

# Avici F8 Integrated LED Lighting System

Owner's Manual March 16, 2023

Congratulations on your new Avici F8. The Avici F8 combines an array of Osram LEDs with our custom-designed drivers for one amazing, programmable spectrum, computer-controlled grow lighting system.

This manual will tell you how to hang, connect and operate your new F8.



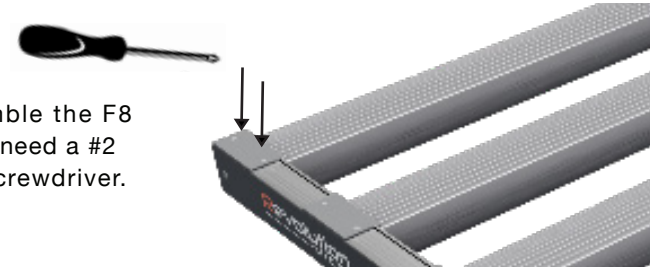
## The Box Contains

- Avici F8 Integrated LED Lighting System
- Power Cords
- Custom Lighting Hangers

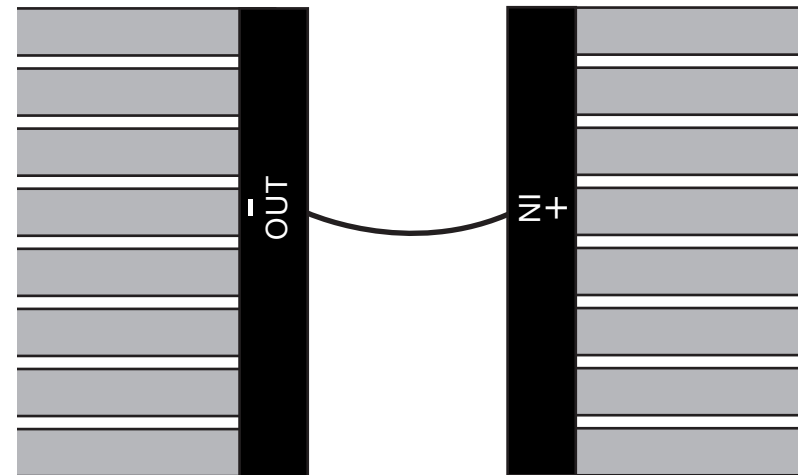
# Installing The F8

1. Put each bar into the socket on the endcap, and screw the light in place with the provided screws.

To assemble the F8 you will need a #2 Philips screwdriver.



2. The fixtures need to be arranged in the following pattern so the power flows through one light to the next. The ends of the light are labeled either IN or OUT, and should be hung with consideration for how it will be wired.



# Installing The F8 Continued

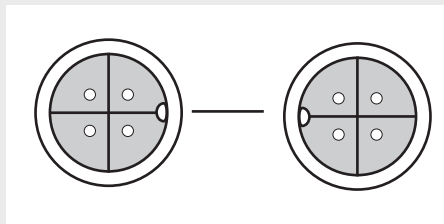
3. Attach the top of the wire rack to the location within racking system or ceiling, and the ends to the mounting holes shown below.



## Powering Up

1. Remove the protective cap from the power socket.
2. Ensure you can plug the lights in with the IN - OUT pattern described in the previous section.

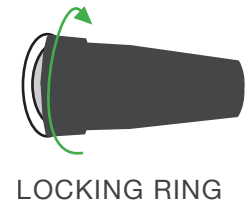
3. Align the sections on the socket with those on the power cable. They'll only fit together one way.



4. Push the cable into the socket until it won't go any further.



5. Rotate the locking ring until it begins to thread onto the socket. Continue to push the plug into the socket until it is firmly plugged in, and tighten the locking ring.

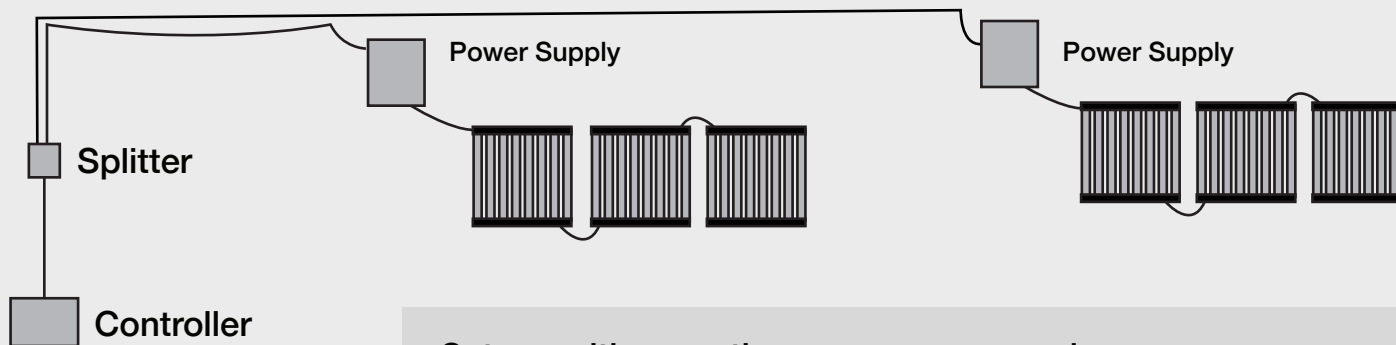
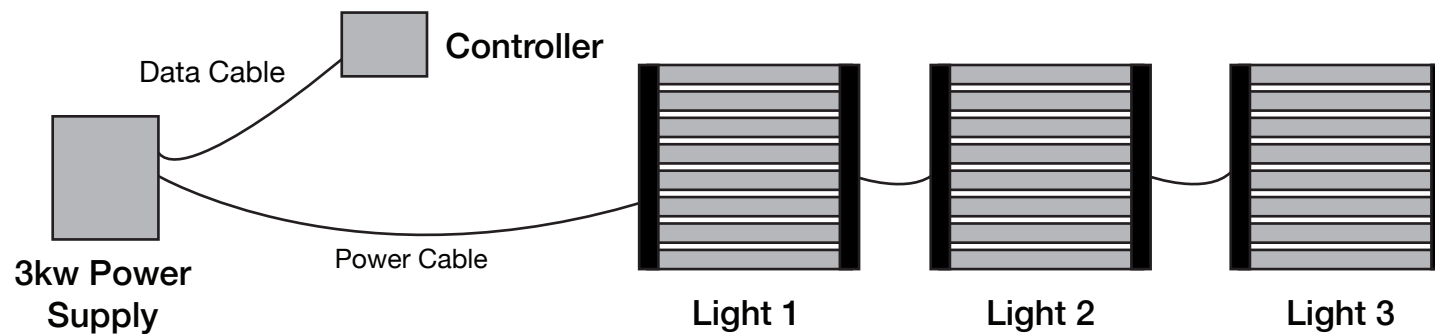


6. Connect the power cable from the light, and the data cable from the RLC1 to the power supply.
7. Please see RLC-1 Manual for Communications Instructions.

# Power Supply and Wiring Guide

## 4. Wire the lights to the provided power supply.

You can have up to 3 Avici F8 on one 3kw power supply. A 9kw power supply will have three such outputs, for a total of 9 Avici F8. Wire the controller to the power supply with the provided data cable.



### Setups with more than one power supply:

Your controller will come with a splitter, which will allow you to wire data to each power supply. This is less expensive and much simpler than wiring every single light.

# Blinking LEDs

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## What Your Avici Is Telling You

### Blinks Once A Second – Over Temperature

If the Avici internal heatsink reaches a programmed over temperature point, it's way too hot and it will shut off with the OFF LED blinking on and off once a second. Once the internal temperature cools to 10 degrees below the over temp point, the Avici will automatically restart.

### Blinks Four Times A Second – Over Voltage / Under Voltage

If supplied power is outside safe operating range for the Avici, the LED will flash quickly to let you know the fixture is working but not going to come on.

If the status LED is flashing quickly you can either remove and reapply power, but best to check the electrical supply first. Incorrect supply voltage can destroy the fixture. Avici normal voltage range is 100v-300v and must be stable for 10 seconds to power up.

### Flickers Briefly Once a Second – External Control

The RLC1 and TouchMi Room Controller can control 512 Revolution lights in two zones. You can set on and off times, sunrise and sunset ramps, dimming with temperature and over temperature shutdown for each zone for lights that support these commands. Avici also accepts commands for color mixing for custom spectra. Please see the RLC1 and TouchMi manuals for details on controlling the output spectrum.

When the provided RJ-14 phone cable is plugged into the Avici and a Revolution controller, the front panel LED will blink off, very briefly, once a second to show you that Avici is controlled by an outside source and that communication is up and running.

If the cable becomes disconnected, Avici will maintain chosen power level and spectrum – just as you would expect. After a power failure, Avici returns to full power and spectrum if not commanded otherwise by a controller.

**We're Here to Help.**

We'd be happy to answer any questions or help you through the installation.

Call us: 404 - 334 - 9788