



Project Name _____

Catalog No. _____ Date _____

The wiSCAPE® RGBW Constant Voltage and Constant Current Modules are bi-directional, wireless RF 4-channel controllers for LED light sources. The four independent channels can be used for RGBW or any color or white LED combinations. The modules include the wiSCAPE RMI Internal Fixture Module which adds intelligent functions and networkability.

The wiSCAPE RGBW Modules communicate wirelessly over a robust 2.4GHz ISM (Industrial, Scientific and Medical) certified meshed radio signal using military grade AES-128 (Advanced Encryption Standard) security. AES is a powerful encryption method used in many data security applications.

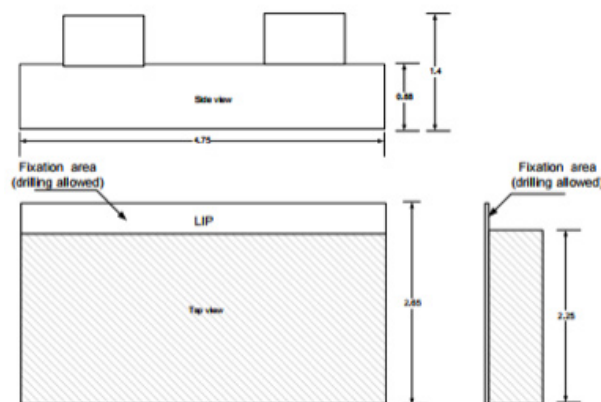
Product Features

- 256 levels per channel with 0 being OFF and 255 full brightness
- 10 stored color presets selectable from a color wheel
- Programmable preset transition times between 1 and 255 seconds
- Real-time manual overrides with adjustable transition time
- Can be programmed to respond to all internal fixture module functions
- Supports generic timers function to create sequences of presets
- Bi-directional, long range wireless RF Mesh communications
- Integration with wiSCAPE software

Compliance and Certification



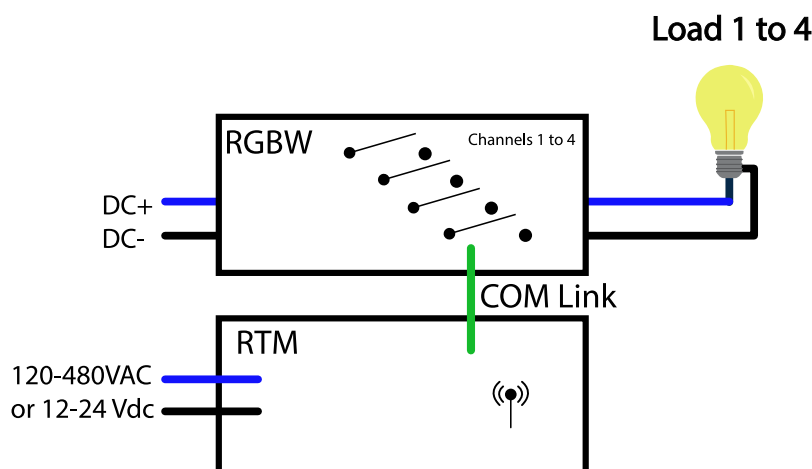
Dimensional Data



Ordering Information

WIR-RGBW	
MODEL	TYPE
WIR-RGBW wiSCAPE™ RGBW Module	CV Constant Voltage, 4 Channel Controller, 2.4GHz, 120-480VAC
	CC Constant Current, 4 Channel Controller, 2.4GHz, 120-480VAC

Wiring Diagrams



General Specifications

Voltage	120-480VAC; 50/60Hz (+/- 10%) Less than 1 watt consumption at 120V
Maximum Load	7 Amps (2 Amps when used at 480VAC)
Output Status Monitoring	Standard feature
Power Monitoring	Amperage – Voltage – Power (better than 2% accuracy), Power Factor, Cumulative Energy – Burn-time counters
0-10V Dimming	For all types of 0-10V drivers and ballasts requiring either to be sunk (up to 5mA) or sourced (20mA standalone or higher w/ext. source)
Constant Voltage Version	Voltage provided by external LED driver: Up to 60VDC Maximum output power: 1A per channel PWM: Flicker free 1KHz switching
Constant Current Version	Voltage provided by external LED driver: Up to 60VDC Maximum output power: 1A per channel Current setting options: 350, 525, 700, 100mA PWM: Flicker free 1KHz switching
Radio Coverage	Up to ~1,000 ft. (~300m) Note: Antenna must be mounted vertically up or down. Range based on clear line of site. Recommended deployment practices: Locate wireless devices within a 300 foot radius of the next wireless device for most reliable performance.
Ambient Temperature Range	-40°F to 167°F (-40°C to +75°C)
Relative Humidity	Up to 99% non-condensing
Certifications	UL: E48166 2.4GHz Version - FCC: U.S. FCC Part 15.247 Class A: OUR-XBEE / OUR-XBEE PRO, Canada IC: 4214A-XBEE / 4214A-XBEE PRO, Europe CE: ETSI / ETSI UL94V-0 Flame retardant ABS or epoxy molding
Warranty	Five-year limited