



## AC/DE FUSION™ FIXTURE Technical Information Guide

### IMPORTANT PRODUCT INFORMATION READ IMMEDIATELY

**KEEP ORIGINAL PACKAGING – ALL RETURNS NEED TO BE IN THE ORIGINAL PACKAGING IN ORDER TO AVOID PRODUCT DAMAGE DURING SHIPPING. ANY DAMAGE TO PRODUCTS NOT IN THEIR ORIGINAL PACKAGING WILL NOT BE COVERED UNDER WARRANTY.**

### SAFETY FIRST!

FAILURE TO OBSERVE THE FOLLOWING SAFETY WARNINGS MAY RESULT IN SERIOUS INJURY. IN ADDITION, FAILURE TO OBSERVE THESE SAFETY WARNINGS WILL RESULT IN A WAIVER OF ALL LIABILITIES ON SUNLIGHT SUPPLY®, INC. AND WILL VOID ALL WARRANTIES.

### WARNING:

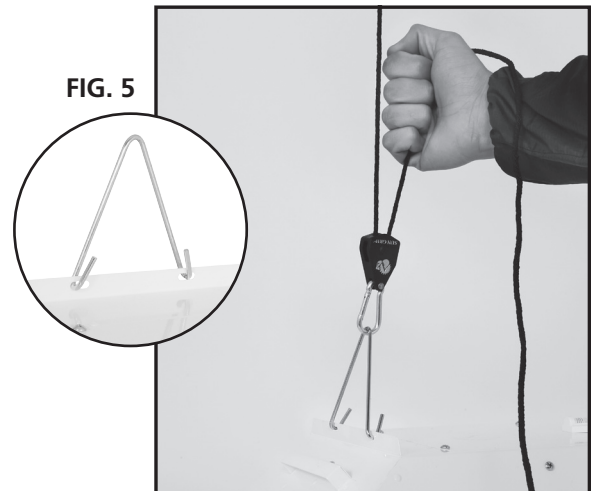
- Disconnect power before re-lamping.
- When re-lamping, make sure lamp has time to cool before touching.
- Make sure power cord is connected properly.
- This unit must be actively air cooled at all times while the lamp is running.
- Do NOT hang by power cord.
- Do NOT make contact with the interior of the socket while the unit is powered.
- Do NOT operate the light systems in wet locations.
- DO NOT plug this system into a supply voltage other than what is instructed on the ballast.
- DO NOT attempt to open, rewire or reconfigure any components of the light system. It will void the warranty and could cause serious injury or death.
- These products operate at very high temperatures. Do not place anything on top of your reflector. Keep away from children.
- Read all warnings and instructions that come with your lamp

### AC/DE FUSION SETUP:

#### (SUN SYSTEM® AC/DE FUSION)

1. Remove the system from the box along with all additional parts.
2. These systems do not require much setup.
3. Carefully install the double ended HPS lamp in the center cavity of the reflector.  
A separate instruction sheet detailing DE amp installation is included with this fixture, please read it carefully before installing the double ended lamp.
4. Attach the Included 20ft power cord to the power receptacle on your unit.  
This can be done after hanging the unit if that is easier for you.
5. Hang the fixture using the V-hangers provided (fig.5).
6. Air cooling is required when running this system. Attach 8 inch ducting to your unit using either hose clamps or zip ties. Specifics will vary from setup to setup but generally one 8' inline fan between 660CFM and 750CFM will cool up to 3 units.
7. Set the switch on your unit to the wattage you would like to run your unit on.  
This unit can power your DE lamp at 600, 750, 1000, or 1100 Watts.
8. Plug the unit into the proper NEMA configured receptacle.

FIG. 5



**This fixture must be air cooled while the lamp is powered on. If the unit is not properly air cooled the ballast will dim to 60% power once the ballast temperature reaches 80°C (185°F). If the ballast reaches 90°C (194°F) the unit will power off and will not power back on until the next light cycle.**

### BULB INFORMATION:

#### PROPER BULB CARE:

Always unplug your ballast and allow your lamp to cool before changing out your lamp. Lamps should be changed out after 20,000 hours to maintain maximum lumen output. Running a lamp beyond its expected life is not recommended and can cause lamp failure as well as a shift in the color spectrum.

**Returning Units: Please contact your retail store for returns.**

## **TROUBLESHOOTING... IF YOUR FIXTURE DOES NOT WORK:**

1. **CHECK YOUR ELECTRICAL SOURCE:** Make sure the unit is plugged in properly and that the breaker is not tripped or fuse blown.
2. **CHECK THE LAMP:** Make sure the lamp is fully seated (screwed) in the socket.

## **WARRANTY SERVICE: Please read warranty information first**

If after troubleshooting problems the light will still not work, you should return the light to the dealer where you purchased it. They will be able to further evaluate the light and test its various components and quite possibly will be able to identify and/or fix any problems. Often the problem is as simple as a defective lamp. If the dealer is unable to fix the light, they will return it to us for factory repair. Many dealers have loaner fixtures that you may check out until yours is returned (usually not more than 7-10 days).

To locate the dealer nearest you, visit our website at [www.sunlightsupply.com](http://www.sunlightsupply.com) and complete the "Dealer Search". If there are no dealers in your area, you may contact us directly for technical support. If we cannot help you resolve the problem over the phone, we will issue you a RMA # (return merchandise authorization) authorizing you to return the system to us for factory reconditioning (if the unit is under warranty). You will need to provide an email address or fax number so that the Authorization Form may be sent to you. You will need to include this Authorization Form in the packaging when returning your Sun System unit. Also please write the RMA # on the outside of the box.

***Please package the fixture carefully in its original packaging. If it is damaged in shipment we will not be responsible.***

Once we receive the fixture back, we will repair it within 48 hours (business) and return it to you freight prepaid via UPS Ground. If the unit cannot be repaired, a replacement will be sent. If there are no replacements available, a comparable unit will be sent back.

## **IMPORTANT: PROOF OF PURCHASE REQUIRED FOR RETURNS**

### **SUN SYSTEM® AC/DE® Fusion = 3 Year Warranty**

**Returning Units: Please contact your retail store for returns.**

### **WARRANTY INFORMATION:**

Sunlight Supply®, Inc. warrants to the original purchaser of this product against defects in material and workmanship under normal use for 3 years on Sun System AC/DE Fusion fixtures. During the warranty period, Sunlight Supply will, at our option, and without charge, repair or replace this product if the unit or any of its components fail or malfunction.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness for use and of all other obligations or liabilities on the part of the seller. This warranty shall not apply to this product or any part thereof which has been damaged by accident, abuse, misuse, modification, negligence, alteration or misapplication. Sunlight Supply makes no warranty whatsoever in respect to accessories or parts not supplied by Sunlight Supply. This warranty shall apply only to the United States, including Alaska, Hawaii and territories of the United States.

**NOTE:** Sunlight Supply, Inc. is a manufacturer of supplementary lighting systems. All sales offerings to the public are done through a nationwide group of dealers. No sales offerings will be made directly to the general public.

<b>Part 18 compliance</b>	This device complies with Part 18 of the FCC Rules.
<b>Advisory statement</b>	This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45 - 30 MHz.
<b>The interference potential of the device or system</b>	The interference potential of the device or system is the operating frequency; 0.45 k - 200 kHz.
<b>Maintenance of the system</b>	Unplug the unit, wait 30 seconds, and plug the unit back in.
<b>Simple measures that can be taken by the user to correct interference</b>	Move the unit away from any radio device.

- This product contains delicate electronic components. This means that if it is placed near an object that transmits radio signals, it could cause interference. This could be, for example, mobile telephones, walkie talkies, CB radios, remote controls and microwaves. If interference occurs, move such objects away from the appliance.

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Sunlight Supply, Inc.  
[www.sunlightsupply.com](http://www.sunlightsupply.com)

