



# **SECTOR SELECTOR**

## PRODUCT & INSTALLATION **GUIDE**



# TABLE OF CONTENTS

SECTOR SELECTOR .....	3
ACCESSORIES .....	5
ASSEMBLY INSTRUCTIONS.....	6
PROGRAMMING INSTRUCTIONS.....	15

# SECTOR SELECTOR

2022   
NEW PRODUCT  
CONTEST Winner  
Irrigation Association  
GOLD | Landscape Lighting Category



Part Number:  
**BRI-SECTOR-SELECTOR**

## DESCRIPTION

Use the Brilliance Sector Selector to create specific zones that can be controlled independently from a single transformer. The Sector Selector can split a single transformer into four separate zones with up to 200 watts to each zone.

You can use zones to separate lighting schedules and scenarios to create special scenes or layers of light in your landscaping. For example, you can separate the front yard from the back yard, or use zones to independently control lighting for water/architectural features, outdoor kitchens, pool and spa areas, outdoor decks or seating areas, or path and garden lighting.

NEC® Article 411.5 (B): Lighting systems shall be installed not less than 3m (10ft) horizontally from the nearest edge of the water, unless permitted by Article 680.



**FAILURE TO FOLLOW  
INSTRUCTIONS WILL  
VOID WARRANTY**

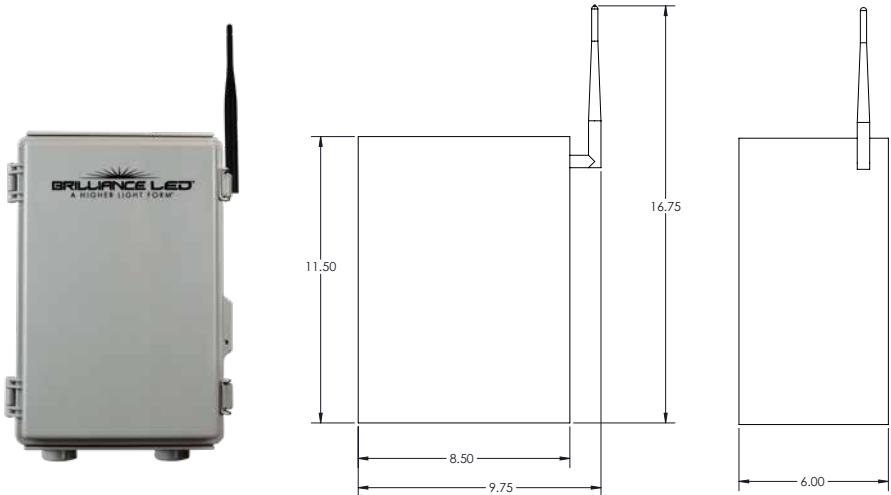
# SECTOR SELECTOR

## FEATURES

- Compatible with any transformer and works on AC/DC
- Create up to four zones on a single transformer, with up to 200 Watts per sector, and manage with the Brilliance Smart App
- Fitted with two 3/4" PVC conduit adapters to accommodate four 12-2 AWG cables
- Installs on the low-voltage side of magnetic transformer
- Includes: Sector Selector Enclosure; (4) Enclosure Mounting Tabs with Screws; (4) Exterior Mounting Anchors with Screws; High Range Antenna; (20) U Connectors; (2) Terminal Covers; Sector Chart; Product and Installation Guide

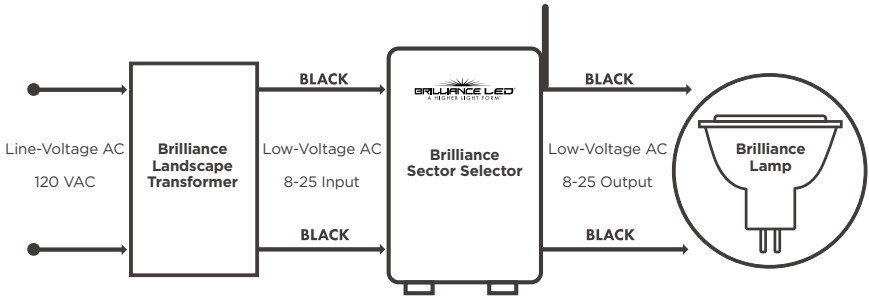
## SECTOR SELECTOR SPECS

Wattage	200 per Sector
Input Voltage	8-25VAC/DC
Capacity	800W
Minimum Load	None
IP	65
Warranty (years)	3





## WIRING DIAGRAM



## INCLUDED ACCESSORIES

(4) Mounting Anchors with Screws



(1) Antenna



(2) Terminal Covers



(4) Mounting Tabs with Screws



(20) U Connectors



**INSTALLATION AND OPERATIONAL REQUIREMENTS:** See the Product Guide for full installation and operational requirements and instructions. Before installing this unit, be sure that the transformer is powered off. The Sector Selector door must be closed and latched during operation. Before installing lamps, ensure the transformer is turned off. Hotplugging lamps may cause electrical overstress.

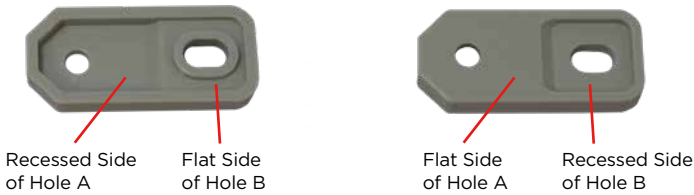
**TECHNICAL REQUIREMENTS:** Must have consistent 2.4 GHz Wi-Fi signal at the installation location with dBm strength of -70 or better. See the Brilliance Smart Products Guide for more information and troubleshooting regarding the Brilliance Smart App.

# ASSEMBLY INSTRUCTIONS

1. Using a Philips screwdriver and the mounting tab screws provided, attach the mounting tabs to each cabinet corner in a horizontal position.

Position the flat side of Hole A against the Sector Selector and secure the screw into the recessed side of Hole A so it is flush with the edge of the cabinet. See Figure A.

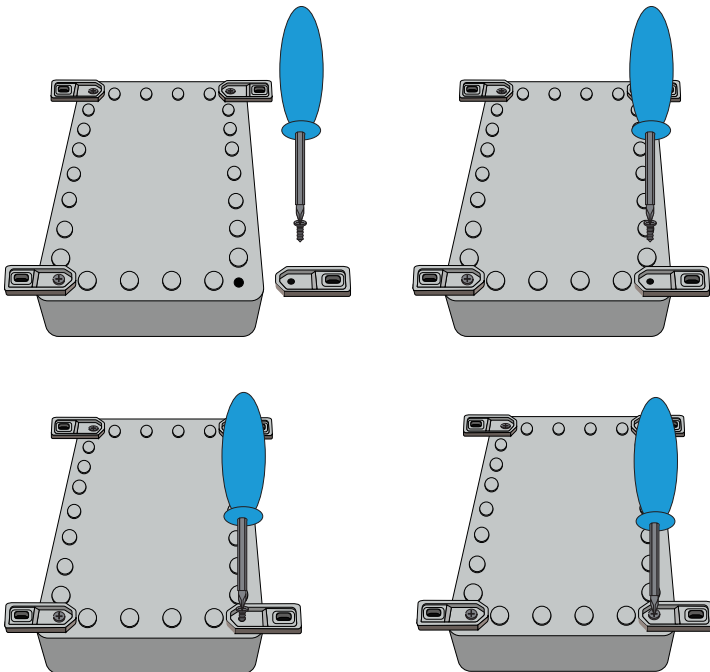
A



The mounting tabs have two holes and two sides.

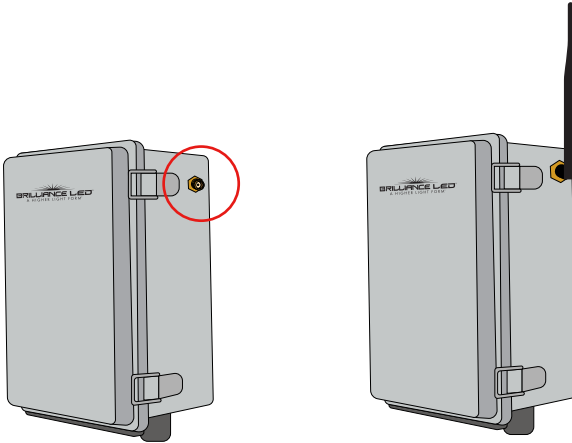
**Hole A** is used to secure the mounting tab to the Sector Selector.

**Hole B** is used to secure the mounting tab and connected Sector Selector to the installation location.

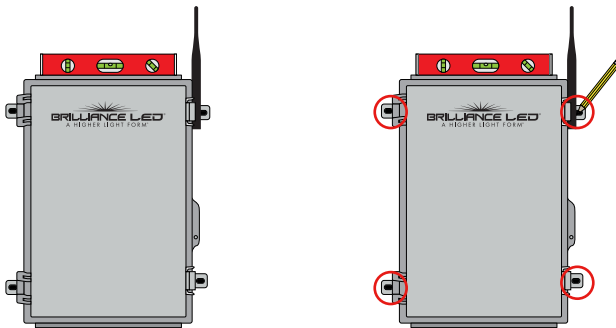


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2. Locate the Antenna Port on the right side of the unit, and thread the antenna onto the port.



3. Use a torpedo level and mark the tab holes on the wall.

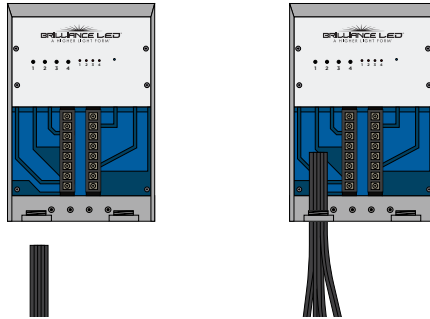


4. Use a 1/4" drill bit for the pilot holes. Use the Mounting Anchors and Screws provided to mount the Sector Selector to the surface.

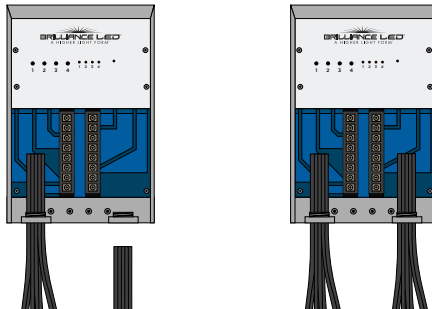
## CONTINUED

**NOTE:** The Brilliance Sector Selector is fitted with 2-3/4" PVC conduit adapters and will accommodate four 12-2 AWG cables.

5. Pull the input cables from the transformer into the left input side of the Brilliance Sector Selector.



6. Pull the output cables into the right output side of the Brilliance Sector Selector.



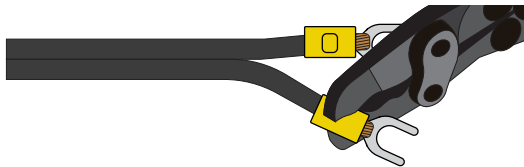
7. Strip each 12-2 cable 1/4 inch.



- 8.** Insert one half of the stripped cable into a yellow U Connector. Use a crimping tool to secure the U Connector onto the stripped cable.

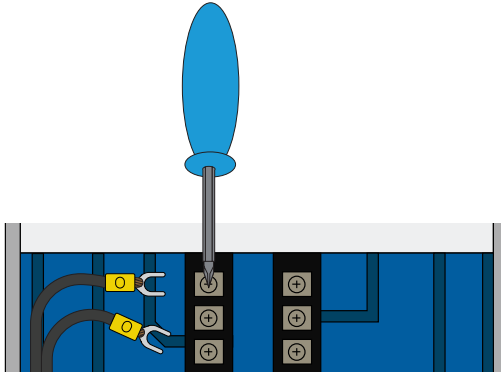


- 9.** Repeat step 8 until all input cables are stripped and have U Connectors. These are known as your sector runs.



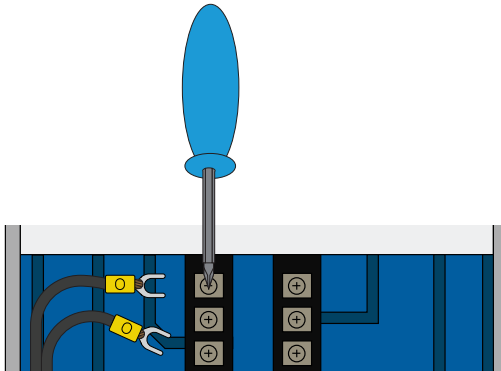
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10. On the left side of the panel, use a Philips Screwdriver to loosen each screw several turns.



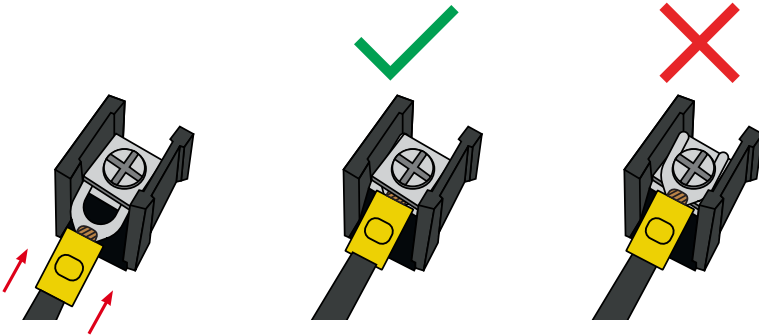
11. Slide the U connectors for Sector 1 sector run under the square washer at the input terminal. See Figures C, D & E.

Tighten each screw firmly but do not over tighten.



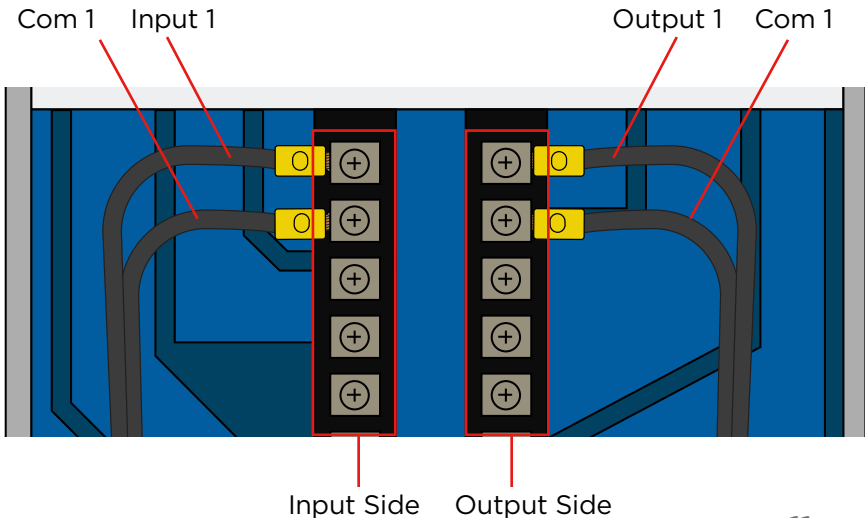
C

Slide the U Connector under the square washer plate on the connection panel of Sector 1 input. The U Connector will not have a secure connection if it is on top of the square washer.

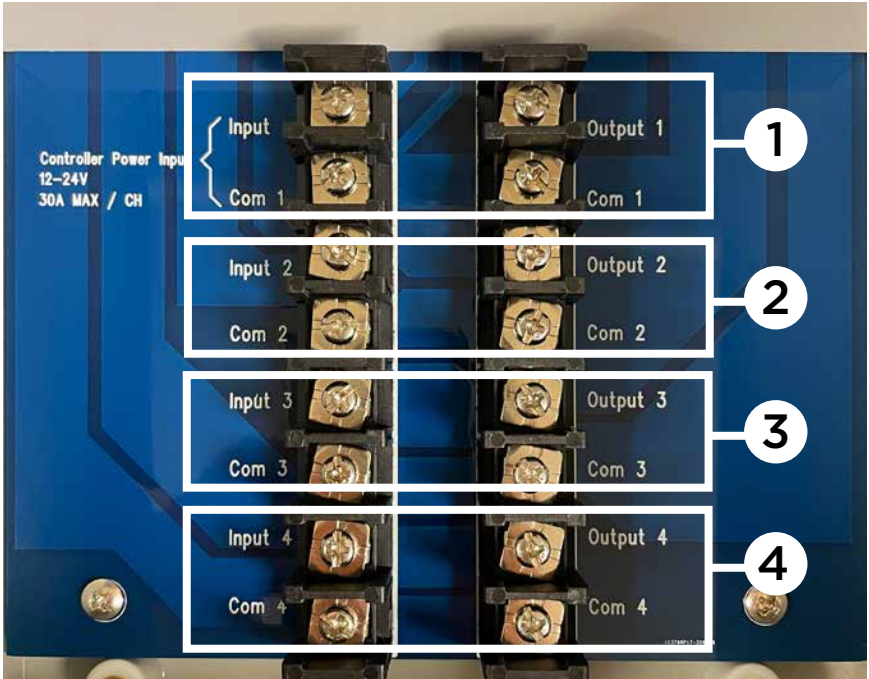


D

Each Sector has two inputs and two outputs. The two inputs must come from the same 12-2 AWG cable and the two outputs must come from the same 12-2 AWG cable.



E



1 Sector 1 Input and Output

2 Sector 2 Input and Output

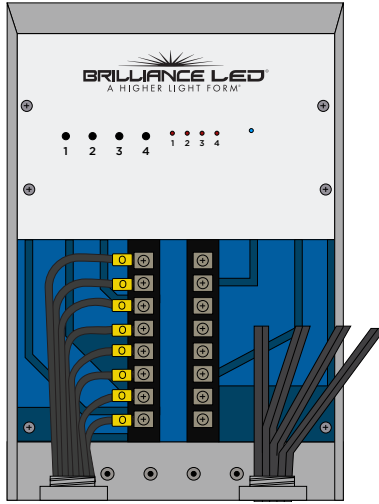
3 Sector 3 Input and Output

4 Sector 4 Input and Output

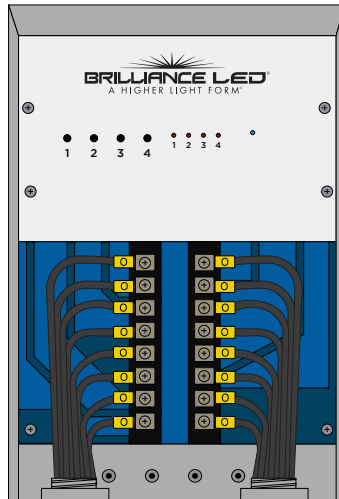
**NOTE:** Power must be supplied to Input 1 (left side) in order for the other sectors to work.



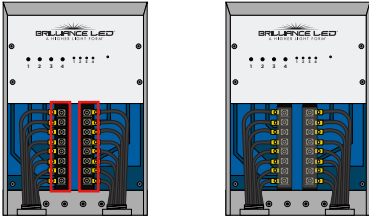
12. Repeat step 11 for all input cables. Make sure all input sector run cables are placed next to the other half of their respective sector.



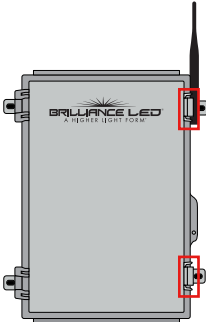
13. Repeat steps 8-12 for all output cables. Make sure all output sector run cables are placed next to the other half of their respective sector.



14. Place the two plastic terminal covers over the connection points.



15. Close the Sector Selector cover using the latches on the side.



Assembly complete.

# PROGRAMMING INSTRUCTIONS

**NOTE:** The Brilliance Sector Selector is designed to be powered by a Low Voltage Landscape Lighting Transformer. The transformer must be powered on 24/7 for the Sector Selector to operate.

To provide power to the Sector Selector, power from the transformer must be supplied to Input #1. This unit will draw 5W on the transformer.

1. Download the Brilliance Smart App from Apple App Store or Google Play. Register for an account for a first time user.



2. Enable Wi-Fi on a 2.4GHz network, make sure Bluetooth is turned on.
3. Turn on the power to the transformer, the blue indicator light will start blinking rapidly.
4. Open the Brilliance Smart App.
5. Press the add button in the upper right corner.
6. Tap Go to add.
7. Enter your Wi-Fi password and press next.
8. The Sector Selector will start to populate and will be added to your devices list

Instructions complete.



[brillianceled.com](http://brillianceled.com) | 800.867.2108  
7202 E Cave Creek Rd, Suite 3A  
PO Box 2281 Carefree, AZ 85377