PRODUCT DATASHEET
Floodlight Essential Sensor 20W 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



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TECHNICAL DATA

Electrical data

Nominal wattage	20.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	90.000 mA
Inrush current time T_{h50}	56 µs
Max. number of luminaires per miniature circuit breaker B16	142
Max. number of luminaires per miniature circuit breaker C16	142
Power factor λ	≥0.7
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

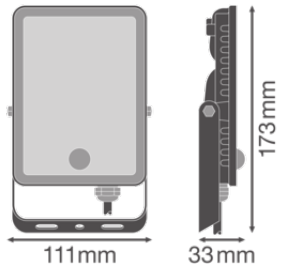
Photometrical data

Luminous flux	1800 lm
Total luminous flux of contained light sources	1900 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	173.00 mm
Width	111.00 mm
Height	33.00 mm
Product weight	360.00 g
Cable length	300 mm

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FL ESSENTIAL SENSOR 20W

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
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	25000 h [1)]
Number of switching cycles	25000

1) 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

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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
PDF	User instruction / safety instructions	FL ESSENTIAL
PDF	Legal information	Legal insert FL ESSENTIAL
PDF	Declarations of conformity	CE Declaration FL Essential
PDF	Declarations of conformity UKCA	FLOODLIGHT

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075768291	Folding box 1	40 mm x 114 mm x 182 mm	398.00 g	0.83 dm^3
4058075768307	Shipping box 20	382 mm x 214 mm x 252 mm	8370.00 g	20.60 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.

DISCLAIMER

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

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