

User Manual

LED Spatial Flats



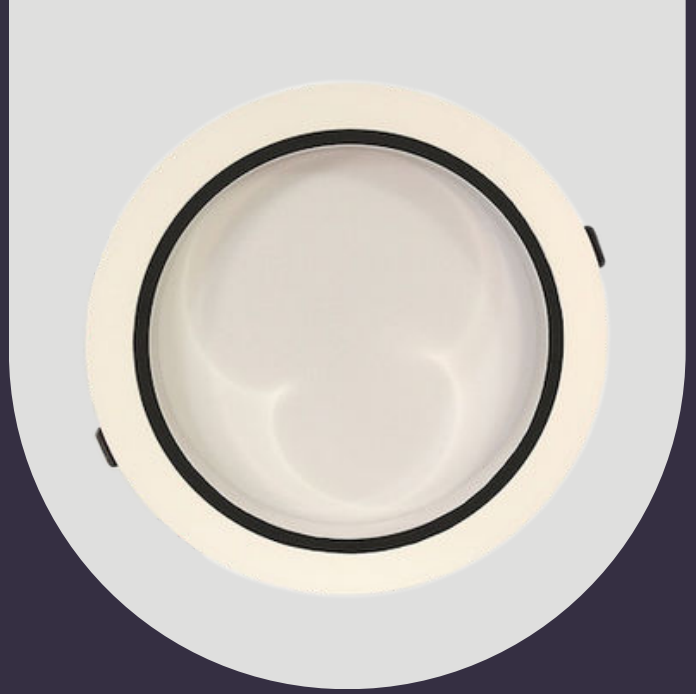
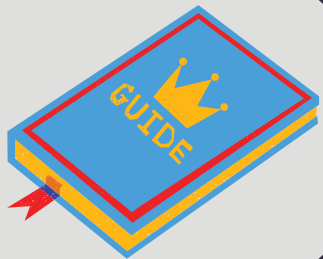


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Resources



Online Installation Guide

- We offer an online installation guide with videos.
- <https://www.springtree.net/how-to-install-spatial-flats/>



Knowledge Base



Knowledge Base

- Frequently Asked Questions
- Helpful Guides & Articles
- <https://www.springtree.net/knowledge-base/>



Description



SKU: SF-RGBWW
SF-WW
SF-50-RGBWW
SF-50-WW

LED Spatial Flats

Spatial Flats are low-voltage recessed LED fixtures that are DMX controllable via a power driver. They feature a wide dispersion diffusion filter for a smooth and even output.

Spatial Flats are part of Springtree's Lo-Vo architectural lighting series, and require the use of a Lo-Vo power driver for power and control.

Options

- 30Watts RGBWW LED
- 30Watts Warm White LED
- 50Watts RGBWW LED
- 50Watts Warm White LED

Key Features

- Low Profile
- Cool To The Touch
- DMX Controllable
- Easy To Install
- Low-Voltage
- Fixtures Are Completely Silent
- Spring Tabs For Mounting
- Smooth 0-100% DMX Dimming

Specifications

50Watt Version

Warm White Optical

- Light Source: 50Watt WW LED
- Lumens: 3,000
- Color Temperature: 3000K
- Beam Angle: 100°

RGBWW Optical

- Light Source: 50Watt RGBWW LED
- Color Temperature: 5500K when all LEDs are at 100%
- Lumens: 2,150
- Beam Angle: 100°

Included

- 1x Spatial Flat
- 1x Power Whip (Attached)

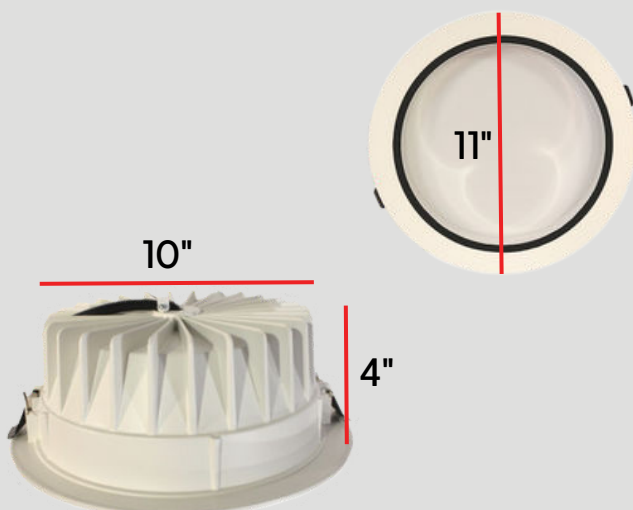
Dimension and Weight

- 11" x 4"
- 3 lbs

Required Cable

- 18/5 Cable for both WW and RGBWW (18 is the gauge, and five is how many wires are in the jacket)

*We use 18/6 wire (one extra wire) because it is affordable and in a pull box.



30Watt Version

Warm White Optical

- Light Source: 30Watt WW LED
- Lumens: 1800
- Color Temperature: 3000K
- Beam Angle: 100°

RGBWW Optical

- Light Source: 30Watt RGBWW LED
- Color Temperature: 5500K when all LEDs are at 100%
- Lumens: 1,260
- Beam Angle: 100°

Included

- 1x Spatial Flat
- 1x Power Whip (Attached)

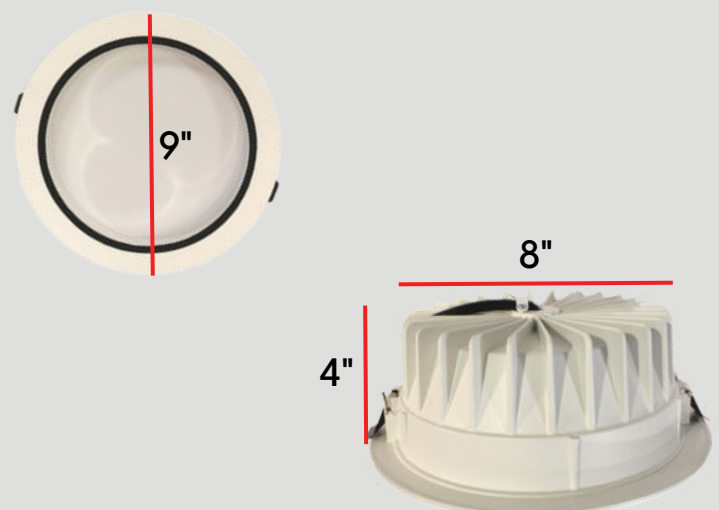
Dimension and Weight

- 8" x 4"
- 1.6 lbs

Required Cable

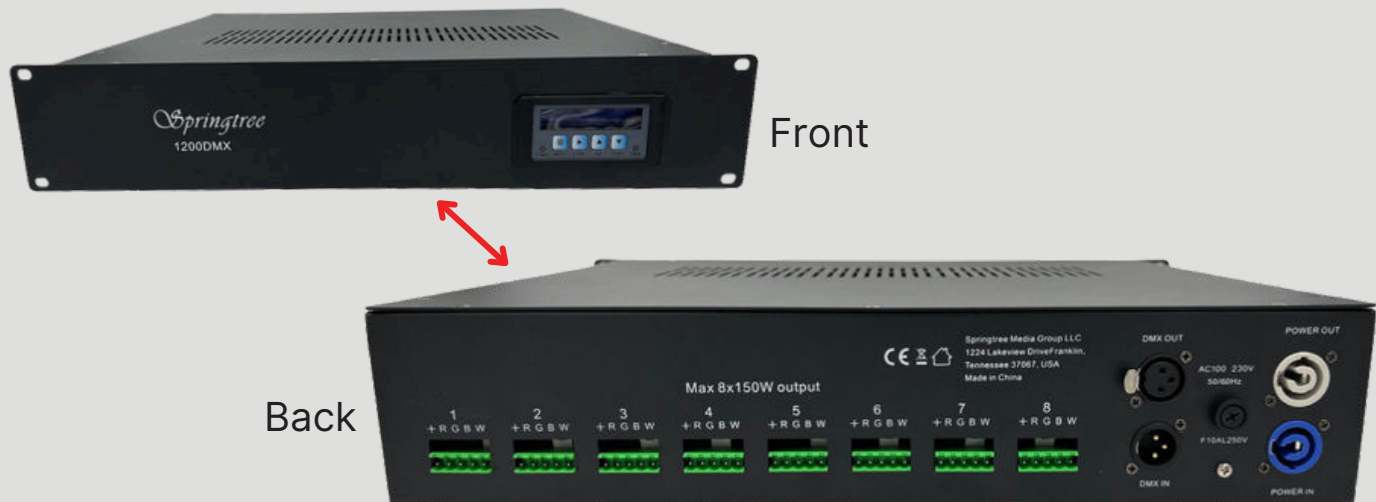
- 18/2 Cable for Warm White
- 18/5 Cable for RGBWW* (18 is the gauge, and five is how many wires are in the jacket)

*We use 18/6 wire (one extra wire) because it is affordable and in a pull box.



Power Drivers

Spatial Flats are powered and controlled via a Lo-Vo Power Driver, of which there are four options.



Features

- Connects To Spatial Flats Via Inexpensive Low-Voltage Cable
- DMX Is Run Only To The Power Driver, Not To Every Fixture
- Split Your Fixtures Into Multiple Controllable Zones
- You can intermix different Lo-Vo fixtures on the same driver
- White and RGBW modes
- Local control
- Color macros

Spatial Flats Powered

Power Driver	DMX150	DMX602X	DMX1202X	DMX1802X
Amount of 30Watt Spatial Flats Powered	4	16	32	48
Amount of 50Watt Spatial Flats Powered	2	8	16	24



[Scan to learn more about Power Drivers]

Installation

Install Guide



We offer a full installation guide with videos on our site. Scan this QR code or go to <https://www.springtree.net/how-to-install-spatial-flats/> to view it.

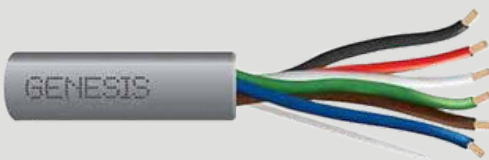
Recommendations

	30Watt	50Watt
Recommended Height	7' -14'	8'-20'
Recommended Spacing	6'-8' Centers	6'-8' Centers
Fixture Diameter	8"	10"

Steps

1. Cut an 8" hole in your ceiling for 30Watt Spatial Flats and a 10" hole for 50Watt Spatial Flats.
2. Make your cable runs from your Power Driver to the holes you have cut.
3. Wire up and daisy chain your fixtures together. (See next page for instructions)
4. Lift the spring tabs and slide the fixture into the hole you cut.
5. Connect wire to your Power Driver via included phoenix connectors. (Reference your Power Driver manuals or the install guide for specifics.)

Wire Used



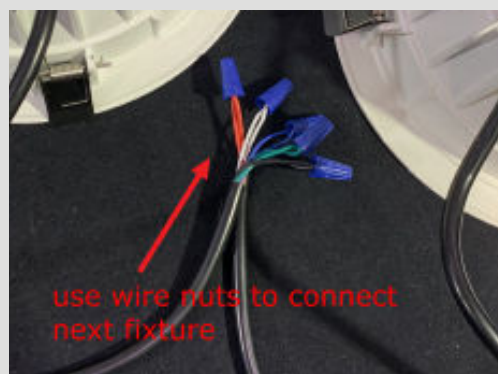
50Watt Warm White Spatial Flats and all RGBWW Spatial Flats use 18/5 low voltage cable.
30Watt Warm White Spatial Flats use 18/2 low voltage cable.

*Note: We use 18/6 cable because it's affordable and easier to source. We simply cut off the brown cable on each end.

Installation Continued

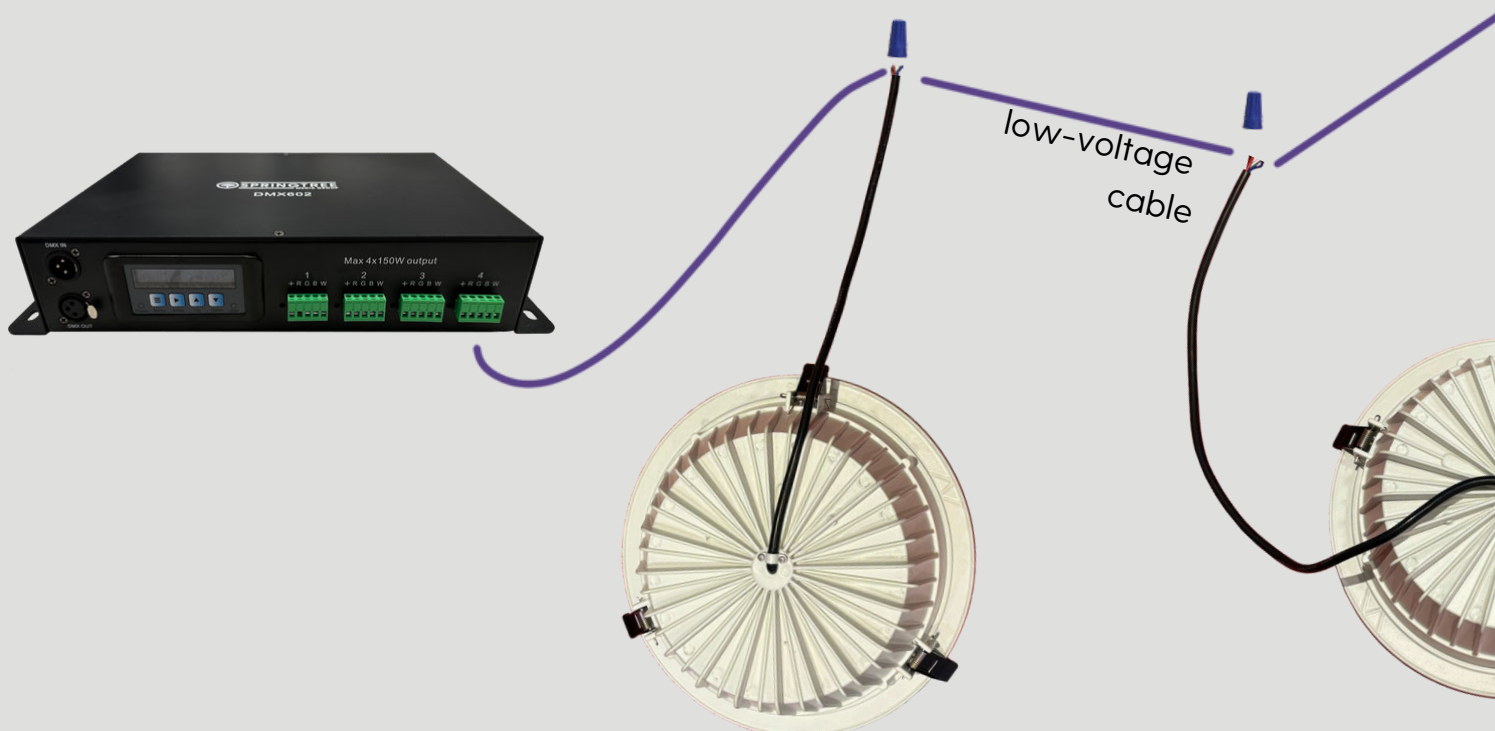
Spatial Flats feature a built-in whip for connecting to the Power Driver and other Spatial Flats. Each Power Driver port can power up to four 30Watt Spatial Flats or two 50Watt Spatial Flats, allowing you to daisy chain up to four 30Watt or two 50Watt Spatial Flats together using wire nuts. (see diagram below)

- Do not wire while hot.
- Keep wiring consistent.
- Connect like colors for RGBWW and 50-Watt WW.
- Ensure there are no bare wires hanging out that could cause a short.



How To Daisy Chain Fixtures Together

- Use a wire stripper to remove about 1/2 inch of insulation from the ends of the wires you want to connect.
- Align the exposed ends of the wires you are connecting together and twist in a clockwise direction. Ensure the connection is tight and secure.
- Place the twisted wires into the wire nut and twist clockwise until it is tight.
- Each RGBWW and 50Watt connection requires five wire nuts, while a 30Watt Warm White connection uses two.



Safety.

- To reduce the risk of electrical shock or fire, do not expose this unit to moisture.
- Disconnect from the main power before making any type of connection.
- Never plug this unit into a dimmer pack.
- This fixture is intended for indoor use ONLY.

We Are Here For You!

Springtree is all about simplifying the AV process. A big part of that is being available to answer your questions. Give us a call or fill out a contact form. We are here to help!

Contact Us



 springtree.net/contact-us/

 615-599-1505



[Contact Form]