PRODUCT DATASHEET
Floodlight Essential Sensor 10W 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



© 2024, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

Nominal wattage	10.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	45.000 mA
Inrush current time T_{h50}	84 µs
Max. number of luminaires per miniature circuit breaker B16	284
Max. number of luminaires per miniature circuit breaker C16	284
Power factor λ	≥0.7
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

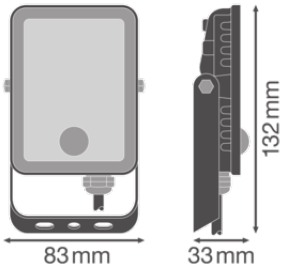
Photometrical data

Luminous flux	900 lm
Total luminous flux of contained light sources	950 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 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	132.00 mm
Width	83.00 mm
Height	33.00 mm
Product weight	260.00 g
Cable length	300 mm

© 2024, LEDVANCE GmbH. All rights reserved.



FL ESSENT SENSOR 10W

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
LED module replaceable	Not replaceable
With light source	Yes

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

© 2024, LEDVANCE GmbH. All rights reserved.

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

Additional product data

Number of illuminants	empty

EQUIPMENT / ACCESSORIES

– Connection cable included

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction	FL ESSENTIAL
PDF	Packaging insert	Legal insert FL ESSENTIAL
PDF	Declarations Of Conformity CE	CE Declaration FL Essential
PDF	Declarations Of Conformity UKCA	FLOODLIGHT

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075768215	Folding box 1	40 mm x 87 mm x 141 mm	286.00 g	0.49 dm^3
4058075768222	Shipping box 20	299 mm x 214 mm x 200 mm	6030.00 g	12.80 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.

© 2024, LEDVANCE GmbH. All rights reserved.

DISCLAIMER

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

© 2024, LEDVANCE GmbH. All rights reserved.