



# GO-LED Fixture

## Architectural LED Luminaire

Client: \_\_\_\_\_  
Project Name: \_\_\_\_\_

Order #: \_\_\_\_\_  
Type: \_\_\_\_\_ Qty: \_\_\_\_\_

### Performance Data

CRI  
85

CCT  
3500K, 4000K, 3W, 5W

Projected Lifetime  
152,000 Hours (L70);  
98,000 Hours (L80)

Dimming  
0-10V Dimming Standard,  
10% to 100%

Operating Temperature  
-30°C to +50°C Ambient

Safety Listed  
UL and cUL, Suitable for dry  
and damp locations; IC-rated



|                      |   |   |
|----------------------|---|---|
| <b>DLC</b><br>Listed | <b>10 Yr</b><br>Warranty<br>Including Labor | <b>USA</b><br>Buy American<br>Act Compliant |
|----------------------|---|---|

### Description

The design-driven Game Over LED Fixture features easy installation and delivers a cost-saving solution for upgrading fluorescent troffers or parabolics to LED technology. Ideal for commercial applications such as offices, classrooms, healthcare facilities, and retail spaces. All of Deco's Game Over LED Fixtures come standard dimmable and offer the most advanced LED technology on the market with efficacies of up to 140 lumens per watt. GO-LED Fixtures are manufactured with quality components and finishes, resulting in consistent and balanced lighting when mixing configurations in the same space. A main diffuser and slanted troffer reduce the GO Fixture's glare to provide soft, dispersed illumination with the comfort of inhabitants in mind. With their visual appeal and ease of installation, Deco's family of GO-LED Fixtures will transform and revamp any space in minutes.

### Features

- High reflectance optical engine delivers main beam focus through the optically designed acrylic lens.
- Linear ribbed acrylic lens overlay manages the balance of efficiency and aesthetics.
- Delivers efficacy of up to 140 lm/W
- Linear arrayed LED modules provide soft, but effective illumination.
- Ideal for recessed commercial applications such as office spaces, hospitals, educational facilities, transportation centers, etc.
- Frosted acrylic lens easily removes for cleaning.
- Dimming (0-10V) and Architectural Narrow lens are standard.
- FCC Compliant



### Ordering Information

#### A FIXTURE SERIES

GO-LED      Game Over Architectural LED Fixture

#### B SIZE

|    |       |
|----|-------|
| 22 | 2 x 2 |
| 24 | 2 x 4 |

#### C WATTAGE/LUMENS (SIZE 22)

|    |                         |
|----|-------------------------|
| 18 | 18W/2340 <sup>1,2</sup> |
| 26 | 26W/3250 <sup>1,2</sup> |
| 35 | 35W/4410 <sup>1,2</sup> |

#### (SIZE 24)

|    |                         |
|----|-------------------------|
| 25 | 25W/3500 <sup>1,2</sup> |
| 34 | 34W/4280 <sup>1,2</sup> |
| 46 | 46W/5800 <sup>1,2</sup> |

#### D CCT

|    |                                      |
|----|--------------------------------------|
| 35 | 3500K                                |
| 40 | 4000K                                |
| 3W | 3 Channel Tunable White <sup>3</sup> |
| 5W | 5 Channel Color Tuning <sup>3</sup>  |

#### E VOLTAGE

UNV      120-277V

#### F LENS

N      Architectural Narrow Lens

#### G FIXTURE TYPE

F      Fixture

#### H OPTIONS

|      |  |
|------|--|
| EM   | Emergency  |
| EN   | Enlighted Sensor   |
| EO   | EnlightedONE System <sup>4</sup>   |
| AR   | Air Supply/Return  |
| VW0  | Lutron Vive System Enabled Fixture (External RF only Standard 0-10V X% Driver (also available with FCJS-ECO module for ES1, ES5 options) <sup>5</sup>        |
| VWS0 | Lutron Vive System Enabled Fixture (External RF w/Occ & Daylight Sensor) Standard 0-10V X% Driver (also available with FCJS-ECO module for ES1, ES5 options) |
| ES1  | Lutron LDE1 Series EcoSystem 1% Dimming with Soft On Fade to Black   |
| ES5  | Lutron LDE5 Series EcoSystem 5% Dimming  |

<sup>1</sup> Delivered Lumens (4000K) - Multiply by 0.98 for 3500K

<sup>2</sup> DLC Premium Listed Wattage - See DLC matrix on Page 2

<sup>3</sup> See Pages 4-5 for more info

<sup>4</sup> See more info on Page 6

<sup>5</sup> VW0 option shipped separately from fixture

**Dimensions**

|       | Length | Width  | Depth |
|-------|--------|--------|-------|
| 2 x 2 | 23.78" | 23.78" | 3.62" |
| 2 x 4 | 47.71" | 23.78" | 3.62" |

**Lutron Options**

**VWO** Lutron Vive System Enabled Fixture(External RF only) Standard 0-10V X% Driver

**VWS0** Lutron Vive Wireless Fixture (External RF w/Occ & Daylight Sensor) Standard DALI X% Driver

**ES1** EcoSystem digital control, Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to- Black. Ideal for conference rooms, restaurants, lobbies, ballrooms, and lecture halls. Benefits include: All benefits of the ES5 series plus beautiful, smooth flicker-free dimming down to 1% and a Soft-on, Fade-to- Black™ feature, which provides an incandescent-like experience when transitioning from off to 1% and vice versa.

**ES5** ES5 - EcoSystem digital control, 5-Series EcoSystem LED driver. Flicker-free dimming from 100% to 5%.

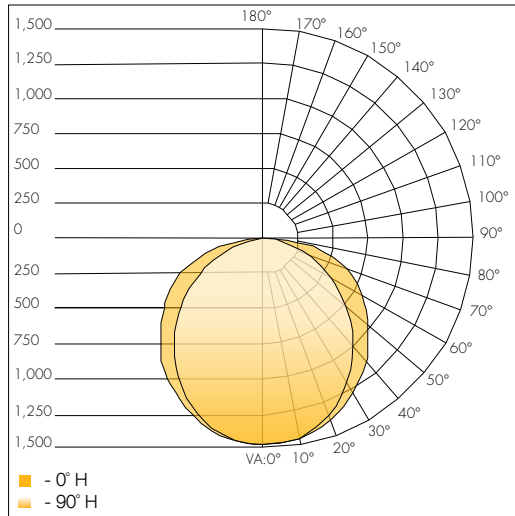
Lutron Vive Lighting Control System (applies to VWO and VWS0 options)

Lutron Vive is a revolutionary wireless lighting control solution for new and existing commercial buildings, combining a variety of lighting control strategies with controls and sensors to maximize efficiency and system flexibility. A Lutron Vive lighting control solution can reduce energy consumption by 60% or more by employing the following strategies:

- Occupancy/vacancy sensing turns lights on when occupants are in a space and off when they vacate the space.
- Daylight harvesting dims electric lights when daylight is available to light the space.
- Scheduling provides pre-programmed changes in light levels based on time of day.
- Demand response automatically reduces lighting loads during peak electricity usage times.
- Plug load control automatically turns off loads after occupants leave a space.
- Personal dimming control gives occupants the ability to adjust the light level.
- HVAC integration controls heating,ventilation, and air conditioning systems through contact closure, or BACnet protocol.
- System Optimization Service from Lutron identifies important lighting control adjustments to save additional energy and create a more productive work environment on an ongoing basis.
- High-end trim sets the maximum light level based on customer requirements in each space.

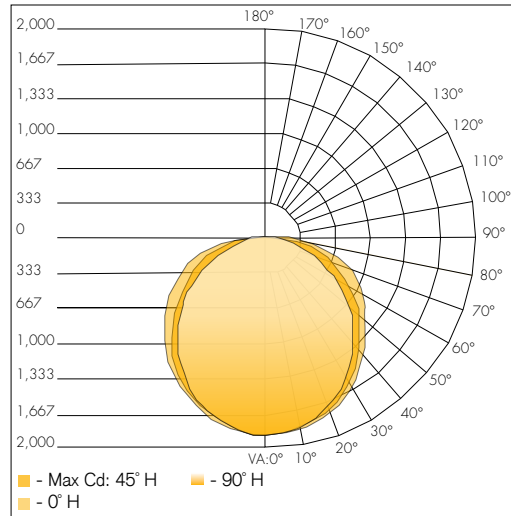
**Photometrics**

Polar Graph - 2x2 35W 4000K



Delivered Lumens: 4409  
CRI: 85

Polar Graph - 2x4 46W 4000K



Delivered Lumens: 5770  
CRI: 85

**DLC Listing**

|       | 2 X 2 |     |     | 2 X 4 |     |     |
|-------|-------|-----|-----|-------|-----|-----|
|       | 18W   | 26W | 35W | 25W   | 34W | 46W |
| 3500K | X     | X   | X   | X     | X   | X   |
| 4000K | X     | X   | X   | X     | X   | X   |

**Compatible Drivers**

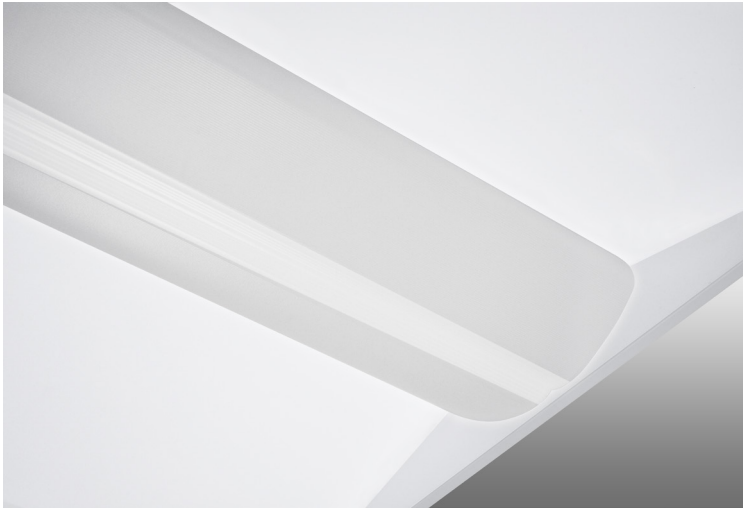
| Brand  | EASEIC  | LEVITON  |
|--------|---------|----------|
| Models | EID110U | AWSMT716 |

### Air Return Option

Air Supply/Return



### Close-Up View



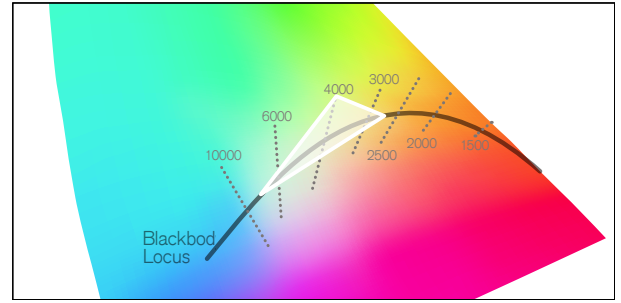
# DECO SPECTRUM™ WHITE

## 3-Channel Tunable White Circadian Rhythm-based Illumination

Deco Spectrum™ White is a three-channel tunable white solution delivering a wide range of color temperatures precisely along the blackbody curve to replicate natural daylight. This new introduction to the Vector series combines precision dimming with human-centric tunable white illumination aimed to more accurately follow the body's circadian rhythm than static white luminaires. This system is an ideal solution for healthcare, education, and office applications seeking to better tailor lighting to the evolving needs of their clients and customers.

The benefits of Deco Spectrum™ White include:

- Both lumen and color maintenance ensure consistent light output throughout the life of the fixture
- The Architectural Dimming control system delivers precise dimming via DMX for both tunable white and color applications with fixed and mobile user interfaces
- 90+ CRI throughout entire tunable CCT range
- On-Planckian tuning from a warm 2700K to cool 6500K
- Delivers the highest possible quality of tunable white light currently available, replicating the visual comfort of natural daylight.



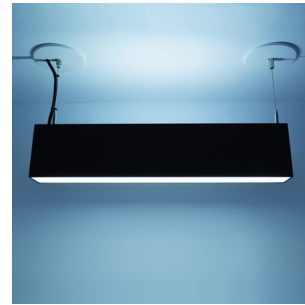
Three White LEDs Tunable range is within the white shaded gamut. (2700K – 6500K)



2700K



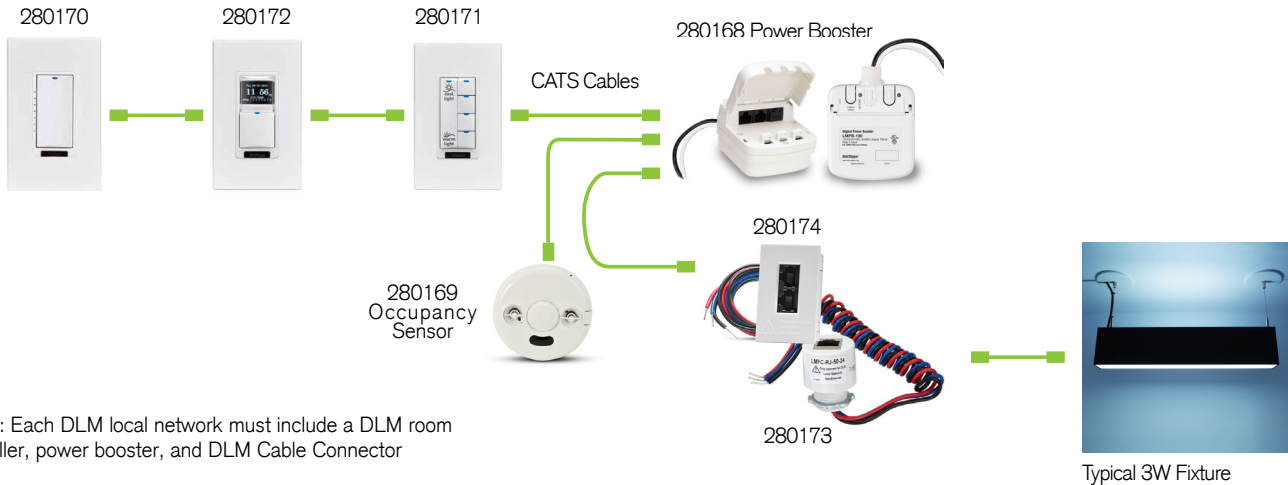
3500K



6500K

### Connection

Sample Connection Diagram with 3W Fixtures



NOTE: Each DLM local network must include a DLM room controller, power booster, and DLM Cable Connector

### Parts

- 280168-** DLM Power Booster -Conduit Mount -120-277VAC
- 280169-** Occupancy Sensor
- 280170-** DLM Digital Dimming Wall Switch - White
- 280171-** DLM Digital Color Preset Switch - White
- 280172-** DLM Digital Color Control Schedule Switch - White
- 280173-** DLM Cable connector whip with one RJ45 port and 24" leads; fits 1/2" KO
- 280174-** DLM Cable connector whip with two RJ45 port and 24" leads; fits rectangular Opening

# DECO SPECTRUM™ COLOR

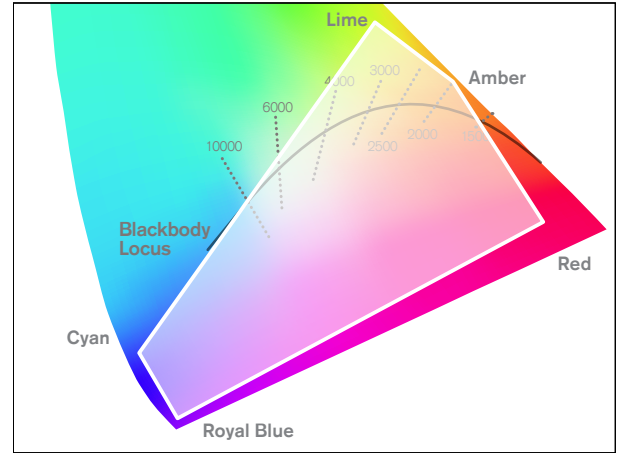
## 5 Channel Color Tuning

Deco Spectrum™ Color mixes five different colors of high brightness, broad spectrum LEDs – none of which are white – to deliver light that is 2 MacAdam ellipses about the Planckian curve at 90+ CRI across the tuning range. The result: light that accurately depicts – across the full tuning range – the object's color as compared to its color in true sunlight.

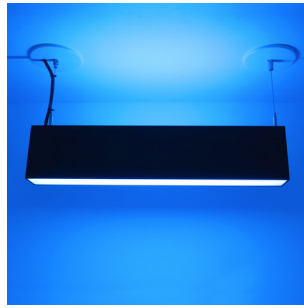
The number of control channels deployed in a color tuning system impacts the quality of the light and consistency of color. It also affects the color tuning range, the level of gamut control and the efficacy of the solution.

The benefits of Deco Spectrum™ Color include:

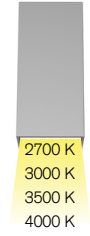
- Perfectly natural white light.
- On-Planckian tuning from 1650K to 8000K.
- Dimming from 100% to 1% while maintaining CCT, or variable CCT from 3050K down to 1800K to match traditional incandescent or MR-16 lamp dimming
- Industry-leading color rendering (Ra) greater than 90, throughout the tuning range.
- Gamut control for unlimited control and customization of lighting design using the Saturation and Hue controls.
- Consistent color of 2 SDCM about the Planckian Curve over the life of the module.
- Deco 5 Channel Color Tuning must be controlled using DMX protocol only.



Five Color LEDs (1650K – 8000K) Tunable range is within the white shaded gamut. With Deco Spectrum™ you can go off the curve to change saturation and hue.



Color Select



## Example Control Options



SM-8 (SM-8)

The SM-8 is a Wall-Mounted DMX Controller with 8 preset static lighting scenes.



STICK (280188)

The STICK is a Wall-Mounted Smart DMX Controller with USB and Ethernet connectivity. Users can load multiple zones with static and transient scenes, and attach photos to each scene that will appear on the LCD screen.

## Enlighted Micro Sensor

### Overview

The Micro Sensor is a complete sensing and lighting control node powered from its attached light fixture. An innovative carrier-based mounting design supports easy installation and replacement. With integrated wireless communications for data transmission and remote configuration as well as autonomous fixture-level control, this sensor brings advanced lighting automation to a whole new level.

| The Enlighted Micro Sensor |      |       |         | The Enlighted Fixture Carrier |     |       |         |
|----------------------------|------|-------|---------|-------------------------------|-----|-------|---------|
| Body                       | L    | 0.88" | 22.5mm  | Body                          | L   | 0.51" | 13 mm   |
|                            | Dia  | 0.73" | 18.5 mm |                               | Dia | 0.81" | 20.7 mm |
| Bezel                      | Dia. | 1.06" | 27.0 mm | ---                           | --- | ---   | ---     |

### Features and Benefits

#### Bluetooth Low Energy:

An embedded BLE radio allows the sensor to receive and transmit beacons as well as support communication with lighting control devices and other sensors.

#### Enlighted Sensor Interface (ESI):

IoT Ready™ LED drivers and Enlighted Control Units communicate with the sensor directly via a serial interface. The ESI provides access to device information, energy consumption, and digital lighting control.

#### Localized Lighting Control:

Light-level schedules, preferences, and behavior profiles for each fixture are wirelessly communicated during system setup and locally stored to ensure continuous operation.

#### Driver Compatibility:

Dimming and on/off control signaling for standard 0-10V ballasts and drivers in LED and fluorescent light fixtures.

#### Standards-Based Networking and Security:

The Enlighted 802.15.4 wireless network with AES-128 encryption delivers secure, reliable communication that coexists with Wi-Fi networks by sensing low-traffic channels and transmitting in bursts.

### Mounting

The Enlighted Micro Sensor is designed to be easily mounted into lighting fixtures or ceiling tiles such that only the discreet white faceplate is visible. The sensor slides into a carrier sleeve fitting a standard 1/2 inch trade size knockout or 7/8 inch (22 mm) hole. Carrier sleeves compatible with either lighting fixtures or ceiling tiles are available. Sensor replacement requires no tools—simply slide the sensor out of the carrier, unplug the connector, and install the new sensor.



#### Occupancy and Thermal Sensing:

A digital Passive Infrared (PIR) sensor combined with separate ambient and temperature sensing support precise motion identification while minimizing false detection events.

#### IoT Sensing Node:

When configured as an IoT Node, the sensor streams comprehensive live data for use with Enlighted's real-time location and analytics software applications. This option is available directly from the factory or as a remote upgrade.

#### Daylight Harvesting:

Captured ambient light information is locally processed to raise and lower light levels based on available daylight.

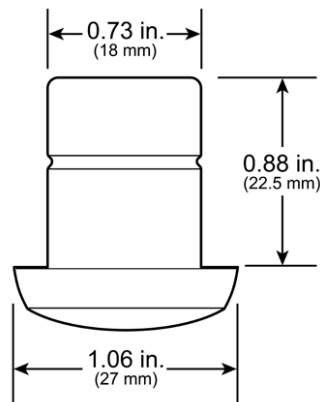
#### Edge Sensing:

Local processing capability supports advanced sensing and detection algorithms, providing optimization of existing features and enabling future applications.

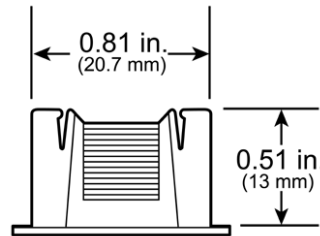
#### Room and Zone Control:

Pairs with room control switches for code-compliant manual-on or auto-off capability. Sensors can be grouped into zones that share occupancy sensing data and coordinate light control based on detected motion.

Micro Sensor



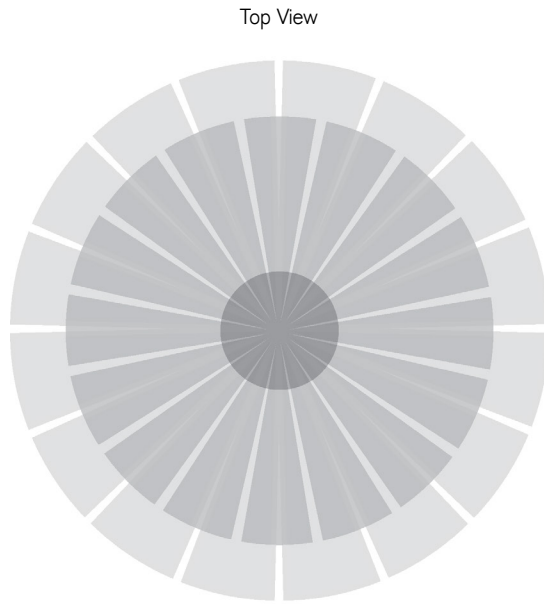
Carrier



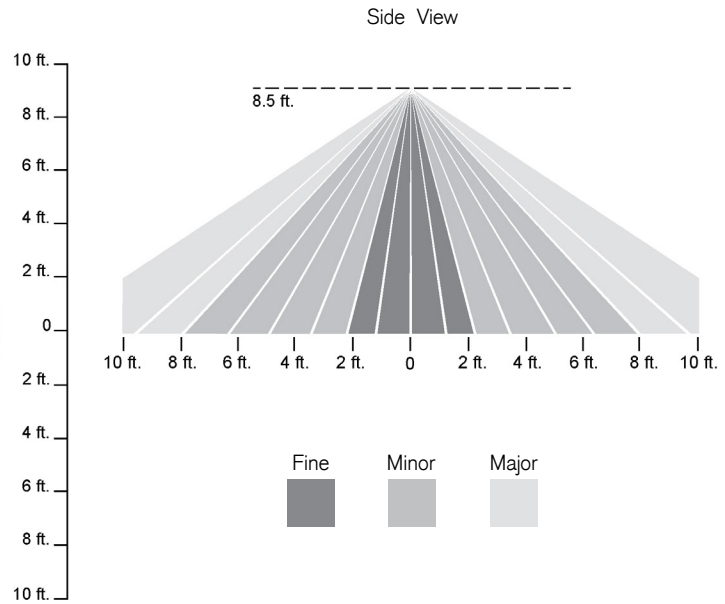
**Sensor Coverage Patterns**

The Enlighted Micro Sensor incorporates an optical Fresnel lens that works with the digital Passive Infrared (PIR) sensor to detect occupancy and motion. The multifaceted lens focuses light onto the PIR to produce an all-encompassing field of view through aggregation of many narrow fields of view. When the Micro Sensor is deployed as recommended, the area covered by each sensor overlaps, reinforcing coverage and accuracy across the entire floor plan.

| Ceiling Height | Fine Motion (Radius) | Minor Motion (Radius) | Major Motion (Radius) |
|----------------|----------------------|-----------------------|-----------------------|
| 8.5 ft/2.6 m   | 2.3 ft/0.7 m         | 8 ft/2.4 m            | 10 ft/3.0 m           |
| 15 ft/4.6 m    | 4.0 ft/1.2 m         | 10 ft/3.0 m           | 18 ft/5.5 m           |



Top View



Side View

**Technical Specifications**

|                                |                                  |
|--------------------------------|----------------------------------|
| Motion Sensing:                | Digital Passive IR               |
| Photosensor:                   | Light Pipe/Photosensor Array     |
| Enclosure:                     | ABS/Polycarbonate blend          |
| Type:                          | Closed Loop Light Sensor         |
| Operating Temp:                | 32° to 122° F / 0° to 50° C      |
| Radio Frequency:               | 2400–2483.5 MHz                  |
| Wireless Protocol:             | IEEE 802.15.4                    |
| Wireless Range:                | 150 ft. (46 m) radius open range |
| Encryption:                    | AES-128                          |
| Bluetooth 4.0 Low Energy (BLE) |                                  |
| Operating Frequency:           | 2400–2483.5 MHz                  |
| IEEE Standard:                 | 802.15.1                         |

**Ordering Information**

|                |  |
|----------------|--|
| SU-5E-IoT      | IoT Sensor   |
| SU-5E-CL       | Connected Lighting Sensor                            |
| SU-CL-IoT-UPG  | Connected Lighting to IoT Sensor Upgrade             |
| TMC-SU-5E      | Tile Mount Carrier                                   |
| CPL-RJ45       | Female RJ45 Coupler                                  |
| CBL-5E-CU4-30N | 30 inch Sensor Cable for CU-4 and IoT Ready™ drivers |
| CBL-5E-CU4-7F  | 7 foot Sensor Cable for CU-4 and IoT Ready™ drivers  |

**Compliance**

|               |               |
|---------------|---------------|
| Europe        | CE RoHS REACH |
| United States | FC            |
| Canada        |               |

**Warranty: 5 years**

View [www.enlightedinc.com/limited-warranty-terms](http://www.enlightedinc.com/limited-warranty-terms) for complete terms and conditions