



# Unwired Connecteded

with

# CASAMBI



# WHY?

## Unwired Connect

because we help untangle the cord

The world is complicated enough - why should your automation be too.  
*Uncomplicate* your life with systems that are simpler and economical to  
install and maintain. The world is going wireless - untangle the cord.

We will transform the future of connected... the unwired way"



# protocol agnostic

## Tech

Wi-Fi

Bluetooth

Zigbee

Proprietary WSN

## Partners

Cosmicnode

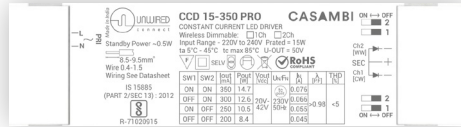
Tuya

Casambi

Kopp

# platform agnostic

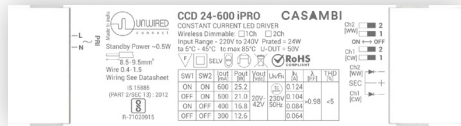
## ➤ Constant Current



### Constant Current 6-15W (PRO)

**Output Voltage**  
20Vdc - 42Vdc

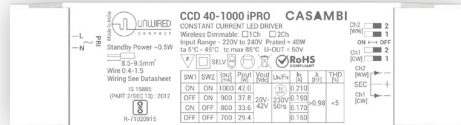
**Output Current**  
200mA, 250mA, 300mA & 350mA  
(Selectable by DIP switch)



### Constant Current 6-24W (PRO)

**Output Voltage**  
20Vdc - 42Vdc

**Output Current**  
300mA, 400mA, 500mA & 600mA  
(Selectable by DIP switch)



### Constant Current 15-40W (PRO)

**Output Voltage**  
20Vdc - 42Vdc

**Output Current**  
700mA, 800mA, 900mA & 1000mA  
(Selectable by DIP switch)

# the possibilities



## Non-disruptive installation & rapid commissioning

Wireless lighting can be installed without the need for surface reconstruction or the pulling of wires, and can be commissioned remotely from an app.

## Intuitive interface on mobile devices

Luminaries can be turned on and off remotely, and easily reconfigured and re-commissioned from a smart device.

## Task tuning

Lighting can be adjusted to the optimal level for individual areas improving safety and saving energy.

## Human-centric Lighting

Smart lighting can be programmed to follow human circadian physiology, health, alertness, and productivity.

## Occupancy detection

Sensors can detect motion to indicate the presence of a person and automatically turn on lights only when they are needed.



## Scheduling and timers

Create time-based scenes that turn on, off, or dim selected luminaries to present levels according to bespoke needs.

## Wireless emergency lighting

In case of emergency, lights can be swiftly and remotely controlled to shine at maximum brightness for increased visibility.

## Environmental monitoring

Connected lighting can be used as an on ramp for other applications such as remote air quality control, dangerous gas leak detection, or noise pollution monitoring.

## Daylight harvesting

Adjustable lighting strategies can be programmed and implemented reducing energy costs.



## ▶ Low Voltage Driver/Controllers



### Strip Light Controller

**Voltage Range:** 12Vdc/24Vdc  
**Output Current:** 10A



### Smart Relay

**Input Voltage:** 220Vac - 240Vac  
**Max Load:** Electric fan max 3.2A  
For PF = 0.9 - 700W,  
For PF = 0.5 - 350W

**Range of Operation:** 50 mtrs (LoS)  
**Operation:** Casambi Mobile App/  
Remote



### Track-light controller : 1CH

**Input Voltage:** 48Vdc  
**Vout:** 22V- 42V  
**Iout:** 150-700 mA (customisable)  
**Output Power:** Max 30W  
**Dimming Range:** 0.1% - 100%

## ▶ Low Voltage Driver/Controllers



### Track-light controller : 1CH+2CH

**Input Voltage:** 48Vdc  
**Vout:** 22V- 42V  
**Iout:** 150-700 mA (customisable)  
**Output Power:** Max 30W  
**No. of output channels:** 1CH/2CH  
**Dimming Range:** 0.1% - 100%



### CasDMX

**Integration:** 4-channel- standard Casambi color functions  
 8-channel- standard Casambi slider function  
 12-channel- sliders available in Evolution mode  
**Input Voltage range:** 12-24 VDC, Class 2  
**No-load input current:** 30 mA  
**DMX-512 Output:** 3-wire non-isolated DMX-512



### Scene-DMX-Cas

**DMX Integration:** Decodes two DMX channels -  
 First channel: maps upto 20 pre-defined scenes  
 Second channel": 0-100% intensity control for the selected scene  
**Input Voltage range:** 12-24 VDC  
**DMX-512 Output:** 3-wire non-isolated DMX-512  
**Operating temperature:** -25...+45°C



### Salvador 2000 series:

**DALI output Voltage range:** 12-15 VDC  
**Max current:** 200mA  
**DT6 and DT8 control:** upto 16/32/64 DALI luminaires individually



## ➤ Low Voltage Driver/Controllers



### CBU-A2D Controller

**Voltage Range:**  
100-240 Vac (CE/UL/CSA)  
277 Vac (UL/CSA only)  
**DALI Signal voltage:**  
12V output @20mA max

DT6 and DT8 upto 10  
fixtures group control  
only



### CBU-TED-LR Controller

**Range of Operation:** 200mtrs  
**Output power:** 100W @230 VAC  
**Max. output current:** 0.43A



### CBU-ASD-LR Controller

**Range of operation:** 200mtrs  
**Output voltage range:** 9-12 VDC  
DT6 and Dt8 upto 4 luminaires individual  
control



### CBU-DCS:

**Voltage range:** 9.5-22.5 VDC  
**Peak input current:** 30mA  
Requires external power supply

# the difference



UWC CASAMBI Driver

*The UWC Way!*



Driver

External  
CASAMBI  
Module

*Conventional Way!*

## > Accessories

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### IR Blaster

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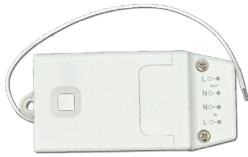
**Function:** Casambi BLE Mesh To IR Extender

**Power Supply:** 5V/1A Micro USB

**Wireless Distance:** 50mtrs

**IR Operating Distance:** Upto 15mtrs

**Working Temperature:** 0° - 40°C



### Curtain Controller - ER2508

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**Operating Voltage:** AC 100-240V 50/60Hz

**Power Rating:** 300W

**Radio Frequency:** 433MHZ & 2.4GHz

**Communication Distance RF:** 80m (outdoors) 25m (indoor)

**BLE:** 50m (outdoors) 30m (indoor)



### Kinetic Switch for Curtain Controller and Relay - ES 2300

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**Operating voltage:** Self Powered

**Radio frequency:** 433MHz

**Communication distance:** 25m (indoor)

## ➤ Accessories

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### **Kinetic Switch for Curtain Controller and Relay - ES2354**

**Operating voltage:** Self Powered

**Radio frequency:** 433MHz

**Communication distance:** 25m (indoor)



### **Cloud Gateway**

**Function:** Remote access and control of Casambi-enabled lighting networks over the internet

**Power supply:** 5V DC USB-C (min. 3A)

**Operating temperature:** 0 - 50°C ambient

**Operating distance:** 50m



### **Lithernet Gateway**

**Function:** integrate the Casambi Bluetooth lighting control system into BMS

**Power supply:** Over Ethernet

**Network speed:** 10/100Mb



### **Casambi Xpress-LR**

**Function:** 4 groups + Dimming + Tuning

**Working voltage:** 3V DC

**Battery Type:** CR2430 Lithium Coin Cell

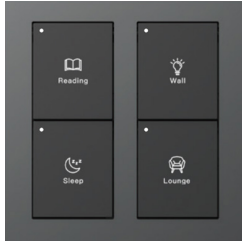
**Frequency band:** 2.4GHz ISM band

**Output Power:** 8 dBm

**Range of operation:** 50m LoS

**Colours:** Black, White

## ➤ Accessories



### 4-Button Switch

**Function:** 4-button switch  
**Working voltage:** 2 X 3V batteries  
**Frequency band:** 2.4GHz ISM band  
**Colours:** White, Grey



### 6-Button Switch

**Function:** 6-button switch  
**Working voltage:** 220V powered  
**Frequency band:** 2.4GHz ISM band  
**Colours:** White, Grey



### Rotary Dimmer 3-button

**Function:** 3-button switch + Rotary knob  
**Working voltage:** 220V powered  
**Frequency band:** 2.4GHz ISM band  
**Colours:** White, Grey



### Kinetic Keypad

**Function:** Battery-free wireless wall switch  
 Uses mechanical energy from pressing the switch to trigger a signal  
**Lifetime:** 50,000 clicks  
**Range:** 15m LoS (within one room)  
**Frequency:** 2.4 Ghz BLE range  
**Colours:** White only

## > Accessories

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### Occupancy + Daylight Sensor

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Detection range: 4-5m @25°C at 6m mounting height  
Input voltage: 100-240Vac  
Working current: 50mA max



### Passive infrared Occupancy + Daylight Sensor

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Detection diameter: 8-10m Max (for 8m mounting height)  
Input voltage: 100-240Vac  
Working current: 20mA max



### Motion + Daylight Sensor

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Transmission distance: 15m (LoS)  
Input voltage: 100-240Vac  
Working current: 20mA max  
Operating frequency: 5.8 GHz



### Casambi-enabled all-in-one Sensor

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Detection diameter: 13m max (2.7m mounting height)  
Input voltage: 220-240Vac  
DALI Output: 100mA at 16.5VDC (can support upto 25 drivers)



**thank you**

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Write to us on [info@unwiredconnect.in](mailto:info@unwiredconnect.in)

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