

# PRODUCT DATASHEET

## Floodlight Essential Sensor 150W 4000K

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

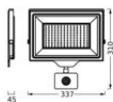
|   |                       |
|---|-----------------------|
| Nominal wattage   | 150.00 W              |
| Nominal voltage   | 220...240 V           |
| Mains frequency   | 50...60 Hz            |
| Nominal current   | 675.000 mA            |
| Inrush current  | 1.50 A                |
| Inrush current time T <sub>h50</sub>                        | 136 µs                |
| Max. number of luminaires per miniature circuit breaker B16 | 16                    |
| Max. number of luminaires per miniature circuit breaker C16 | 16                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class  | I                     |
| Operating mode  | Integrated LED driver |

### Photometrical data

|  |            |
|--|------------|
| Luminous flux                                  | 15000 lm   |
| Total luminous flux of contained light sources | 17000 lm   |
| Luminous efficacy                              | 100 lm/W   |
| Color temperature                              | 4000 K     |
| Light color (designation)                      | Cool White |
| Color rendering index Ra                       | > 80       |
| Standard deviation of color matching           | 6 sdcn     |
| Luminous intensity                             | 6000 cd    |
| Flickering metric (Pst LM)                     | <1         |
| Photobiological safety group acc. to EN62778   | RG0        |
| Beam angle                                     | 110 °      |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 337.00 mm |
| Width          | 45.00 mm  |
| Height         | 310.00 mm |
| Product weight | 1580.00 g |
| Cable length   | 250 mm    |



FL ESSENTIAL SENSOR 150W 840  
BK

Materials & Colors

|  |          |
|--|----------|
| Product color                              | Black    |
| Housing color                              | Black    |
| 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           | -25...+80 °C  |
| Type of connection                     | Cable, 3-pole |
| Type of protection                     | IP44          |
| Protection class IK (shock resistance) | IK06          |
| Dimmable                               | No            |
| Mounting type                          | Surface       |
| With light source                      | Yes           |
| Replaceable light source               | No            |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 25000 h <sup>1)</sup> |
| Number of switching cycles | 12500                 |

<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 technology                | Passive infrared (PIR) |
| Detection range of motion sensor | 6 m                    |

Certificates & Standards

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





#### Additional product data

|                       |       |
|-----------------------|-------|
| 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.
- 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             | FL ESSENTIAL              |
|  | Declarations of conformity UKCA        | FLOODLIGHT ESSENTIAL      |

#### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075831612 | Folding box<br>1             | 57 mm x 347 mm x 283 mm              | 1714.00 g    | 5.60 dm <sup>3</sup>  |
| 4058075831629 | Shipping box<br>4            | 365 mm x 244 mm x 310 mm             | 7311.00 g    | 27.61 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.

#### DISCLAIMER

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