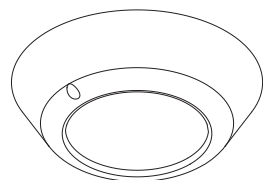


315 MHz
 100 Ft Indoor
 Wireless and Batteryless
 Solar Powered Photosensor



Project Name

Spec Type

Notes

Order Guide

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Quantity		Airwave	Photosensor

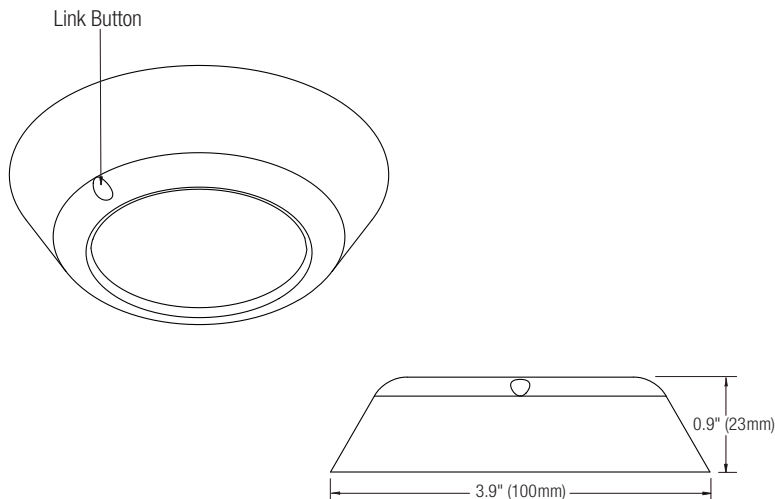
Specifications



The Airwave photosensor is a battery-free device which operates on solar energy harvested from integral miniature photovoltaic cells. This enables the device to be placed anywhere in the space and moved at any time after the initial installation. The photosensor monitors the ambient light present in a space and wirelessly transmits light levels to the Airwave transceiver. The transceiver then uses the data to automatically dim, brighten or switch ON/OFF the associated lights.

Power source	Miniature photovoltaic cells — no batteries required
Measurable light range	0-47 footcandles (0-510 lux)
Minimum light to charge	4.6 footcandles (50 lux) at 100 second transmission (light level not changing) 23 footcandles (250 lux) at 10 second transmission (light level constantly changing)
View angle	Approximately 140°
Mounting	Surface mount via screws, tape, glue, etc.
Operating temperature	-25° to +65°C
Wireless frequency	315MHz
Transmission range	100 ft indoor (30.5 m)
Transmission interval	10 seconds when light level is changing, 100 seconds otherwise. Placement of photosensors must be within the light field of the fixtures it is linked to and should not be placed in direct sunlight. It is important not to use photosensors with suspended light fixtures where lamp light is shining directly into the photosensor.

NOTE: Photosensor set points are stored in the transceiver memory; one set point for 0-10V dimming ballasts, and another set point for standard non-dimming ballasts. Set points can be changed by the user. See the Airwave Programming Guide for instructions on adjusting set points.



Airwave is FCC and UL approved for use in the United States, IC and CSA approved for use in Canada, and meets the requirements of the California Building Standards Code Title 24.

