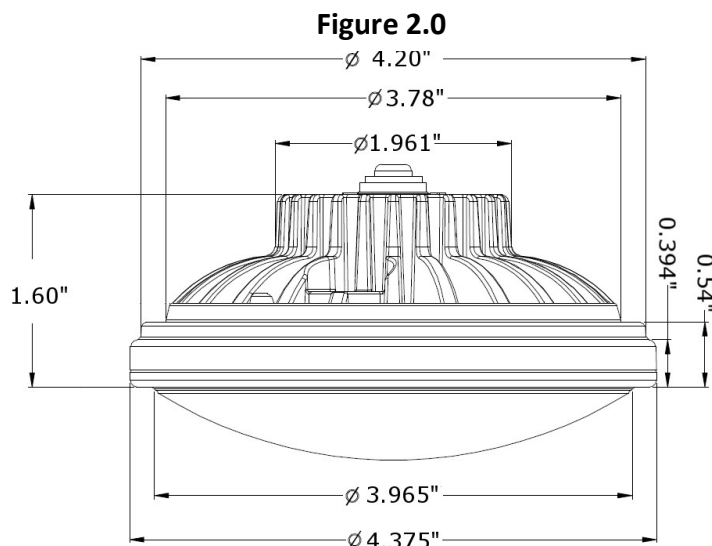
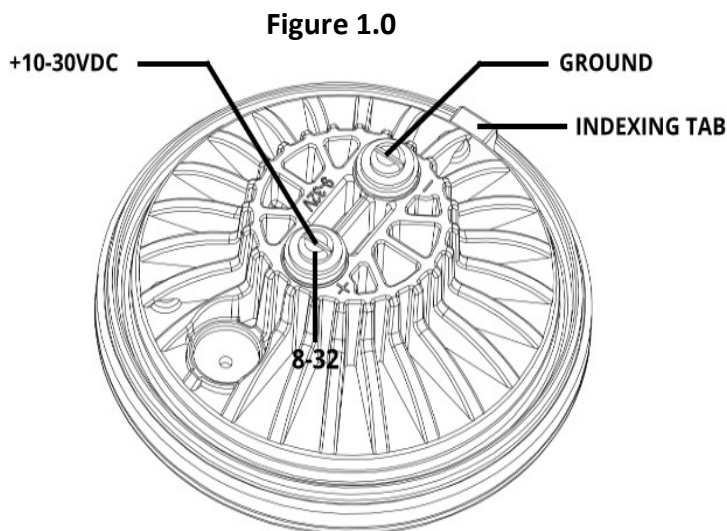


### Installation Instructions

PART #	STYLE	Application	Beam	Weight	Voltage	Input Current
PAR36L202	PAR 36	LANDING	12° x 12°	0.72 lbs.	+10-30VDC	1.35a @ 14VDC / 0.70a @ 28VDC
PAR36TR2	PAR 36	TAXI/RECOGNITION	45°X 12°	0.72 lbs.	+10-30VDC	1.35a @ 14VDC / 0.70a @ 28VDC

\*\*\*THOROUGHLY READ THIS GUIDE, INCLUDING WARNINGS, BEFORE ATTEMPTING INSTALLATION\*\*\*

#### INSTALLATION PROCEDURES:



#### RETROFIT INSTALLATIONS ONLY

- Before proceeding, verify your currently installed lamp is a PAR 36 / 4.5" diameter sealed beam lamp.
- REMOVE NEGATIVE (GROUND) TERMINAL FROM SHIP BATTERY
- Remove existing lamp from fixture per instructions in applicable service manual. Retain all OEM hardware.
- Disconnect both existing wires\* from lamp
- Determine if currently installed circuit wiring is of sufficient gauge for the circuit load requirements. If wire gauge is undersize, it must be replaced before proceeding any further with the installation.
- Identify negative (ground) wire using a multi-meter. (The negative wire will have continuity to ground)
- Install new LED lamp into OEM light fixture per instructions in your applicable service manual. \*If installing PN PAR36TR2 (flood version), it is important to position the indexing tab at either a 3 o'clock or 9 o'clock position to ensure the proper beam spread.
- Using the provided screws, install the existing Power and Ground wires to the LED Light Assembly per the diagram in **FIGURE 1.0**. **Torque terminals (NOT TO EXCEED 15LB/IN).** **Warning: Over torque screw terminals will cause damage to internal components and void warranty and/or returns.** The LED light assembly is Polarity sensitive, however reversing the wiring will not damage the light; only the light will not illuminate until the condition is corrected.
- Attach Negative terminal of the battery to regain electrical system continuity.
- Place light switch in the ON position and verify proper operation of lamp.
- With reference to the instructions in your service manual, verify that the light is aimed in accordance with the manufacturers recommendations.
- If applicable test the full frequency spectrum of any radio equipment to verify no adverse interference due to EMI or RFI while the light is in the ON position.
- Make entry in appropriate maintenance record log , if applicable.

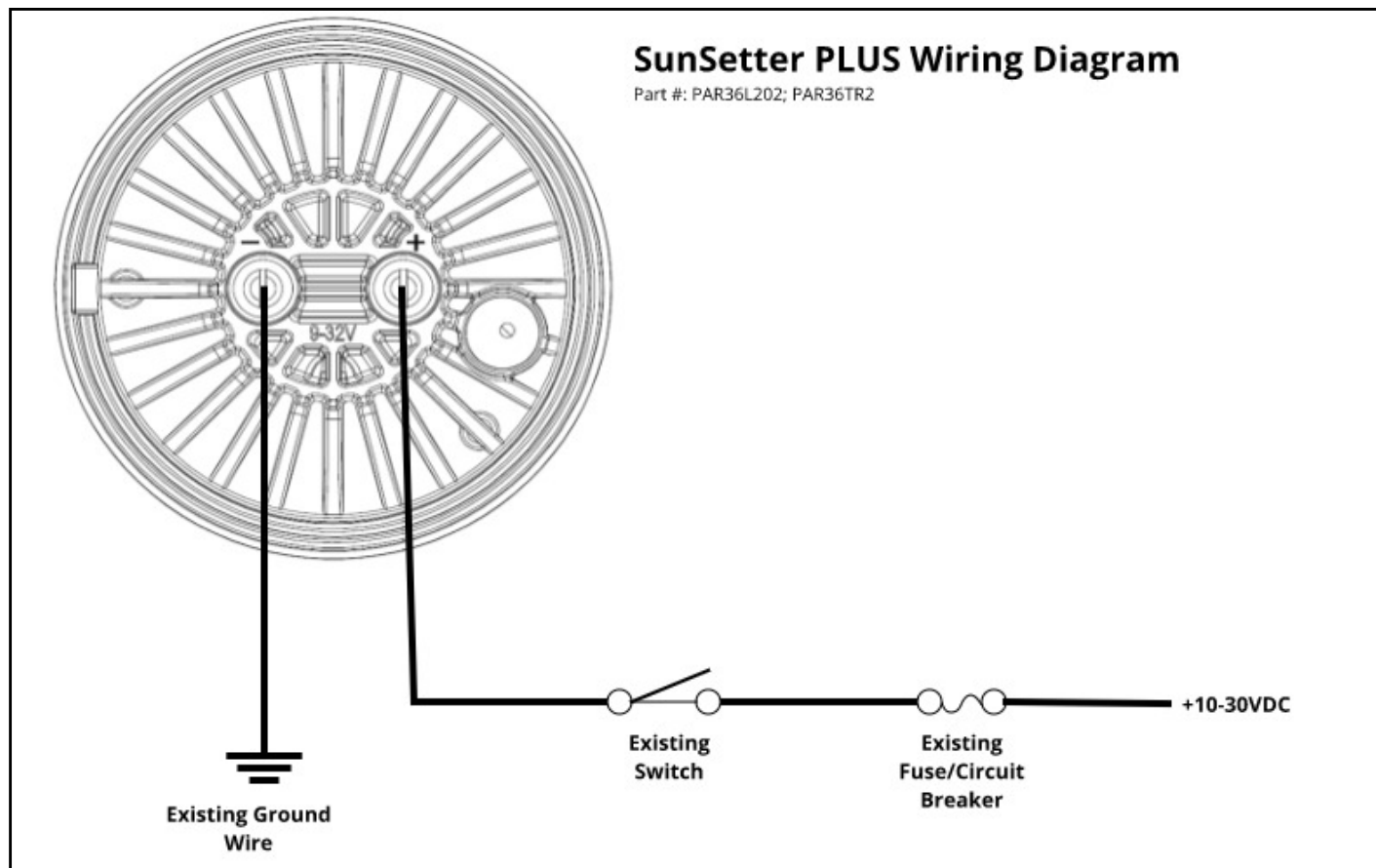
# INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

Interval:	Action:	Remarks:
Every Flight	<ul style="list-style-type: none"> <li>Perform function check of lamp(s)</li> </ul>	If lamp is found defective, discontinue aircraft operation between sunset and sunrise until serviceable replacement lamp has been installed.
100hr	<ul style="list-style-type: none"> <li>Perform function check of lamp(s)</li> <li>Inspect lens for cracks or discoloration</li> <li>Inspect heat sink for corrosion. Treat if necessary</li> <li>Check security of fasteners in housing/mount</li> <li>Check security of electrical terminations.</li> <li>Check condition of visible wiring</li> </ul>	Replace defective lamp before return to service. *Lamp assembly has no serviceable parts. Any evidence of breach to access internal circuit will void warranty.
Annually	<ul style="list-style-type: none"> <li>Perform function check of lamp(s)</li> <li>Inspect lens for cracks or discoloration</li> <li>Inspect heat sink for corrosion. Treat if necessary</li> <li>Check security of fasteners in housing/mount</li> <li>Check security of electrical terminations.</li> <li>Check condition of visible wiring</li> </ul>	Replace defective lamp before return to service. *Lamp assembly has no serviceable parts. Any evidence of breach to access internal circuit will void warranty.

**WARNING:** This product is not FAA-PMA approved. Pursuant 14CFR§21.9, this article is not suitable for installation on a type-certificated product

**WARNING:** DO NOT install any HSI compass components within 24 inch proximity of LED light or its circuit for risk of EMI. LED power wire MUST NOT parallel any compass Flux Gate wiring closer than 24 inches apart for risk of EMI.

**WARNING:** A compass swing MUST be performed, notating the compass position error with the LED light in the ON and OFF position.



Revision Number:	Revision Date:	Description of Changes:	Initial:
1-0	08/02/2018	Original Publication	JR
1-1	12/08/2018	Redesigned powder coated housing with 8-32 screw terminals	JR