity UKCA	UKCA declaration SMART
PDF	EU Data Act	SMART MATTER Lamps Luminaires Plugs

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854739927	Folding box 1	48 mm x 267 mm x 298 mm	1787.00 g	3.82 dm^3
4099854739934	Shipping box 5	285 mm x 257 mm x 323 mm	9317.00 g	23.66 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/en-int/home-lighting/services/faq

DISCLAIMER

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