

# CYC Sensor

Bluetooth Wireless Fixture Mount Sensor

Project:	
Type:	
Note:	

## DESCRIPTION

The CYC is a compact, IP65-rated, BLE 5.2 wireless multi-sensing device designed for efficient lighting control in various indoor and outdoor applications. It features PIR motion sensing, daylight sensing, and dual 0-10V channel outputs for LED driver control. By default, the device operates as a 0-10V channel for dimming and 2nd 0-10V channel for color tuning, with motion and daylight sensing functionalities configurable via the Lumos mobile application. The CYC is available with either an audio jack or a Zhaga Book 18 connector, facilitating seamless integration into diverse lighting systems.

## SPECIFICATION FEATURES

### Electrical System

- The product is powered from 12-24VDC auxiliary output of driver. 0-10V output channel is connected to the driver for dimming and color tuning. The motion sensor and daylight sensor (inactive by default) in the device can be configured and activated using mobile application based on the requirement.

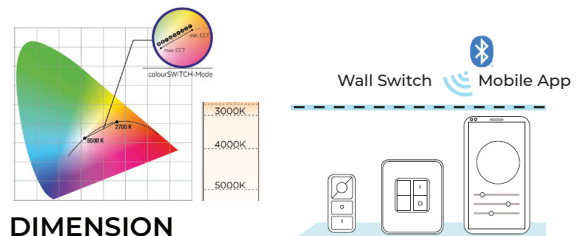
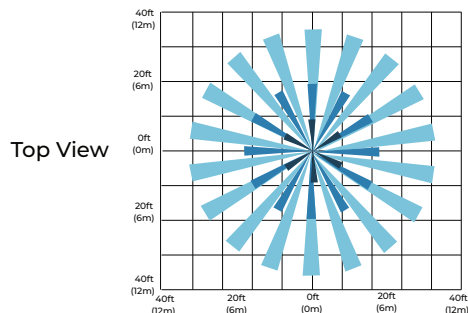
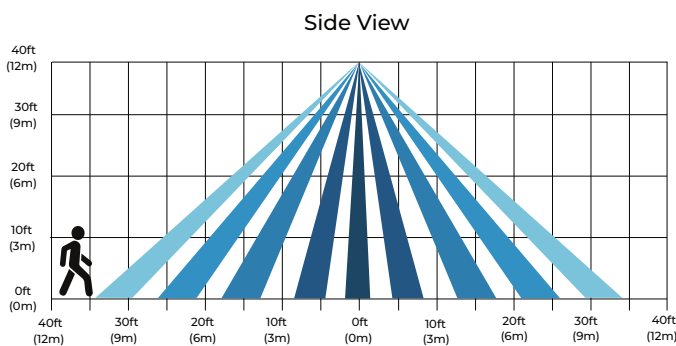
### Output Channel

- Output: 15mA @0-10VDC
- Dimming range: 0-100%
- Working temperature: -20 to 50°C (-4 to 122°F)
- Max mounting height: 12m (39.3ft)
- Max PIR sensor detection range: 16-18m in diameter

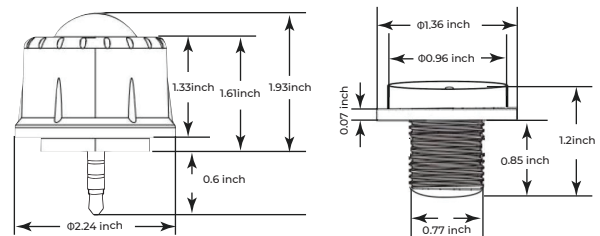
### Warranty

- 5 Years

## PIR Motion Detection Pattern



## DIMENSION



## Wiring

Pin	Description	Lead Wire Color
1	12-24VDC Input	RED
2	GND/DIM-	GRAY
3	CH1 0-10V DIM+	YELLOW
4	CH2 0-10V DIM+	PURPLE

