# LEDVANCE

# PRODUCT DATASHEET
## Floodlight Essential Sensor 50W 6500K

**Essentials Floodlights Sensor | Essential Floodlights with Sensor for basic user purposes**

### Areas of application

– Outdoor
– Building facades

### Product benefits

– IP65 protection is suitable for outdoor application
– White satin-frosted diffuser for uniform glare-free light
– Demand based lighting and energy saving thanks to motion and daylight sensor

### Product features

– IP65 outdoor floodlight
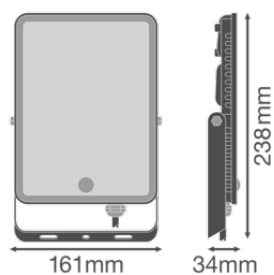– Adjustable light angle

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 50.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 230.000 mA |
| Inrush current time $T_{h50}$ | 80 µs |
| Max. no. of lum. on circuit break. B16 A | 56 |
| Max. no. of lum. on circuit break. C16 A | 56 |
| Power factor λ | ≥0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

### Photometrical data

| | |
|---|---|
| Luminous flux | 4500 lm |
| Total luminous flux of contained light sources | 4750 lm |
| Luminous efficacy | 90 lm/W |
| Color temperature | 6500 K |
| Light color (designation) | Cool Daylight |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | 6 sdcm |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG1 |
| Beam angle | 100 ° |
| UGR | < 28 |

### Dimensions & Weight

| | |
|---|---|
| Length | 238.00 mm |
| Width | 161.00 mm |
| Height | 34.00 mm |
| Product weight | 820.00 g |
| Cable length | 300 mm |

## Materials & Colors

| | |
|---|---|
| Product color | Black |
| Housing color | Black |
| Body material | Aluminum |
| 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 | Cable, 3-pole |
| Type of protection | IP65 |
| Dimmable | No |
| Mounting type | Surface |
| Application environment | Outdoor |
| LED module replaceable | Not replaceable |
| With light source | Yes |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 25000 h |
| Number of switching cycles | 25000 |

## Sensor

| | |
|---|---|
| Type of sensor | Motion / Daylight |
| Sensor detection angle | 90 ° |
| Sensor controlled switching time | 10 s |
| Detection range of motion sensor | 4 m |

## Certificates & Standards

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

## EQUIPMENT / ACCESSORIES

– Connection cable included

## DOWNLOAD DATA

| | DOWNLOAD DATA |
|---|---|
| PDF | User instruction |
| PDF | Declarations of conformity |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075768413 | Folding box 1 | 38 mm x 165 mm x 249 mm | 883.00 g | 1.56 dm³ |
| 4058075768420 | Shipping box 12 | 351 mm x 243 mm x 273 mm | 11008.00 g | 23.28 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.

## DISCLAIMER

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