

# Omni-Directional Brightness Sensor

## SENSOR-SUNOMNI-0TO10V



### Overview

The Solarai Omni-Directional Brightness Sensor 'SENSOR-SUNOMNI-0TO10' is a light sensor capable of measuring illumination levels both in, and outdoors.

The photodiode technology and processing method used by the sensor ensures a consistent level of sensitivity over a wide measuring range.

The ability to be operated with either DC or AC supply voltage, with an analog output signal of 0-10V, makes the Solarai Brightness Sensor suitable for a wide variety of applications, including commercial automation systems.

### Features

#### Wide Measuring Range

Measuring range of 0-100,000 Lux.

#### Compact

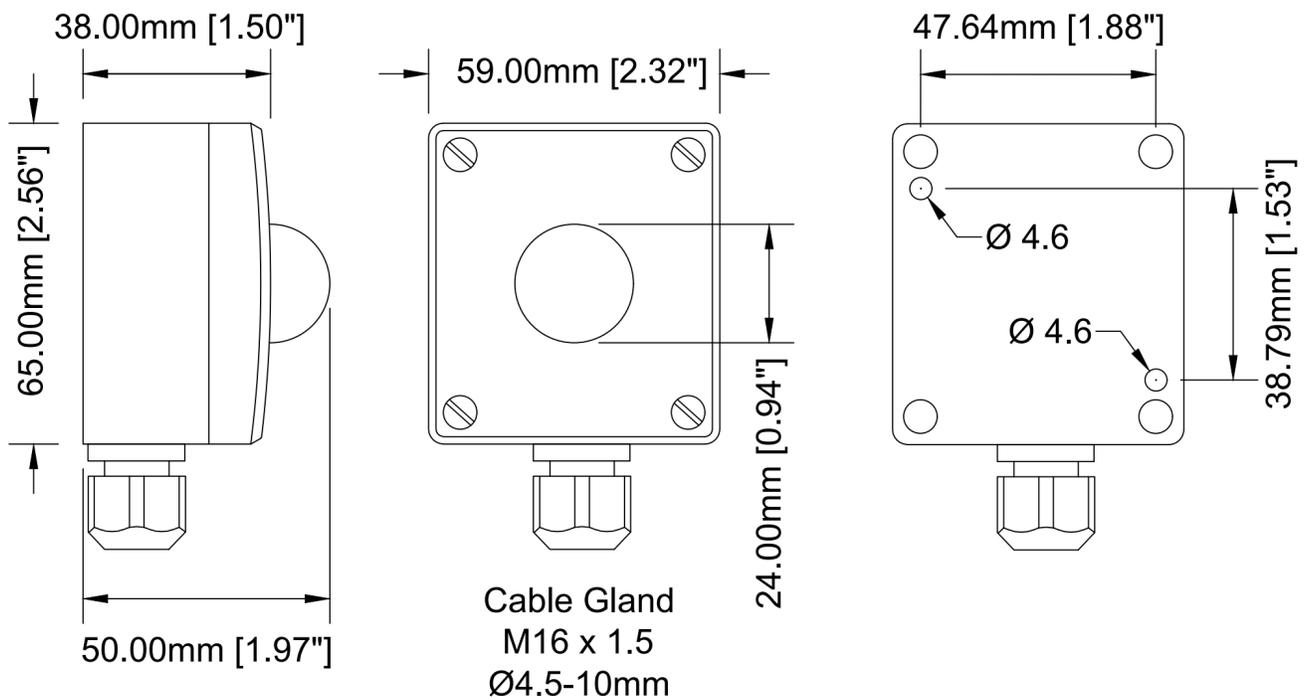
Small footprint and low profile allows for the sensor to be installed without creating visual mass.

#### Robust

IP54 enclosure ensures that the sensor can be used reliably in the harshest environments.

#### Accurate

The three-point calibration ensures accurate readings across its entire measuring range.



Specification	Description
Model	SENSOR-SUNOMNI-0TO10V
Measuring Range	0 - 100,000 Lux
Sensor	Photodiode
Maximum spectral sensitivity	600 nm
Accuracy	<math>\pm 10\%</math> at vertically incidence of light
Supply Voltage	12 - 24V AC/DC
Output Voltage	0 - 10V DC
Current consumption	approx. 6.2 mA
Power consumption	approx. 75 mW at 12 V DC approx. 150 mW at 24 V DC
Operating Temperature	-20° C TO +75° C
Warranty	2 Year Standard Warranty - Extended Warranty Options Available
Enclosure Type	Plastic
Mounting	Surface
Dimensions	59 x 65 x 38 mm
IP Rating	IP54

## Ordering Information

Sensor Part # - SENSOR-SUNOMNI-0TO10V

