PRODUCT DATASHEET
ENDURA® Flood Sensor Adjustable 20W 840 Black

ENDURA® Flood Adjustable Sensor | Adjustable floodlights with sensor

Areas of application

– Outdoor
– Garages
– Building facades

Product benefits

– Customer can adjust the light in all kind of directions according to his needs
– Easy installation thanks to fast connector, no need for manual wiring work
– Easy adjustment of sensor range, daylight detection and hold time

Product features

– Versatile adjustable bracket: Floodlight can rotate vertically and horizontally
– Easy possibility to mount on 90° edges thanks to corresponding mounting holes
– Homogenous illumination thanks to Panel look
– Adjustable IR daylight and motion sensor
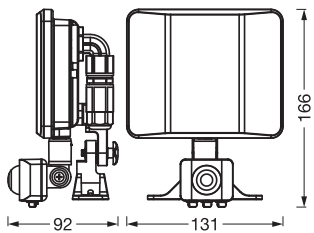
TECHNICAL DATA

Electrical data

Nominal wattage	20.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	86.000 mA
Inrush current	0.086 A
Inrush current time T_{h50}	370 µs
Max. number of luminaires per miniature circuit breaker B16	103
Max. number of luminaires per miniature circuit breaker C16	103
Power factor λ	> 0.5
Protection class	I
Operating mode	Mains voltage

Photometrical data

Luminous flux	1700 lm
Total luminous flux of contained light sources	2200 lm
Luminous efficacy	85 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)	<1
Stroboscope effect metric (SVM)	<0.4
Beam angle	120 °

Dimensions & Weight

Length	131.00 mm
Width	92.00 mm
Height	166.00 mm
Product weight	300.00 g

ENDURA FL ADJ SEN

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-30…+80 °C
Type of connection	Terminal, 3-Pole (L, N, PE)
Type of protection	IP44/IP44
Protection class IK (shock resistance)	IK05
Dimmable	No
Mounting type	Surface
Mounting location	Wall
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 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	Light / Motion
Sensor technology	Passive infrared (PIR)

Sensor detection angle	120 °
Detection range of motion sensor	5…8 m
Detection threshold of daylight sensor	5…2000 lx
Sensor IK rating	IK03

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

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

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.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	ENDURA FLOODLIGHT OSRAM
PDF	Legal information	Safety insert G11219601
PDF	Legal information	Informationstext 18 Abs 4 ElektroG

	Photometric and lighting design files	Document name
	Spectral power distribution	ENDURA FL SEN ADJ 20W

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854706318	Folding box 1	80 mm x 136 mm x 172 mm	348.00 g	1.87 dm³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854706325	Shipping box 12	497 mm x 297 mm x 204 mm	4505.00 g	30.11 dm³

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.