

# User Manual

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LED Spatial Pendant





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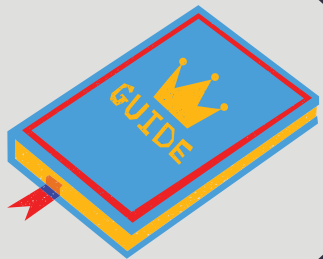
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# Resources



## Online Installation Guide

- We offer an online installation guide with video.
- <https://www.springtree.net/led-spatial-pendants-installation-guide/>



## Knowledge Base

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



# Description



SKU: SP-RGBWW  
SP-WW

## LED Spatial Pendants

The Springtree LED Spatial Pendant is an 80°, 120Watt COB LED House Lighting Fixture. They are powerfully bright, with even coverage that blends smoothly together in multiples.

### Options

- RGBWW LED COB Engine
- Warm White LED COB Engine

### Key Features

- Double-fan cooling system
- 80° Beam Angle
- Open Barrel design for hiding cable ends
- DMX via Phoenix Connector allows you to use a spool of DMX cable for exact cable runs
- 3-pin DMX (Input only)
- Built-in 5v mini connector for powering an optional Springtree Wireless DMX System
- Fan enters sleep mode when LED is off for 1 hour

# Specifications

## RGBWW Optical

- Light Source: 120Watt RGBWW COB LED
- Color Temperature: 6000K when all LEDs are at 100%
- Lumens: 3973
- Beam Angle: 80°

## Warm White Optical

- Light Source: 120Watt WW COB LED
- Color Temperature: 3200K
- Lumens: 9010
- Beam Angle: 80°

## Power

- Requires 14/3 SO Cable (not included) with locking power connectors (included).
- 8 fixtures can be daisy-chained together.
- Up to 13 fixtures can be on one 20amp circuit.

## Operating Mode

- RGBWW: 7 Channel
- Warm White: 2 Channel

## Connections

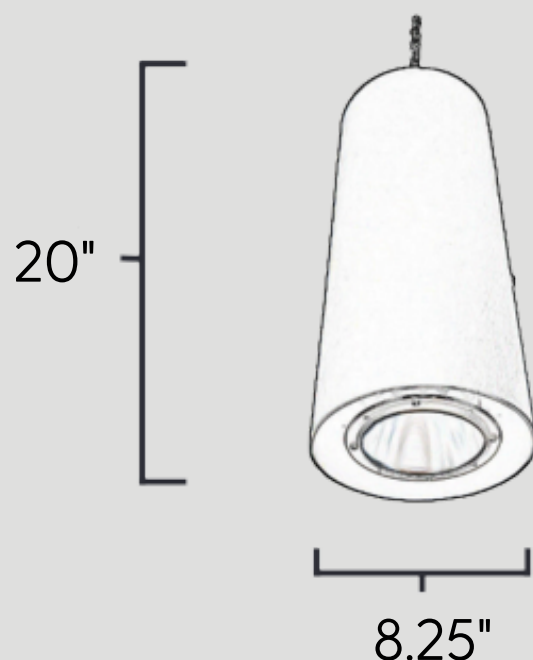
- 3 screw phoenix terminal for DMX In/Out
- 3-pin DMX (3-pin DMX is only for DMX In)
- Linking Power In/Out
- DC5V for Springtree Wireless DMX

## Included

- 1x Blue Locking Power Connector
- 1x White Locking Power Connector
- Phoenix Connector

## Dimension and Weight

- Dimensions: 8.25" x 20"
- Weight: 8.4lbs



# Installation

The Spatial Pendant has a bracket inside the cylinder with a 3/8" hole for hanging by a single eye bolt and chain or threaded rod (not included). Power is to be connected using a 14/3 SO cable (not included) and locking power connectors (included). Power can be daisy-chained from fixture to fixture, up to 8 fixtures. Do not exceed 13 fixtures on one 20-amp circuit.

When the fixture is powered on without DMX, the LED turns on at 100% with no options for manual control.

## **Mounting**

This fixture is designed to hang downward by chain or threaded rod. Before deciding on a location, make sure that the structure onto which you are mounting this product can support its weight. Please refer to the Technical Specifications section of this manual for weight information.

# Safety.

- To reduce the risk of electrical shock or fire, do not expose this unit to moisture.
- Ensure that the local power outlet matches the required voltage for your unit.
- Do not attempt to operate this unit if the power cord is frayed or broken. Also, 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 the 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.
- Always ensure to mount this unit in an area that allows proper ventilation. Allow about 6" (15cm) between this device and a wall.
- This fixture is intended for indoor use ONLY.
- During long periods of non-use, disconnect the unit from the main power.
- Always mount this unit in a safe and stable manner.

# Connecting DMX

Phoenix  
Connector



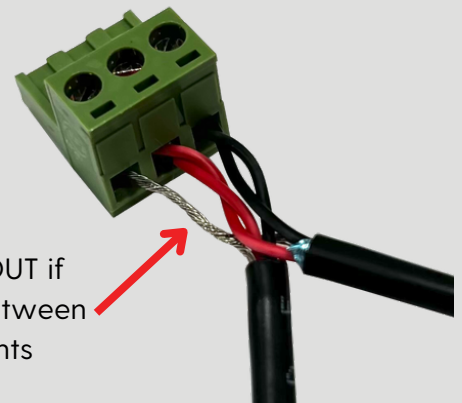
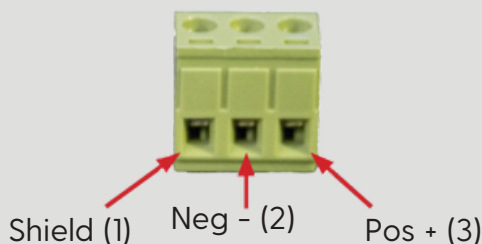
3-Pin Input

5v power output

There are two ways to connect your Spatial Pendants to DMX: via a 3-pin input or a phoenix connector. Both ways use a 3-pin DMX cable. There is a 3-pin input but not an output, so you must use the phoenix connector if you want to link the DMX of multiple fixtures together.

## Phoenix Connector

Phoenix connectors are screw terminal connectors and are a convenient way to connect and disconnect wires without soldering.



How to wire DMX IN/OUT if daisy chaining DMX between multiple Spatial Pendants

## Wireless DMX



For your convenience, each Spatial Pendant features a 5v power adapter for easy use with the optional Springtree Wireless DMX System.

## Addressing DMX

To set the DMX Address, simply press the up and down arrows. A quick press on an arrow adjusts the number by one. To advance through numbers quickly, hold down the arrow. Once you've set your desired DMX address, press "enter" to save the address. (If you don't press "enter" and the fixture loses power, the DMX value will always revert to its default address of A001).

# DMX Traits

## RGBWW

CH1	Red	Red Intensity	0~255
CH2	Green	Green Intensity	0~255
CH3	Blue	Blue Intensity	0~255
CH4	Warm White	White Intensity	0~255
CH5	Master Dimmer	Dimmer	0~255
CH6	Strobe	Slow to Fast	0~255
CH7	Macro	See Chart Below	0~255

## Warm White

CH1	Dimmer	0~255
CH2	Strobe Slow to Fast	0~255

## RGBWW Macro Functions

0-10	Nothing
10-129	Cycle through colors, increasing speed
130-249	Cycle through colors with fade in / fade out, increasing speed
250-255	Nothing



# 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/](https://springtree.net/contact-us/)



615-599-1505



[Contact Form]