



# AMBIENTECH ZRCC-100-WG 0-10V Constant Current Tunable White Controller Owner's Manual

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## AMBIENTECH ZRCC-100-WG 0-10V Constant Current Tunable White Controller



### Product Information: Splitter

The Splitter is a Class 2 LED controller that enables tunable white control with any 0-10V CC LED driver. It is installed between the constant current LED driver and the tunable white LED load. The Splitter offers independent CCT (Correlated Color Temperature) control with no interference with the LED driver's dimming performance. CCT shifting is soft and smooth ensuring compliance with IEEE and Title 24 Flicker Requirements.

The Splitter has a 0-10V Constant Current Tunable White Controller and its P/N is ZRCC-100-WG. It has an input/output of 12-57VDC and 2000mA. It is Class 2 rated and suitable for dry and damp locations.

### Features & Benefits

- Soft and smooth CCT shifting
- No interference with LED driver's dimming performance
- Compliance with IEEE and Title 24 Flicker Requirements
- Independent CCT control
- Class 2 rated
- Suitable for dry and damp locations

### Specifications

#### Electrical Specifications

- Max Power: 96W (Class 2)
- Voltage Range: 12-57VDC
- Max Current: 2000mA

#### Control Specifications

- Control Protocol: 0-10V
- CCT Range: 0-100%
- 0-10V Range: 0-11V
- PWM CCT Curve: 3000Hz (IEEE Compliant)

#### Mechanical Specifications

- Input/Output: 12-57VDC | 2000mA
- Dimensions: 80.00mm x 40.00mm x 16.4mm

## Product Usage Instructions

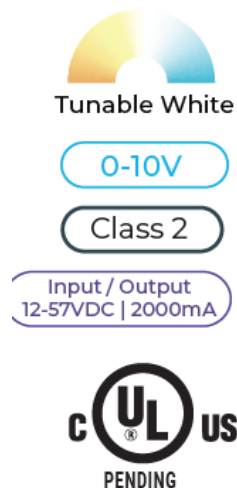
The Splitter should be installed between the constant current LED driver and the tunable white LED load. The wiring diagram provided in the user manual should be followed for proper installation. The Splitter can be controlled using a 0-10V signal and offers independent CCT control with no interference with the LED driver's dimming performance.

The Splitter is suitable for dry and damp locations and is Class 2 rated. It has a soft and smooth CCT shifting ensuring compliance with IEEE and Title 24 Flicker Requirements. The Splitter can be used with any 0-10V CC LED driver.

**P/N:ZRCC-100-WG**

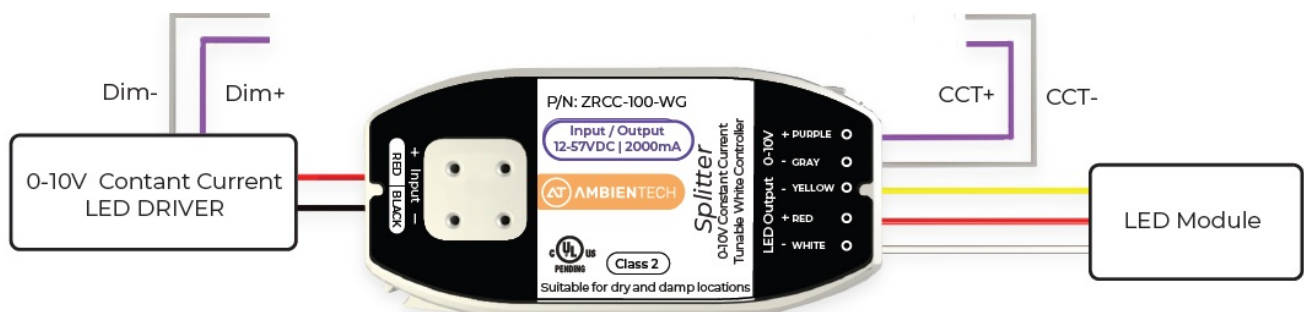
## Splitter

### 0-10V Constant Current Tunable White Controller



The Splitter Class 2 LED controller enables tunable white control with any 0-10V CC LED driver. The controller is installed between constant current LED driver and the tunable white LED load. Using a 0-10V signal, the Splitter offers independent CCT control with no interference with the LED drivers dimming performance. CCT shifting is soft and smooth ensuring compliance with IEEE and Title 24 Flicker Requirements.

## Wiring Diagram



## Features & Benefits

- Transform any 0-10V LED Fixture to Tunable White
- Compatible with any 0-10V Constant Current LED Driver
- Independent 0-10V CCT Control
- Compact Case with Lead Wires for Easy Installation
- Eliminates the need for Stocking Dual-Channel LED Drivers
- Wide Operating Window
- Class 2
- Compliance with IEEE and Title 24 Flicker Requirements
- Go Wireless with Ambien Tech Zero Tone Dual Channel Smart Wall Switch

## Product Specifications

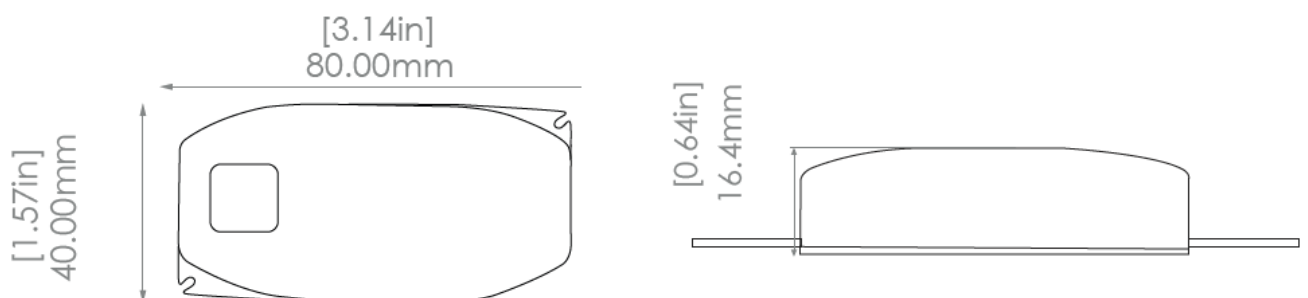
### Electrical Specifications

Input / Output	Max Power	96W (Class 2)
	Voltage Range	12-57VDC
	Max Current	2000mA
Environmental	Ambient Operating Temp	-30 °C – + 40 °C / -86°F – + 104°F
	IP Rating	23

### Control Specifications

Control Protocol	0-10V
CCT Range	0 – 100%
0-10V Range	0-11V
PWM	3000Hz (IEEE Compliant)
CCT Curve	Linear

### Mechanical Specifications

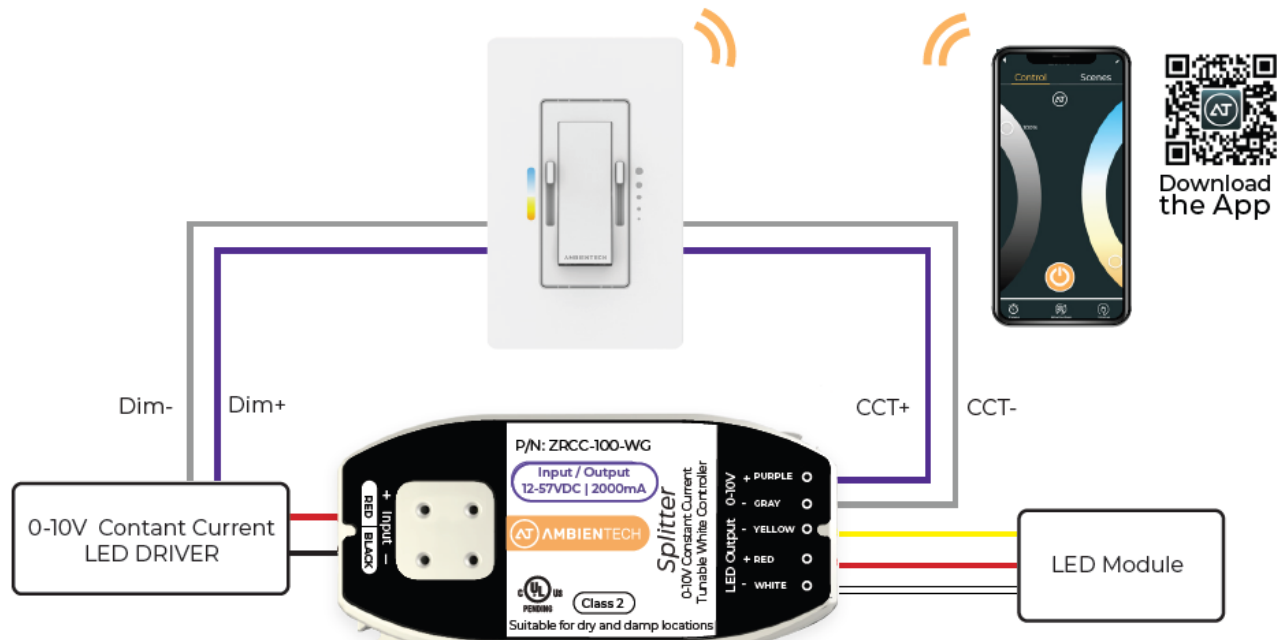


## Wireless Dual Channel Wall Switch

## Optional

### P/N : Descriptions

ZEROX2-NSW	0-10V Dual Channel Wall Switch
ZEROX2-NSW-SA	Wireless 0-10V Dual Channel Wall Switch



### AT Graded App

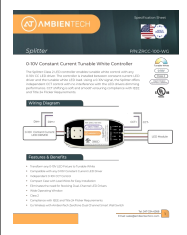


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## Documents / Resources

	<p><a href="#">AMBIENTECH ZRCC-100-WG 0-10V Constant Current Tunable White Controller</a> [pdf] Owner's Manual</p> <p>ZRCC-100-WG 0-10V Constant Current Tunable White Controller, ZRCC-100-WG, 0-10V Constant Current Tunable White Controller, Constant Current Tunable White Controller, Current Tunable White Controller, Tunable White Controller, White Controller, Controller</p>
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## References

-  [AmbienTech | Tunable White Wall Switch | DimTone](#)