

# 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 (for sensor types 100W, 150W, 200W: IP44, the protection against splash water)
- White satin-frosted diffuser for uniform glare-free light
- Demand based lighting and energy saving thanks to motion and daylight sensor

### Product features

- Type of protection, luminaire head and housing: IP65, Type of protection, Sensor: up to IP65
- Adjustable light angle



## TECHNICAL DATA

### Electrical data

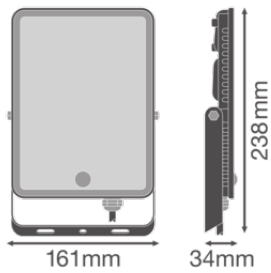
|   |                       |
|---|-----------------------|
| Nominal wattage   | 50.00 W               |
| Nominal voltage   | 220...240 V           |
| Mains frequency   | 50...60 Hz            |
| Nominal current   | 230.000 mA            |
| Inrush current time $T_{h50}$                               | 80 $\mu$ s            |
| Max. number of luminaires per miniature circuit breaker B16 | 56                    |
| Max. number of luminaires per miniature circuit breaker C16 | 56                    |
| Power factor $\lambda$                                      | $\geq 0.90$           |
| 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                       | $\geq 80$          |
| Standard deviation of color matching           | 6 sdc <sub>m</sub> |
| 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    |



FL Essential Sensor 50W

### 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          |
| Protection class IK (shock resistance) | IK04          |
| Dimmable                               | No            |
| Mounting type                          | Surface       |
| Application environment                | Outdoor       |
| With light source                      | Yes           |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 25000 h <sup>1)</sup> |
| Number of switching cycles | 25000                 |

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Sensor

|                        |                   |
|------------------------|-------------------|
| Type of sensor         | Motion / Daylight |
| Sensor detection angle | 90 °              |

|  |            |
|--|------------|
| Sensor controlled switching time       | 10 s       |
| Detection range of motion sensor       | 4 m        |
| Detection threshold of daylight sensor | 10...60 lx |

### Certificates & Standards

|  |                 |
|--|-----------------|
| Standards  | CE / UKCA       |
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

### Additional product data

|                       |       |
|-----------------------|-------|
| Number of illuminants | empty |
|-----------------------|-------|





### EQUIPMENT / ACCESSORIES

- Connection cable included

### 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.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

### DOWNLOAD DATA

|  | Documents and certificates             | Document name               |
|--|--|-----------------------------|
|  | User instruction / safety instructions | FL ESSENTIAL                |
|  | Legal information                      | Legal insert FL ESSENTIAL   |
|  | Declarations of conformity             | CE Declaration FL Essential |
|  | Declarations of conformity UKCA        | FLOODLIGHT                  |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075768413 | Folding box<br>1             | 38 mm x 165 mm x 249 mm              | 883.00 g     | 1.56 dm <sup>3</sup>  |
| 4058075768420 | Shipping box<br>12           | 351 mm x 243 mm x 273 mm             | 11008.00 g   | 23.28 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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## DISCLAIMER

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