

**ona™**  
Multimode Workstation Luminaire



**tambient®**  
...lighting at work



**tambient** from **The Lighting Quotient**  
[TheLightingQuotient.com](http://TheLightingQuotient.com)

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## Features

### Task Light

Softly illuminates your personal workspace to reduce visual distractions and support deep focus. Broad, diffuse distribution minimizes eye strain. Variable intensity and color tonality deliver an elevated personalized experience.

- Tunable-white, dimmable
- 2700-6500 CCT
- 1500 lm max
- Local keypad control

### Video Conference Light

Forward-facing tunable light enhances your presence on-camera. Studio-quality illumination ensures a professional look in every digital meeting.

- Tunable-white, dimmable
- 2700-6500 CCT
- 60fc<sub>v</sub> max at standard user position
- Local keypad control

### Foton™ Wellness Support System

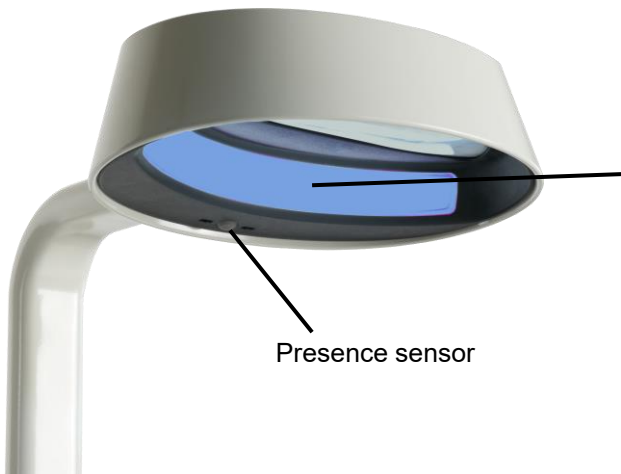
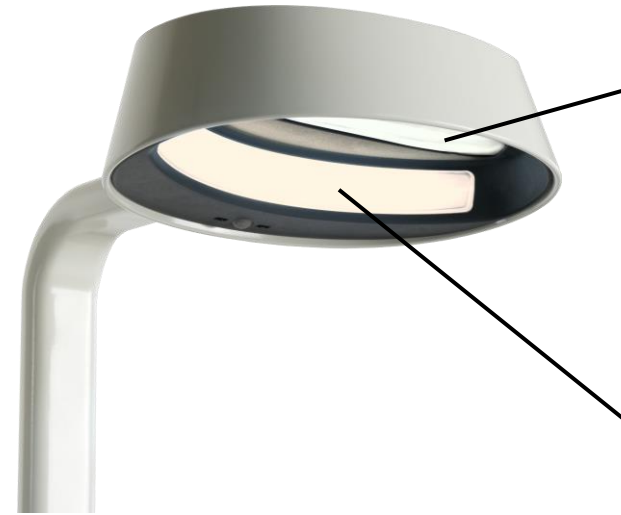
Automated melanopic blue light precisely tuned and timed to augment healthy biological rhythms, plus invisible deep penetrating near-infrared wavelengths to naturally stimulate cellular activity that fuels your body throughout the workday. Wireless, cloud-informed geo-synchronization, programmed timing circuitry and an integral presence sensor assure time-optimized operation and minimal energy consumption. Designed and tested for photobiological safety.

- Melanopic stimulus: 475nm peak wavelength, 250 mEDI at standard user position
- Meets UL DG 24480, WELL v2 Feature L03, CIE PS 001:2024, IES RP-46-25
- Near-infrared: 850nm peak wavelength
- NIR energy delivery: 5 J/cm<sup>2</sup>/hr at standard user position
- Fully automated to achieve recommended daily levels
- Integral user opt-out feature

### Low-glare Uplight

Precision indirect crossfire optics create a soft illuminated appearance and fill spaces with uniform reflected light that eliminates harsh shadows and enhances visual comfort.

- Tunable white, dimmable
- 2700-6500 CCT
- 3500 lm max
- Local keypad control or remote Casambi wireless control
- Gateway and direct integrations with 3<sup>rd</sup>-party lighting controls



## Features



### Stanchion Keypad (Personal Control S1 and S2\*)

Independent control of task light, video conference light and uplight\* intensity and CCT. Toggle Button selects element for ON/OFF, intensity and CCT adjustment. When element is OFF, Power Button turns element ON to last selected intensity and CCT. When element is OFF, Brighten Button turns element ON to last selected CCT and lowest intensity. When element is ON at lowest intensity, Dim Button turns the element OFF.

\*For uplight control via keypad, specify Personal Control S2

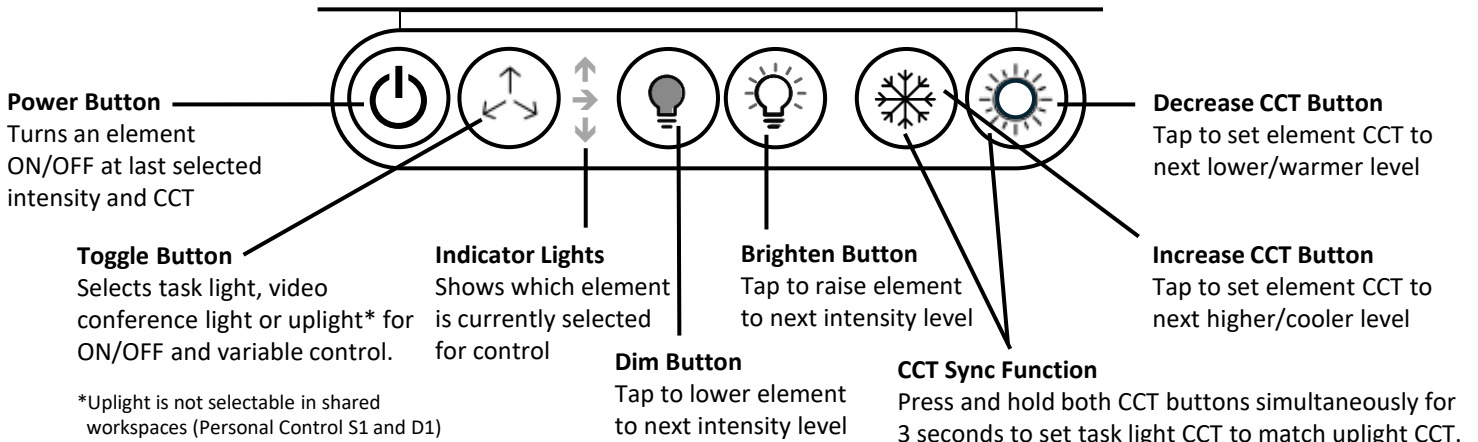


### Desk Edge Keypad (Personal Control D1 and D2\*)

Independent control of task light, video conference light and uplight\* intensity and CCT. Toggle Button selects element for ON/OFF, intensity and CCT adjustment. When element is OFF, Power Button turns element ON to last selected intensity and CCT. When element is OFF, Brighten Button turns element ON to last selected CCT and lowest intensity. When element is ON at lowest intensity, Dim Button turns the element OFF.

\*For uplight control via keypad, specify Personal Control D2

### KEYPAD FUNCTIONS



## PROJECT

|     |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|---|
| ONA |   |   |   |   |   |   |   |   |
| 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

### 1 STYLE

ONA = Multimode Personal Workstation Luminaire

### 2 DOWNLIGHT

TVC = Tunable white task light + tunable conference light

TVW = Tunable white task light + tunable conference +  
Foton™ wellness system

### 3 UPLIGHT

TW = Tunable white uplight

00 = No ambient light

### 4 MOUNT

D30 = Desk edge clamp, fixture at 30" above desk

M01 = Monitor pole adapter HAT E2

M02 = Monitor pole adapter HAT E5

M03 = Monitor pole adapter Humanscale M/Flex

### 5 FINISH

02 = Semigloss white      27 = Flat ivory white

08 = Semigloss black      08 = Vista flat black

PL = Semigloss Platinum      XX = Custom color match



### 6 PERSONAL CONTROL

D1 = Desk edge keypad – no uplight control

D2 = Desk edge keypad – with uplight control

S1 = Stanchion keypad – no uplight control

S2 = Stanchion keypad – with uplight control

## TYPE

### 7 REMOTE UPLIGHT CONTROL

CA = Casambi wireless uplight control

ZX = 0-10V wired uplight control

00 = No uplight control

XX = Custom uplight control integration

### 8 OPTIONS

00 = No options

XX = Custom modification

### 9

#### DESINTATION REQUIREMENT

0 = CSA certified for US

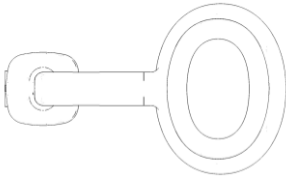
J = CSA certified for Canada

M = CE certified for international

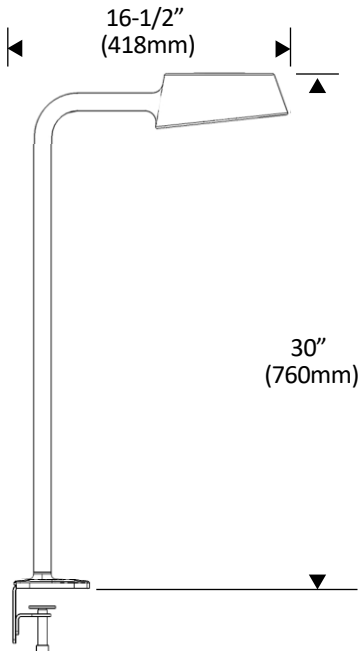
#### Example: ONA-TVW-TW-D30-PL-D1-CA-00-0

Multimode workstation luminaire with tunable white task light, tunable white video conferencing light, 475nm system for melanopic support, 850nm near- infrared system for photobiomodulation, tunable white ambient uplight, desk edge clamp with 30 inch high stanchion, platinum finish, desk edge keypad for control of task light, Casambi wireless uplight control, no options, and CSA certified for U.S.

**TOP VIEW**

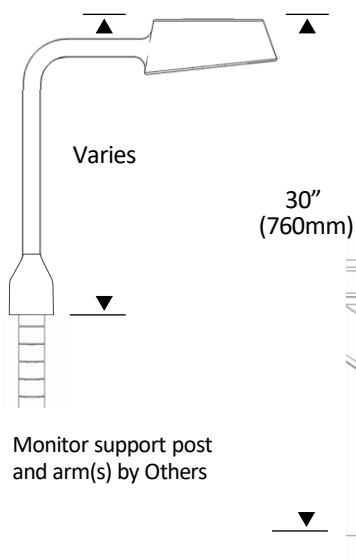
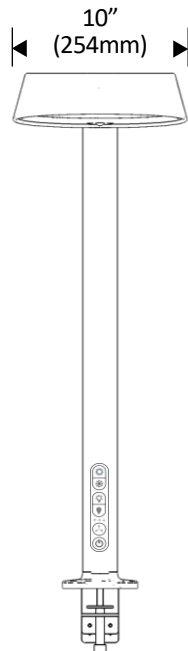


**SIDE VIEW**



**DESK CLAMP**

**FRONT VIEW**



Monitor support post  
and arm(s) by Others

**UNIVERSAL POST ADAPTER**

**Specifications**

**Finish:** Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset polyester powder coating for a durable abrasion, fade and corrosion resistant finish.

**Uplight:** Die cast aluminum light engine plate and heat sink, downward facing tunable white LED array projects light into injection molded low brightness uplight reflector for wide batwing distribution with 35° cutoff, clear acrylic micro-textured molded uplight lens.

**Task light:** Tunable white LED array, injection molded acrylic task lens for wide coverage of desk surfaces.

**Video conference light:** Tunable white LED array, injection molded reflector with acrylic softening lens

**Foton™ wellness system:** 475nm blue and 850nm near infrared. Optimized delivery system.

**Mounting:** Curved arm stanchion with integral universal desk edge clamp or universal monitor arm post adapter. Post adapter accepts posts up to 1.5" diameter.

**Electrical:** 120VAC/24VDC high power factor power supply in remote mounted aluminum enclosure 6ft 18/3 SJT power cord with NEMA 5-15P. 60W max input (full featured version with all features at full output).

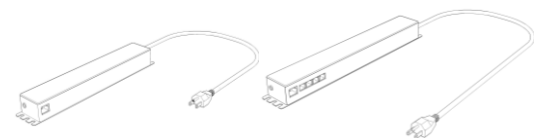
**Control:** Multi-function control keypad. Mounts under front edge of worksurface. Integral power/data cable plugs into COM port on power supply enclosure. Also available with integral stanchion mounted keypad. Dimming range 100%-5% (task light, video conference light and uplight). Integrated motion sensor with adjustable time-out. Remote and building integrated uplight control via integral Casambi BLE radio or 0-10V wired connection.

**Standard:** CSA certified for U.S. and Canada.

**POWER SUPPLY**

**CA Control**

**ZX Control**



|        |                |                 |
|--------|----------------|-----------------|
| Height | 1-1/2" (38mm)  | 1-1/2" (38mm)   |
| Width  | 2-1/8" (54mm)  | 2-1/8" (54mm)   |
| Length | 9-1/2" (241mm) | 11-1/2" (292mm) |

U.S. Pat. No. 10,945,325-B2, other U.S. and foreign patents pending

## ACCESSORIES

### Dimming Signal Transmitter

(Use with control CA only.)

2-channel dimming signal transmitter for wireless switching and dimming of tambient uplights via 3rd-party 0-10V dim-to-off lighting controls. Priced and ordered separately. Use Casambi® mobile app to create secure Bluetooth Low-energy network and link to one or two groups of tambient luminaires in network. Transmission range 30 feet to nearest luminaire in network. See following pages for details.

**CDT-CA-03-WH** = Dual-zone dim-to-OFF signal transmitter, 120/277V



### Self-Powered Wall Switch/Dimmer

(Use with control CA only.)

Self-powered, battery-less wireless switch for remote switching and dimming of tambient uplights. Priced and ordered separately. Use Casambi® mobile app to create secure Bluetooth Low-energy network and link to one or more tambient luminaires in network. White finish. See following pages for details.

**CWS-CA-1R-WH** = Self-powered wireless wall switch/dimmer



### Surface Mount Terminal Box

(Required for control ZX only)

Surface mount terminal box for direct wire connection to 3rd-party 0-10V dim-to-off lighting controls. Priced and ordered separately. Includes 10-ft RJ11 control cable.

**CRJ-11-TB2** = Dual-port surface terminal box

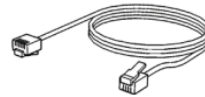


### Control Interconnect Cables

(Required for control ZX only)

Control interconnect cables connect multiple tambient lights to a CRJ-11-TB2 terminal box for simultaneous remote uplight control. Priced and ordered separately.

**CRJ-11-010** = 10-ft cable  
**CRJ-11-015** = 15-ft cable  
**CRJ-11-025** = 25-ft cable





Standard finish is white (shown). Ivory, light almond, brown, black, or gray finish available on request; minimum quantities may apply. Consult factory for details

## Overview

Provides remote manual switching and dimming of tambient uplights with integral Casambi® Bluetooth wireless controllers. Use the free Casambi® mobile app to add the CWS-CA-1R to a Casambi® network consisting of Casambi® enabled tambient lights. Then, use the app to configure the CWS-CA-1R switch to control the uplight in a single tambient luminaire or to collectively control the uplights in a group of tambient luminaires.

## Features

- Self-powered; no wiring or batteries needed
- Easy to install, program and reconfigure
- Sustainable; no electrical power, wiring, or maintenance

## Specifications

**Power Supply:** Electrodynamic energy harvester

**Operating Mode:** ON/OFF toggle; press-and-hold dimming

**Communications:** Bluetooth 2.4 GHz radio / Casambi®

**Transmission range:** 30ft (9m) indoors; metal wall box may reduce range

**Installation:** Mounting frame surface mounts to most surfaces via double-sided tape or screws by Others. Switch module fits standard wall boxes. Single-gang faceplate included.

**Life cycle/actuators:** > 250,000

**Operating temperature:** -13°F to 145°F (-25°C to 65°C)

**Relative humidity:** 5% to 95% RH (non-condensing)

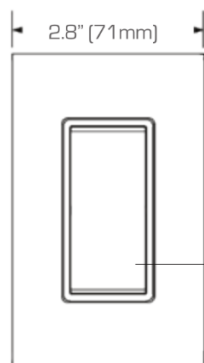
**Weight:** 3.4 oz. (96.4 grams)

**Agency listing:** FCC, IC

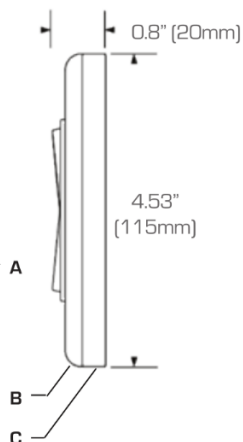
**Warranty:** 5 years

Self-powered Wall Switch/Dimmer

Front View

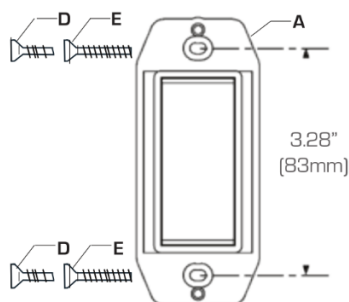


Side View

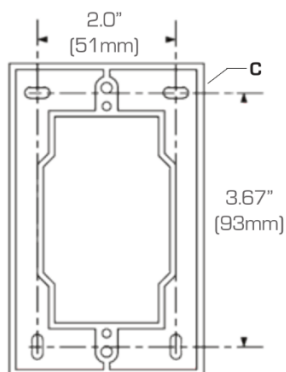


- A** Switch module
- B** Screwless snap-on faceplate (included)
- C** Screwless snap-on faceplate (included)
- D** (2) 6-32 x 3/8" flathead screws (included) for mounting switch module to surface mounting frame
- E** (2) 6-32 x 3/4" flathead screws (included) for mounting switch module to wall box (wall box not included)

Front View  
(switch module)



Front View  
(surface mounting frame)



Dimming Signal Transmitter



## Overview

Two-channel interface for wireless switching and dimming of tambient uplights with integral Casambi® Bluetooth wireless controllers. Connects to standard 0-10VDC lighting control devices and control systems. Use the free Casambi® mobile app to add the CDT-CA-03 dimming transmitter to a Casambi® network consisting of Casambi-enabled tambient lights. Then, use the app to configure each channel of the CDT-CA-03 to control the uplight in a single tambient luminaire in the network, or to simultaneously control all of the uplights in a specified group of tambient luminaire.

## Features

- 1/2" nipple facilitates mounting to electrical junction box
- Works with all third-party 0-10V analog dim-to-OFF lighting control devices and systems
- Self-healing mesh network technology assures communication with remote fixtures in complex spaces
- Administrator and operator password protection limits access to configurations and settings
- Eliminates control wiring to and between lights; allows for future reconfiguration without re-wiring

## Specifications

**Input (power):** 120-277VAC, 60Hz

**No-load input current:** 1.0 watt

**Input (control):** 2-wire analog, 0-10VDC, two channels

**Communications:** Bluetooth 2.401-2.483 GHz / Casambi®

**Transmission range:** 30ft indoor (15m)

**Installation:** 1/2" threaded nipple

**Operating temperature:** -13°F to 113°F (-25°C to 45°C)

**Relative humidity:** 0% to 80% RH (non-condensing)

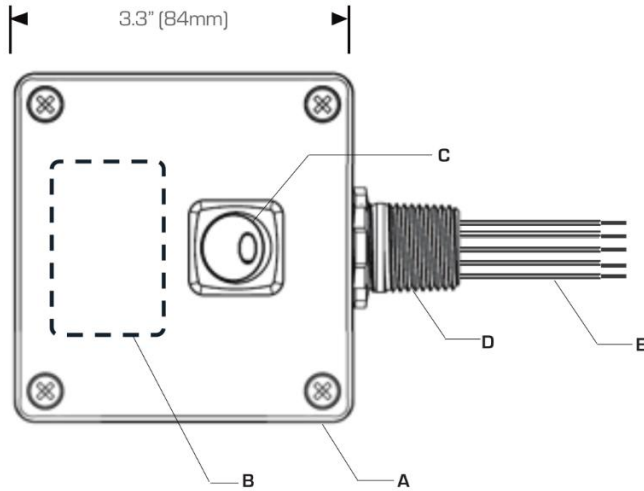
**Weight:** 13.5 oz. (383 grams)

**Agency listing:** FCC, IC

**Warranty:** 2 years

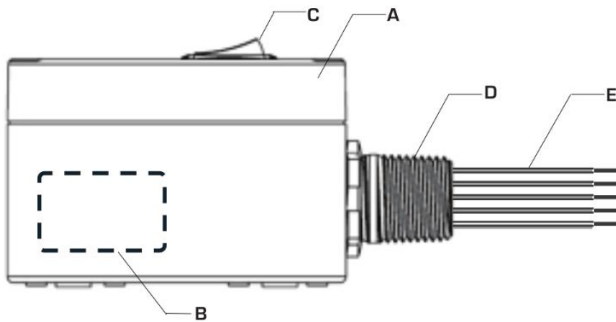
Dimming Signal Transmitter

Top View

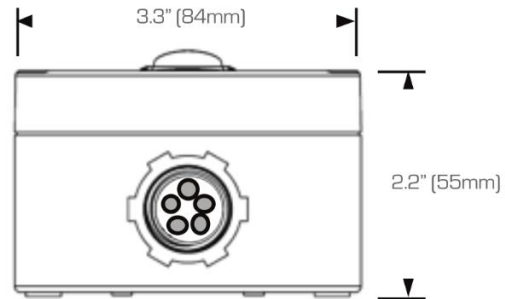


- A** Non-metallic enclosure
- B** 2-channel 2.4 GHz Casambi® BLE transmitter
- C** Surface mounting plate (included)
- D** 1/2" threaded nipple
- E** Wire leads

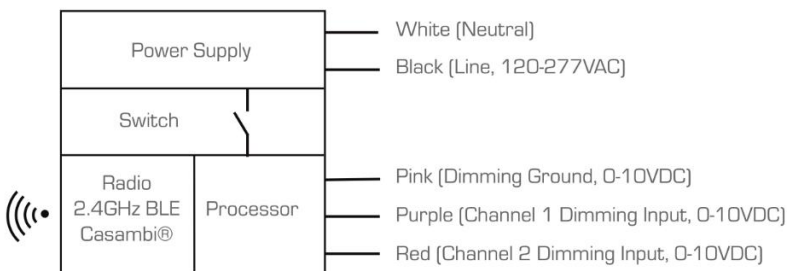
Side View



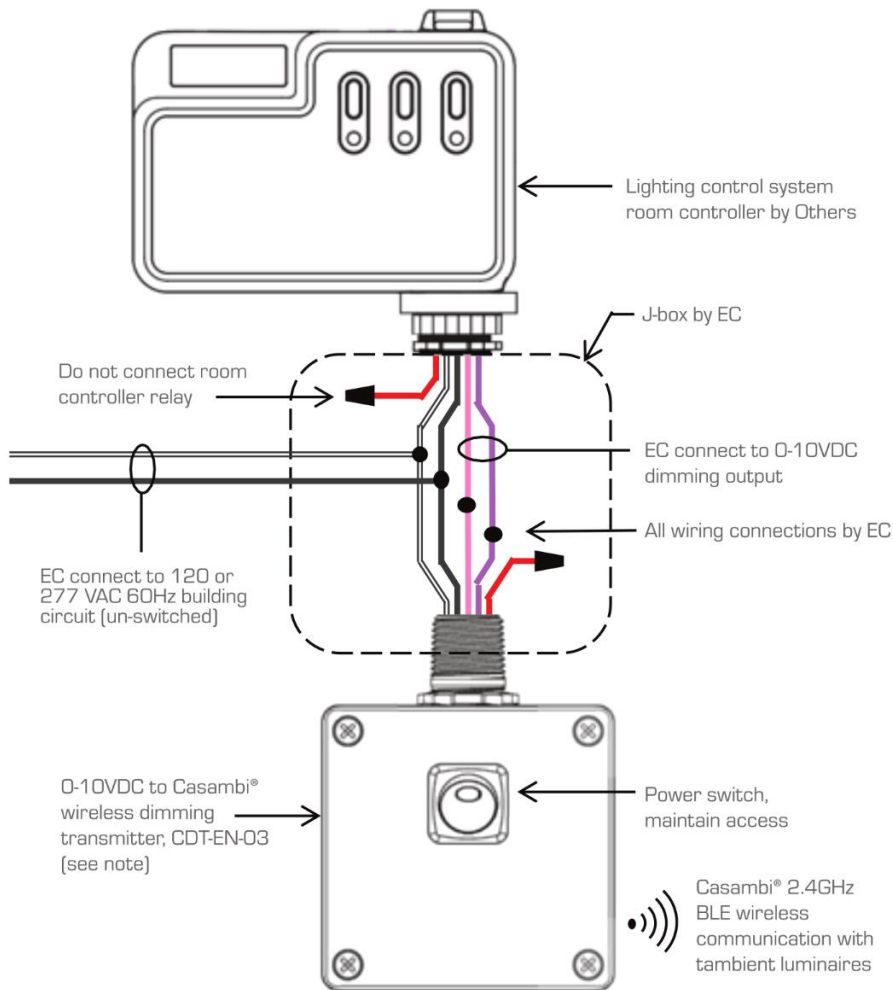
End View



Block Diagram



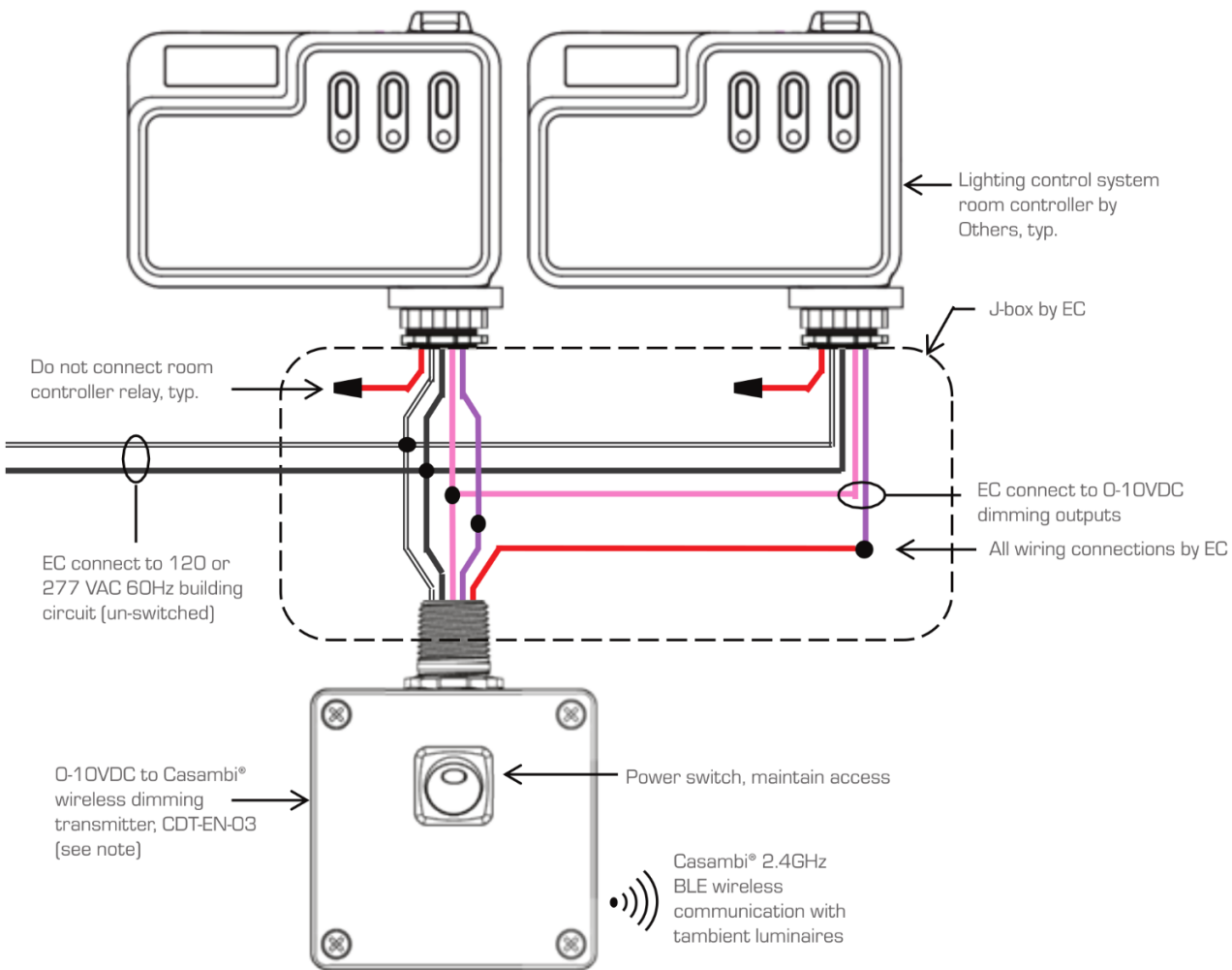
Dimming Signal Transmitter



**Note:** Install within 30 feet of nearest controlled tambient luminaire. Avoid metal and masonry barriers.

Wiring Diagram – Single Zone Control

Dimming Signal Transmitter



**Note:** Install within 30 feet of nearest controlled tambient luminaire. Avoid metal and masonry barriers.

Wiring Diagram – Dual Zone Control

### Typical Remote Uplight Control Integration

