

PRODUCT DATASHEET

Floodlight Essential Sensor 20W 4000K

Essentials Floodlights with EU Plug | Essential Floodlight for basic user purpose with EU Plug for direct power connection



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 (if applicable)

Product features

- IP65 outdoor floodlight with EU Plug
- Adjustable light angle



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	0.33 A
Inrush current time T_{h50}	56 μ s
Max. number of luminaires per miniature circuit breaker B16	142
Max. number of luminaires per miniature circuit breaker C10	88
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

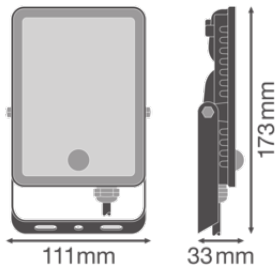
Photometrical data

Luminous flux	1800 lm
Total luminous flux of contained light sources	1900 lm
Luminous efficacy	90 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	6 sdc _m
Luminous intensity	730 cd
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	520.00 g

Cable length	1000 mm
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FL ESSENTIAL SENSOR 20W

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	-30...+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK04
Dimmable	No
Mounting type	Surface
Mounting location	Wall
Application environment	Outdoor
Adjustable	Yes
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	25000 h ¹⁾
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Number of switching cycles	25000
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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 / Light
Sensor technology	Passive infrared (PIR)
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
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Number of illuminants	empty
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EQUIPMENT / ACCESSORIES


- 1 m 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.

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	UI Floodlight Essential EU Plug
 Legal information	Legal Insert FL Essential EU Plug

Documents and certificates	Document name
 Declarations of conformity	CE Declaration FL Essential

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854094545	Folding box 1	82 mm x 114 mm x 181 mm	588.00 g	1.69 dm ³
4099854094552	Shipping box 15	427 mm x 357 mm x 209 mm	9406.00 g	31.86 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.