



## 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)
- Network protocol: WiFi
- 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)



## TECHNICAL DATA

### Electrical data

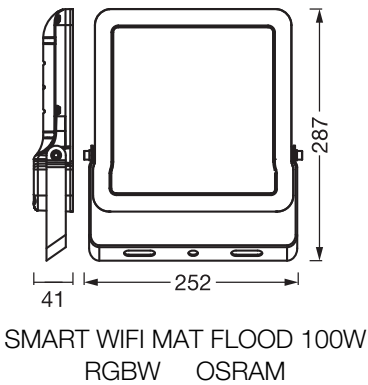
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 100.00 W      |
| Nominal voltage                                             | 220...240 V   |
| Mains frequency                                             | 50...60 Hz    |
| Nominal current                                             | 440 mA        |
| Inrush current                                              | 22 A          |
| Inrush current time $T_{h50}$                               | 152 $\mu$ s   |
| Max. number of luminaires per miniature circuit breaker B16 | 20            |
| Max. number of luminaires per miniature circuit breaker C16 | 20            |
| Power factor $\lambda$                                      | > 0.90        |
| 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 sdcn |
| 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 |



Materials & Colors

|                                            |           |
|--------------------------------------------|-----------|
| Product color                              | Dark gray |
| Housing color                              | Dark gray |
| 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          |
| 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              |
| 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                                 |
|------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|
|  | User instruction / safety instructions | USER INSTRUCTION - SMART WIFI MAT FLOOD OSRAM |
|  | Legal information                      | SMART WIFI MAT FLOOD                          |
|  | Legal information                      | SMART WIFI MAT FLOOD                          |
|  | Declarations of conformity             | CE declaration SMART                          |
|  | Declarations of conformity UKCA        | UKCA declaration SMART                        |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854739866 | Folding box<br>1             | 48 mm x 267 mm x 298 mm              | 1787.00 g    | 3.82 dm <sup>3</sup>  |
| 4099854739873 | Shipping box<br>5            | 285 mm x 257 mm x 323 mm             | 9318.00 g    | 23.66 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.