

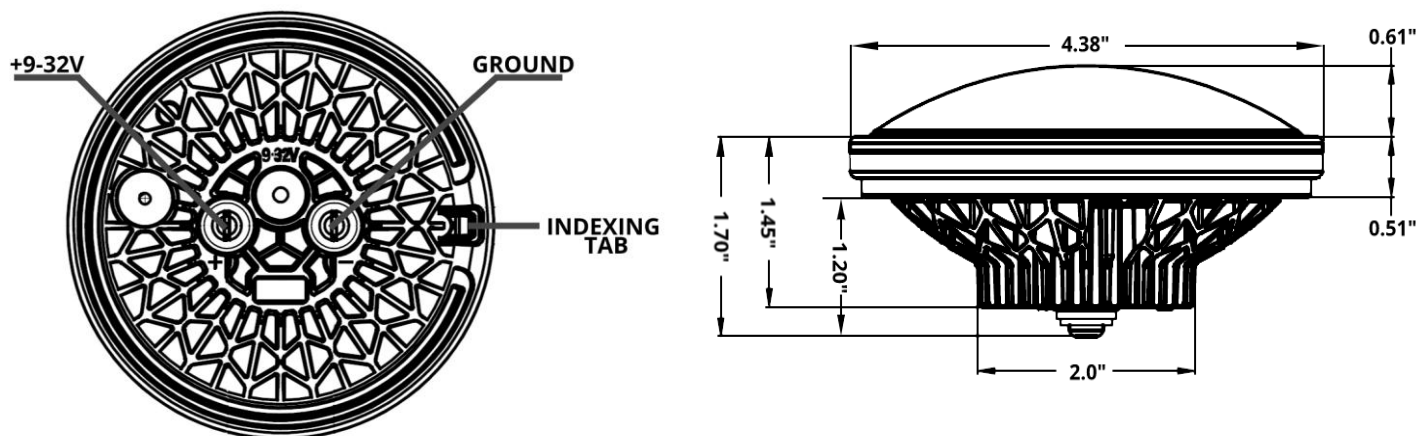
AERO-LITES SUNSETTER – ULTRA SERIES

Installation Instructions

| PART # | STYLE | Application | Beam | Weight | Voltage | Input Current |
|-----------|--------|------------------|-----------|-----------|----------|-------------------------------------|
| PAR36L204 | PAR 36 | LANDING | 10° x 10° | 0.70 lbs. | +9-32VDC | 2.80a @ 14VDC / 1.45a @ 28VDC (max) |
| PAR36TR4 | PAR 36 | TAXI/RECOGNITION | 45°X 15° | 0.70 lbs. | +9-32VDC | 2.80a @ 14VDC / 1.45a @ 28VDC (max) |

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

Figure 2.0



INSTALLATION PROCEDURES:

- 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 your maintenance 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 maintenance.

NOTE 1: If installing Taxi/Recognition Lamp, PN: PAR36TR4, It is imperative that the Indexing Key be positioned at either 3 o'clock or 9 o'clock position. This is to ensure that the projected light beam is oriented parallel to the horizon.

NOTE 2: Depending on the application, it may be necessary to install a "seal" between the housing housing and the LED mounting flange to remove excess play. Some housings were developed with a seal as a necessary component for proper fitment.
- 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 maintenance manual, verify that the light is aimed in accordance with the manufacturers recommendations.
 - Test the full frequency spectrum of all 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.

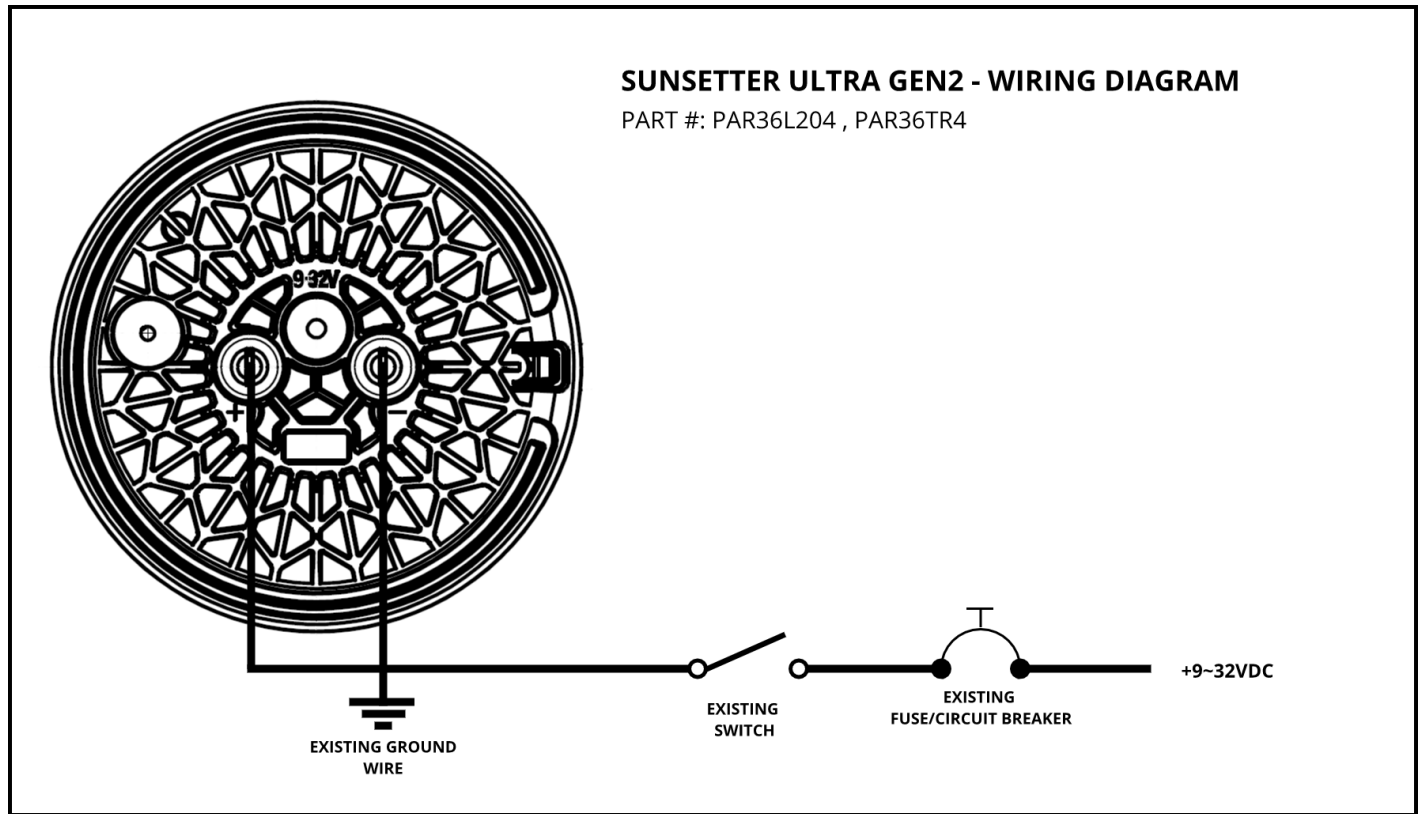
WARNING: This product is not FAA-PMA approved. Pursuant 14CFR§21.9, this article is not suitable for installation on a type-certificated product.

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.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

| Interval: | Action: | Remarks: |
|--------------|---|--|
| Every Flight | <ul style="list-style-type: none"> Perform function check of lamp(s) | 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"> Perform function check of lamp(s) Inspect lens for cracks or discoloration Inspect heat sink for corrosion. Treat if necessary Check security of fasteners in housing/mount Check security of electrical terminations. Check condition of visible wiring | 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"> Perform function check of lamp(s) Inspect lens for cracks or discoloration Inspect heat sink for corrosion. Treat if necessary Check security of fasteners in housing/mount Check security of electrical terminations. Check condition of visible wiring | Replace defective lamp before return to service. *Lamp assembly has no serviceable parts. Any evidence of breach to access internal circuit will void warranty. |



| Revision Number: | Revision Date: | Description of Changes: | Initial: |
|------------------|----------------|---|----------|
| | 01/20/2019 | Original Publication | JR |
| 1-1 | 05/13/2019 | PAR36L204 Rev A (spot lens amended to 10degree from 15degree beam | JR |
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