



SPRINGTREE MEDIA
GROUP, LLC

Springtree Spatial Flat - LED 8" Recessed Ceiling Fixture



USER MANUAL AND
INSTALLATION GUIDE

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Product Information

Description

The Spatial Flat is a breakthrough lighting product that mounts flush into any ceiling with a depth of 4 inches and uses safe and affordable low voltage DC power. Featuring a wide dispersion diffusion filter for smooth and even lighting, the Spatial Flat is the perfect companion to the Spatial Pendant for lower ceilings or where a pendant fixture is not practical. Available in Warm White and RGB-Warm White. Up to four Spatial Flats can be connected to each home run with a maximum of 16 fixtures per DMX600 Power Supply.

Features

- Low profile recessed ceiling mount
- Easy spring tabs for mounting
- Daisy chain 4 fixtures on each zone
- Control 16 fixtures on one DMX600 driver
- 2 operating modes (WW and RGBW)



Safety precautions

- To reduce the risk of electrical shock or fire, do not expose this unit to moisture.
- Be sure that the local power outlet matches that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never plug this unit into a dimmer pack.
- This fixture is intended for indoor use ONLY.
- During long periods of non-use disconnect the unit's main power.
- Always mount this unit in a safe and stable manner.
- Keep this manual for as long as you own this product!

Installation

To install the Spatial Flat:

1. Cut an 8" hole in your desired location.
2. Connect the wires from DMX600 to lights (see example on page 5).

RGBW

For RGBW connect all 5 wires to the DMX600 in this order:

Connector 1	Connector 2	Connector 3	Connector 4
+ = Black	+ = Black	+ = Black	+ = Black
R = Red	R = Red	R = Red	R = Red
G = Green	G = Green	G = Green	G = Green
B = Blue	B = Blue	B = Blue	B = Blue
W = White	W = White	W = White	W = White

* only 4 lights per connection can be daisy chained together (16 total lights per DMX600)

WW

For Warm White connect both wires to the DMX600 in this order:

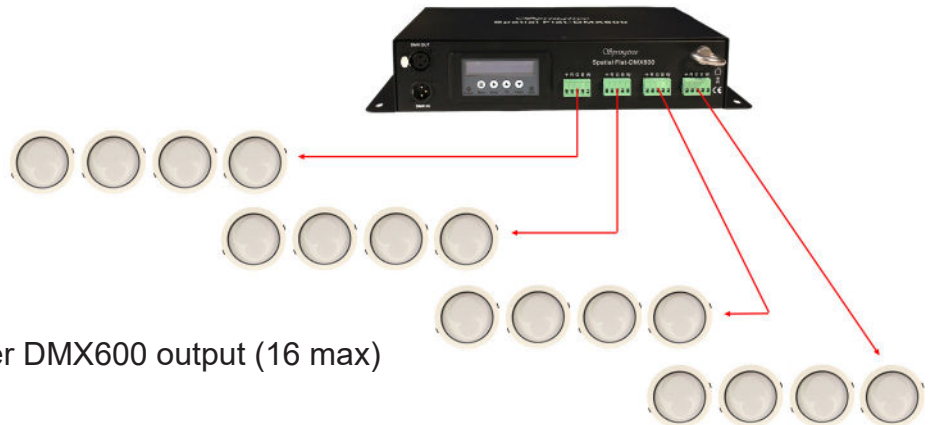
Connector 1	Connector 2	Connector 3	Connector 4
+ = Brown	+ = Brown	+ = Brown	+ = Brown
R = Blue	G = Blue	B = Blue	W = Blue

* only 4 lights per connection can be daisy chained together (16 total lights per DMX600)

** See picture for connection for Warm White.



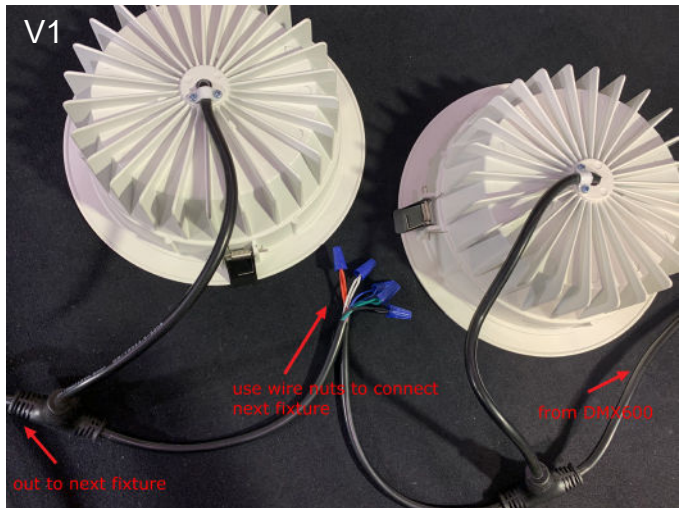
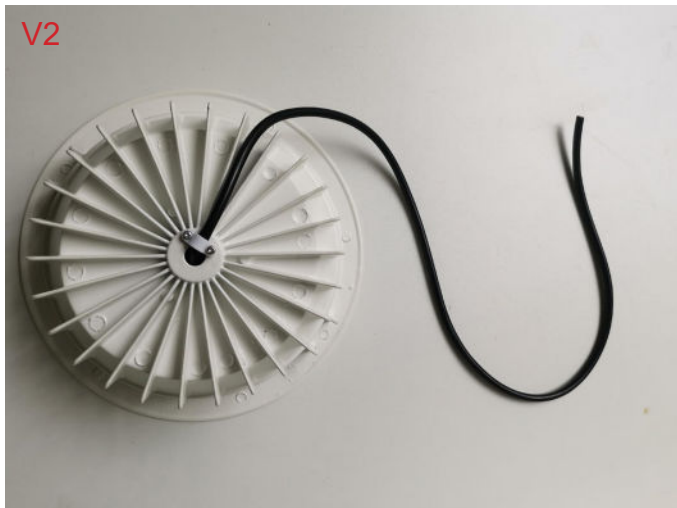
Installation Continued:



3a. Daisy chain 4 Spatial Flats per DMX600 output (16 max)

3b. There are two versions of the spatial flat.
For V2 simply wire nut like color cables to daisy chain 4 fixtures together.

3c. For V1 there are two options. The first is to cut the wire end off before the “Y” split and continue like V2 fixtures. Option 2 is to connect as shown in the picture. Simply wire nut after the “Y” to use as “IN” and “OUT” daisy chaining 4 fixtures together. At the end of each run be sure to cap off the “OUT” with wire nuts to insure there are no shorts at the end of the chain.



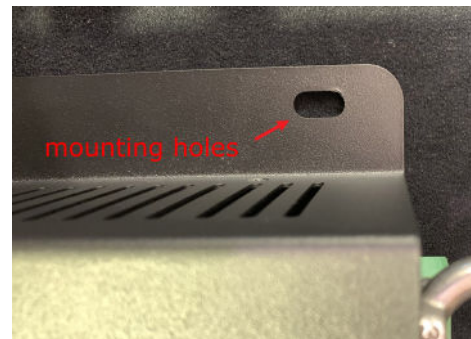
4. Lift the spring tabs and slide the fixture into the hole



To Install the DMX600 driver:

Attach the DMX600 to a flat surface with 4 screws through the side mounting holes provided.

*Be sure to mount in a well ventilated area away from moisture.



Operation

Operating modes

The DMX600 can operate in two modes:

- **Mode 1** - this mode is for use with the Warm White Spatial Flat lights. These lights have only one DMX channel (dimmer).
- **Mode 2** - this mode is MAINLY for use with the RGBW Spatial Flat lights. (*see note for WW ZONE operation) These lights use 5 DMX channels. RED, GREEN, BLUE, WHITE and DIMMER.

***NOTE* Mode 2 - WW ZONE operation.** In addition to RGBW operation Mode 2 can operate as a zone dimmer for WW flats. Connection to the driver is the same as Mode 1 but the driver operates as a 5 channel dimmer. Channel 1 = Zone 1 intensity, Channel 2 = Zone 2 intensity, Channel 3 = Zone 3 intensity, Channel 4 = Zone 4 intensity and Channel 5 = Master Dimmer.

The mode selection is for entire driver. You cannot mix mode 1 and mode 2 on the same driver.

Touch buttons

There are four touch buttons on the front of this unit: MENU, ENTER, UP and DOWN.

*Press **MENU** to choose your DMX mode and address as well as PWM (pulse width modulation) mode. There are 4 PWM modes to choose from. PWM is the rate of current pulses to the LEDs. This affects how the lights appear to dim. Choose the mode that appears to work best with your controller.

Mode 1 (warm white fixture)	
1	White

Mode 2 (rgbw fixture)	
1	Red
2	Green
3	Blue
4	White
5	Dimmer

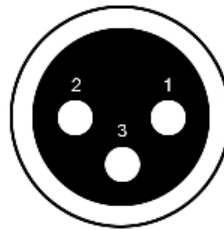
Technical Specifications

Troubleshooting

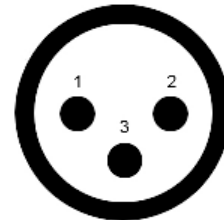
Listed below are a few common problems that you may encounter when using this product:

Unit not responding to DMX:

1. Check that the DMX cables are connected properly and are wired correctly.
2. Check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

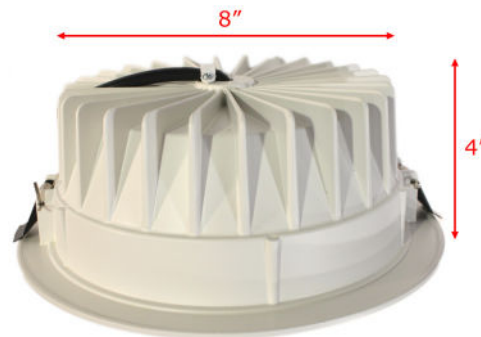


DMX output



DMX input

Dimensions:



Weights:

DMX600: 9.6lbs

Spatial Flat: 1.6lbs

WARRANTY

1st YEAR - Parts and labor. Advanced replacement - First 90 days with shipping covered by Springtree Media.

2nd YEAR - Repair/ Replace Springtree discretion. Return shipping covered by customer.

Contact us

Springtree Media Group would like to thank you for choosing our company for your lighting needs! If you have any questions or concerns, please contact us.

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