Integrated-LED Tri-Proof Light- PIR MOTION SENSOR - 44W-38W-32W-25W - OSRAM Driver - 150cm

Product code:

Reference: SENSOR-CRT-OSR150

Technical specifications:

REFERENCE: CRT-OSR150
Rated Power : 25W-32W-38W-44W
Nominal Voltage: 198-264V
Colour: 4000K
CRI - Chromatic Rendiment Index: 80
Construction Material: PET -Polyester + PMMA - Anti UV
Luminosity-Lm: 25W:3600Lm-32W:4300Lm -38W:5100Lm-44W:5800Lm
Number & Type of LEDs: SMD 2835
Beam Angle (º): 120º
Luminous diodo LED (Lm/W): 160 Lm/w
Luminous Efficiency (Lm/W): 146Lm/W
Certifications: CE - ROHS
IP : IP66
Diode Life Expectancy (H): 72.000h
Dimensions (mm): 1477x85x88 mm
Power Factor (PF): 0.93
Frequency (Hz): 50/60Hz
Temperature Range (ºC): -20°C ~ +55°C
On/Off Cycles: 100.000
Starting Time (s): 0,2s
Other Information: L70B50: 72.000h - L80B10: 50.000h -L90B10: 25000h
Control modes: PIR: Time: 5"-30"-1min -3 min- 5min-8 min. Ambient Light: 10 LUX/2000LUX
Impact Protection (IK) : IK08
Driver included: OSRAM ELEMENT 40/220-40/350 D CS L
Energy Rating (2021-UE-2019/2015): A++
Energy Rating (2023 - UE-2019/2015): D
Warranty Years: 5

Product short description:

Discover our **Integrated LED Waterproof Tri-Proof Light - PIR MOTION SENSOR -**, the perfect solution for efficient and long-lasting lighting in any space. **With selectable power from 25W to 44W,** this strip features a high-quality OSRAM Driver and a size of 150cm, making it ideal for any type of installation. Additionally, its waterproof design ensures total protection against dust and moisture, making it a perfect option for workspaces, warehouses, or any environment that requires high-performance lighting. Enjoy the most advanced LED technology with our Waterproof Tri-Proof Light!

Product description:

Integrated-LED Tri-Proof Light - PIR MOTION SENSOR - 44W-38W-32W-25W - OSRAM Driver - 150cm

The Integrated-LED Tri-Proof Light - Driver Osram- is the perfect solution to illuminate any space efficiently and durably. With selectable power from 25W to 44W, this strip features a high quality OSRAM Driver and a 150cm size that makes it ideal for any type of installation.

The gasket construction, sealing system and diffuser ensure a high degree of protection (IP66) against dust, pollution and water penetration. This rating allows the power strip to be widely used in dusty and humid environments.

The body of the power strip is available in reinforced polyester in light grey (RAL7035), which gives it excellent temperature resistance, mechanical stability and electrical insulation. In addition, it withstands the impact of various chemicals and adverse weather conditions. Its size and shape stability at changing temperatures is excellent.

The diffuser is made of injection moulded opalised PMMA, with unique non-ageing properties and high chemical resistance. Its luminous efficiency is extremely high thanks to a high light permeability of up to 90%. In addition, its light dispersion is well balanced, allowing excellent light uniformity without shadows and glare. Its light opening angle is 120°.

The gasket between the diffuser and the housing is made of silicone-based injected foam. The diffuser is fixed to the housing with vandal-proof stainless steel clips and the gear holder (reflector) is made of white powder-coated sheet steel.

The Osram Driver is available in four selectable wattages: 25W delivering 2800Lm, 32W delivering 4300Lm, 38W delivering 5100Lm and 44W delivering 6000Lm. The LED diode plate optimises the thermal management of the luminaire to avoid direct contact between the gear holder and the driver, thus increasing the lifetime of the strip.

The luminaire tray on which the LED diode plate is placed is made of sheet steel with oven-dried white powder coating. The luminaire fastening clips are safety clips: made of special tamper-proof stainless steel and cannot be handled with bare hands.

Our Integrated-LED Tri-Proof Light has a lifetime L70B50: 72.000h - L80B10: 50.000h -L90B10: 25000h, that means that:

- L70B50: After 72,000 hours of operation, the light emitted by the strip will have a luminous output of 70% of its original value (L70) and that 50% of the luminaires in a large sample will maintain that luminous output (B50).
- L80B10: After 50 000 hours of operation, the light emitted by the power strip shall have a luminous output of 80 % of its original value (L80) and that 10 % of the luminaires in a large sample shall maintain this luminous output (B10).
- L90B10: After 25,000 hours of operation, the light emitted by the strip will have a luminous output of 90% of its original value (L90) and that 10% of the luminaires in a large sample will maintain that luminous output (B10).

Impact resistance: The cover of the luminaire is made of PMMA (polymethyl methacrylate), with an impact index of IK08. The IK (international standard IEC 62262) is a measure of mechanical resistance or impact of an electrical or electronic product, used to indicate the level of protection against external impacts on a scale from 0 to 10. IK08 is a classification within the IK scale, indicating that the equipment has been tested and approved to withstand a mechanical impact of up to 5 joules (J) of energy (dropping a steel ball with a mass of 1.7 kg from a height of 0.2 meters three times). If the equipment passes the test without significant damage, it is considered to meet the IK08 impact resistance classification.

Our integrated waterproof LED strip is an excellent choice for those looking for high performance lighting in workspaces, warehouses or any environment that requires efficient, long-lasting illumination. With its waterproof and weatherproof design, this strip is an investment in high quality lighting.

DETECTOR SPECIFICATIONS:

►Ambient light: 10LUX/2000LUX (option)
►Time delay: 5s, 30s, 1min, 3min, 5min, 8min (choice)
►Detection movement speed: 0.6-1.5m/s
►Detection distance: 3 meters / 6 meters (choice) (24ºC)
► Installation height: 2.2-4 m (ceiling mount).

FUNCTION:

► It can identify day and night automatically: when turned to SUN ((down is SUN)), it will work day and night, when turned to MOON (up is MOON), it will only work in the ambient light less than 10LUX . Regarding the fit, please refer to the test form

► Adjustable SENS: can be adjusted according to the place of use. Low sensitivity sensing distance could be only 3 meters and high sensitivity could be 6 meters, which suits a large room.

► Time-Delay is added continuously: when it receives the signals of the second induction within the first induction, it will restart in time from the moment

INSTALLATION TIPS:

Since the detector responds to changes in temperature, avoid the following situations:

► Avoid pointing the detector at objects with highly reflective surfaces, such as mirrors, etc.

► Avoid mounting the detector near heat sources such as heating ducts, air conditioning units, lights, etc.

► Avoid pointing the detector at objects that may move in the wind, such as curtains, tall plants, etc.

PROOF:

► Slide the LUX switch to the SUN position (down is SUN). Slide the SENS switch to maximum (down is maximum). Set the TIME switch, slide the switch 5" (seconds) to the ON position (slide up).

► Turn on the power; the sensor and its connected lamp will have no signal at first. After 30 seconds warm up, the sensor can start to work. If the sensor receives the induction signal, the lamp will light up. As long as there is no other induction signal anymore, the load should stop working in 5 seconds and the lamp would go out.

► Slide the LUX knob up to minimum (Moon). If the ambient light is higher than 10LUX, the sensor will not work and the lamp will stop working as well. If the ambient light is less than -3LUX (dark), the sensor would work. Under conditions of no induction signal, the sensor should stop working within 5 seconds.

Note: When testing in daylight, please turn the LUX (SUN) knob position, otherwise the sensor lamp could not work. If the lamp is more than 60W, the distance between the lamp and the sensor should be at least 60cm.

SOME PROBLEM AND SOLVED WAY

►Charging does not work:

-Check whether the connection of power supply and charging is correct.
-Please check if the charging is good.
-Check if the work light setting corresponds to the ambient light.

►Sensitivity is poor:

-Check if there is any obstacle in front of the detector that affects the reception of the signals.
-Check if the ambient temperature is too high.
-Check whether the induction signal source is in the detection field.
-Check if the installation height corresponds to the height required in the instructions.
-Check if the movement orientation is correct.

►The sensor cannot turn off the load automatically:

-Check if there is a continuous signal in the detection field.
-Check if the delay time is set to the maximum position.

The Integrated-LED Tri-Proof Light with selectable wattage can be used in a variety of indoor and outdoor applications thanks to its high degree of protection (IP66) against dust, pollution and water penetration. Examples of use are in:

- Workspaces
- Warehouses
- Garages
- Workshops
- Corridors
- Courtyards
- Entrances
- Car parks ...

In FactorLED we ensure that our products have QUALITY guarantee and offer all the necessary elements for DISTRIBUTION, IMPORT or WHOLESALE, including the technical data sheet of each LED product.

Additional images:

Notice: Product subject to change without prior notice. Ensure to use the most recent technical datasheet.

OSRAM Opto Semiconductors

HIGH RESISTANCE - LONG LIFE

Safety clips : Stainless steel

ENERGY SAVING

25W: 3600Lm
32W: 4300Lm
38W: 5100Lm
44W: 5800Lm

OSRAM

OSRAM

IP66

Injected silicone + Resistance

L70B50: 72.000h

Installing