








To ensure long life and reliability from your SL70 Bars please adhere to the following guidelines

-  The SL70 components are designed to IP67 and are suitable for use in installations where sprinklers are used, however DO NOT SUBMERGE COMPONENTS.
-  Driver units are designed to IP65 however the standard mains AC plug is not. Do not expose the mains plug to wet or damp conditions. If the driver needs to operate in a damp or wet location it must be installed with an IP65 junction box by a suitably qualified electrician.
-  Avoid touching the LED lens membrane. If cleaning is required use IPA or warm soapy water with a lint free cloth to gently wipe the membrane. Do not use volatile solvents of any kind.
-  The SL70 bars are designed to be used in tandem. Single bar operation is not recommended however, If operation of a single bar is absolutely necessary then it must be run with the output dimmer set at approximately 50%.
-  Never operate the units face down or laying directly on any surface. The mounts, attached to a suitable supporting structure, must be used at all times the bars are employed in any installation permutation other than direct suspension.
-  Always maintain a minimum clearance of 50mm between the LED light emitting surface and any other surface.
-  Before unplugging any part of the system disconnect driver from mains supply. It is recommended to disconnect each module prior to repositioning to avoid damaging cable entries.

#### Basic Specifications

Input	180 - 240 Vac	0.12 - 0.2 A	47 - 63 Hz
Output	36.0 Vdc	900mA	32.5 W
Maximum Suspended Weight			1.00kg
Normal Operating Temperature			-30°C to +40°C Ambient

#### Photometric Specifications

The SL70 Bars are available in 3 different photometric spectrums. For specific PPF and wavelength details please log on to our website.

A coloured dot at the centre of the Spectrah Eye Logo on each bar identifies its output:

- No Dot - 12.5% Blue
- Red Dot - 2.5% Blue
- Yellow Dot - 25% Blue



#### Warranty

The LED and Driver modules are provided with a warranty of five years against manufacturing defects or failure to perform to specifications provided that, installation has been carried out in accordance with these instructions and said components have not been subjected to incorrect operation or maintenance, unauthorised disassembly or modification or any other damage arising from an intervening cause. Refer to full warranty document on website for more detail.

[www.spectrah.com.au/fusion/warranty](http://www.spectrah.com.au/fusion/warranty)

Designed and built in Australia to relevant AS/NZ general requirements and tests



**FUSION**  
**SL 70 bar**

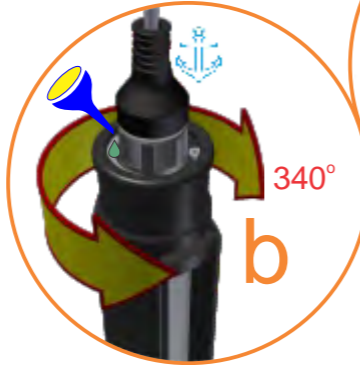
## Installation and operation Instructions

Thank you for purchasing the Spectrah SL70 LED Supplementary Horticulture Lighting System. To achieve the best performance from your SL70, please follow the recommendations and guidelines published in this document.



### Standard Kit Contents

Correctly align plug pins before insertion










### Typical Mounting Scenarios

The SL70 Bar has been designed as a side, intra-canopy, and upward supplemental lighting source in dense top lit environments. Provided the general Do's and Don'ts are adhered to, its flexibility affords multiple installation permutations. Some simple examples are illustrated.

### Getting Started

Choose a layout appropriate to your requirements and assemble the SL 70 making reference to the appropriate detailed illustration balloons. The basic suspension installation is described to illustrate the interconnection procedure.

-  Using a cable tie or similar, attach the Stainless Steel snap hook to a suitable supporting member and install the Hanger and Cable Guide assemblies. Route the assembly as dictated by enclosure constraints
-  **a** Install an SL70 Module by correctly aligning the plug pins, inserting the plug, and tightening the grey retaining cap until resistance is felt against the 'O' ring seal. Avoid over tightening the cap.
-  Unscrew the dust cap on the lower end of the module, identify the appropriate end of the Module Interconnect cable, correctly align plug pins, insert and tighten Grey retaining cap as before.
-  **a** Install the second SL70 Module using same procedure as the first.
-  Adjust suspension height by loosening cable clamping knob, feed or pull the cable through the device until desired suspension height is achieved. Re-clamp the cable and avoid over tightening the knob.
-  **b** Allow the assembly to hang freely. When the lay of the suspension wire has settled and the modules stop rotating, beam direction can be adjusted by gripping plug firmly and rotating module body to the desired beam angle. 170° rotation either side of the internal mechanical stop is available. Adjust upper module first and repeat for lower module. The assembly will now hang freely at the set angle. NOTE; rotation may be stiff if the internal seal has become dry with time. A few drops of WD40 or Silicone spray where indicated will rectify the problem.
-  Connect the driver by correctly aligning the plug pins, inserting the plug, and tightening the grey retaining cap until resistance is felt against the 'O' ring seal. Avoid over tightening the cap. Plug the driver into a suitable AC mains socket and turn on. Illumination intensity can be controlled by the PPFD dimmer knob. Rotate clockwise to increase illumination and anti-clockwise to decrease. Illumination may be dimmed to 'OFF'

Drivers equipped with the CASAMBI BlueTooth option can be controlled by firstly downloading the Smartphone App from [www.casambi.com](http://www.casambi.com) Once installed, and with your driver plugged in, your Smartphone will recognise the device. You can now follow the prompts to pair your device and take advantage of all the smart functions the Casambi software has to offer. NOTE; Casambi equipped drivers do not have a manual dimming knob

