AEROSUN LED LANDING LIGHT INSTALLATION:

The AeroSUN LED landing light is intended for aircraft use and should be installed by experienced personnel. The recommended installation location is the leading edge of a wing behind a clear polycarbonate window. Ensure the location provides for function as intended and does not interfere with the pilot’s safe operation of the aircraft.

1. Use the mounting bracket (Item 2) as a template to mark the mounting surface and drill five holes for mounting the bracket to the mounting surface. #8 screws (not provided) or rivets can be used to mount the bracket, as desired by the user.
2. Attach the mounting bracket to the mounting surface.
3. Route 22 AWG wires, in a protected fashion, to the landing light mounting location. It is recommended to install a 10 amp breaker in-line for wire run protection. Consult the interface table below for wiring details.
4. If desired, utilize the included Molex connectors to allow for quick connect/disconnect of the electrical interface.
5. Place one lock washer and one flat washer on each ¼-20 mounting screw, and use the screws to attach the landing light to the mounting bracket.
6. Connect the wiring per the wiring detail below.
7. Apply power to the landing light and verify that it illuminates.
8. Apply power to the wig-wag input and verify that the unit blinks on and off.
9. Adjust the tilt and pan angles of the light in the bracket by loosening the ¼-20 screws until the light is pointed in the proper direction.
10. Tighten the ¼-20 screws to hold the light in its proper orientation.

WIRING INTERFACE:

The AeroSUN LED landing light can operate in constant-on and wig-wag modes. In wig-wag mode, one unit functions as a master and the other as a slave to coordinate the flashing in an alternating fashion.

The red wire (pin 1) is the constant-on power input. Applying power to this input turns on the light.

The black wire (pin 2) is the ground wire, and is connected to the electrical system ground.

### PARTS INCLUDED IN KIT:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Kit No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AeroSUN LED Landing Light</td>
<td>(1 each)</td>
</tr>
<tr>
<td>2</td>
<td>Mounting Bracket</td>
<td>(1 each)</td>
</tr>
<tr>
<td>3</td>
<td>1/4-20 X 5/8” Mounting Screw</td>
<td>(2 each)</td>
</tr>
<tr>
<td>4</td>
<td>1/4&quot; lock washer</td>
<td>(2 each)</td>
</tr>
<tr>
<td>5</td>
<td>1/4&quot; flat washer</td>
<td>(2 each)</td>
</tr>
<tr>
<td>6</td>
<td>Molex 5 pin female connector housing</td>
<td>(1 each)</td>
</tr>
<tr>
<td>7</td>
<td>Molex 5 pin male connector housing</td>
<td>(1 each)</td>
</tr>
<tr>
<td>8</td>
<td>Female pins for Molex connector</td>
<td>(5 each)</td>
</tr>
<tr>
<td>9</td>
<td>Male pins for Molex connector</td>
<td>(5 each)</td>
</tr>
</tbody>
</table>
The yellow wire (pin 5) is the wig-wag power input. Applying power to this input turns on the light in wig-wag (flashing) mode. Applying power to this input enables wig-wag mode regardless of whether or not power is applied to the red wire.

The green wire (pin 3) is the master-output. In a two light installation, select one of the units to be the master, and connect the master output from that unit to the slave input on the other unit. Only connect one master output to one slave input, and leave the other master and slave wires unconnected.

The blue wire (pin 4) is the slave input. Connect the master output from the master unit to this input on the slave unit.

AEROSUN LED LANDING LIGHT SPECIFICATIONS

1.0 Introduction:
The AeroLEDs AeroSUN is an LED landing/recognition light. The AeroSUN is packaged in a sealed durable aluminum base with black anodizing, integral acrylic lenses, vibration-resistant power supplies / control circuitries, and eight high power white LED’s. The AeroSUN is designed for 12 and 24 Volt Systems without modifications or adjustment. The AeroSUN is 5” wide, 2” high and 1.9” deep.

2.0 Physical Specifications:
2.2 Base: Aluminum.
2.3 Lens: Acrylic lenses permanently adhered to base.
2.4 Weight: Under 1 lb.
2.5 Size: 2”x5”x1.9”

3.0 Electrical Specifications:
3.1 Input Voltage: 12 & 24 Volt Systems (9.0 VDC to 28.8 VDC)
3.2 Input Current: 2.0 Amps typical on 12 Volt system, decreasing to 1.0 Amps typical on 24 Volt system
3.3 Spike Protection: +40, -40 Volts. (40V transorb)
3.4 Lighting Protection: All pins
3.5 Polarity: Positive or negative ground, polarity protected.

4.0 Additional Specifications:
4.1 Warranty: Ten (10) year limited warranty.
4.2 Operating Temperature Range: -55° C to +70° C, unit will automatically enter wig-wag mode for self-protection if it overheats (over 90° C case temperature)
4.2 Cleaning: Unit may be exposed to spray wash.

AeroLEDs LIMITED WARRANTY AND LIMITATION OF LIABILITY

AeroLEDs warrants that on the Date of Purchase this Product will conform to AeroLEDs’ published specifications for the product, which are available from AeroLEDs on request, and AeroLEDs warrants that the product is free from defects in materials and workmanship. This Limited Warranty extends for ten (10) years from the date of purchase. AeroLEDs will, at its option, repair or replace any product found by AeroLEDs to be defective and subject to this Limited Warranty.

This Limited Warranty does not apply to parts or products that are misused; abused; modified; damaged by accident, fire or other hazard; improperly installed or operated; or not maintained in accordance with the maintenance procedures set forth in AeroLEDs’ Installation and Operating Instructions.

To obtain warranty service you must call AeroLEDs Customer Service at 208-867-1319, or FAX your request to 208-246-0552. Customer Service will issue warranty authorization and further instructions.

EXCLUSION OF OTHER WARRANTIES. AEROLEDS MAKES NO OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY. THE IMPLIED WARRANTIES FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED AND SHALL NOT APPLY TO THE PRODUCT. BUYER’S SOLE AND EXCLUSIVE REMEDY IN CONTRACT, TORT OR UNDER ANY OTHER THEORY AGAINST AEROLEDS RESPECTING THE PRODUCT AND ITS USE SHALL BE THE REPLACEMENT OR REPAIR OF THE PRODUCT AS DESCRIBED ABOVE.

LIMITATION OF LIABILITY: IN THE EVENT OF LIABILITY FOR DAMAGES ARISING OUT OF THIS LIMITED WARRANTY OR ANY OTHER CLAIM RELATED TO AEROLEDS PRODUCTS, AEROLEDS’ LIABILITY FOR DAMAGES SHALL BE LIMITED TO THE AMOUNT PAID FOR THE PRODUCT AT THE TIME OF ORIGINAL PURCHASE. IN NO EVENT SHALL AEROLEDS BE LIABLE FOR LOST PROFITS, THE COST OF SUBSTITUTE EQUIPMENT OR LABOR, PROPERTY DAMAGE, OR OTHER SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES BASED UPON ANY CLAIM FOR BREACH OF CONTRACT, NEGLIGENCE OR OTHER CLAIM. EVEN IF AEROLEDS OR A AEROLEDS REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. AeroLEDs shall have no further obligation or liability with respect to the product or its sale, operation and use, and AeroLEDs neither assumes nor authorizes the assumption of any other obligation or liability in connection with such product.

This Limited Warranty gives you specific legal rights, and you may also have other legal rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Any oral statements or representations about the product which may have been made by salesmen or AeroLEDs representatives do not constitute warranties. This Limited Warranty may not be amended, modified or enlarged, except by a written agreement signed by an authorized official of AeroLEDs which expressly refers to this Limited Warranty.