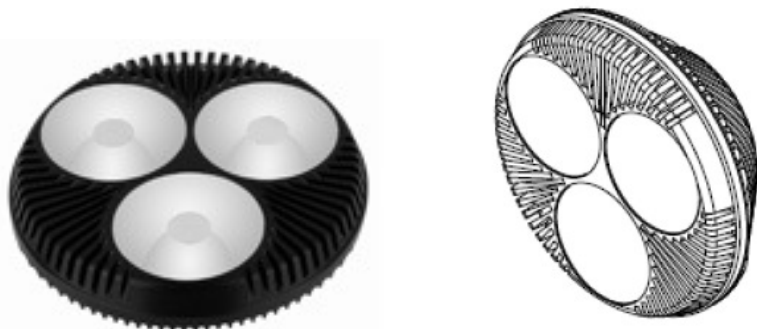


Manufactured by:
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Installation Guide:
Sunspot 46
P/N 01-2038-A or P/N 01-2030-B
LED Landing or Taxi light with
built-in pulse recognition mode



Operating Instructions:

Operational Voltage: 14 & 28 Volt Systems

Input Current: 6A at 14V, 3A at 28V

EQUIPMENT LIMITATIONS:

Mount in approved PAR46 bulb holder with circuit breaker or fuse appropriate for rated current.

CONTINUED AIRWORTHINESS:

The Sunspot 46 LED landing or taxi light assembly is designed with 3 high power LEDs mounted behind lenses. Should any one LED fail, the unit must be repaired or replaced.

INSTALLATION PROCEDURES:

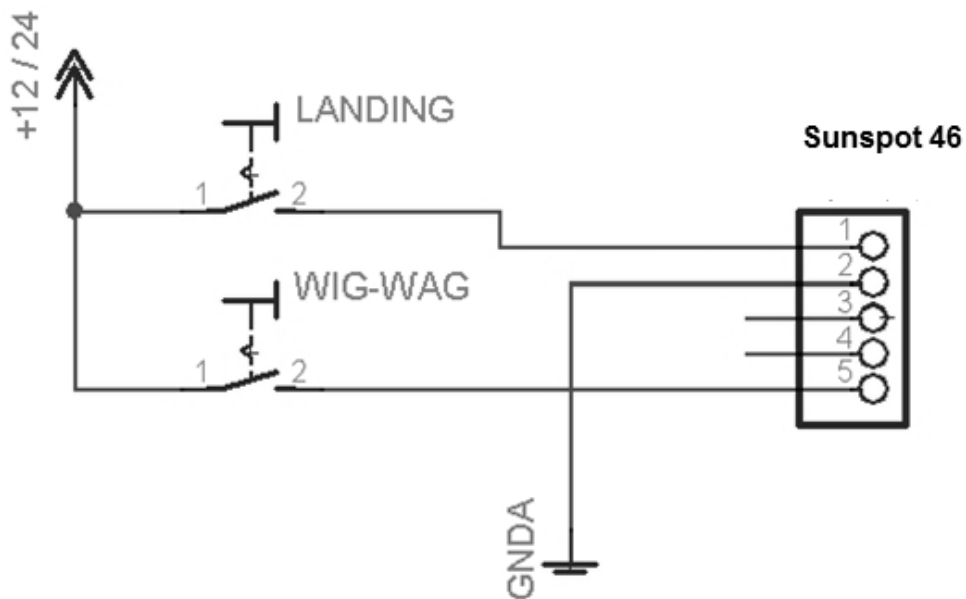
1. The installation procedure described in the following text is for a single light installation, but the procedure is identical for multiple light installations.

2. For bulb replacement installations remove the existing bulb from the PAR46 bulb holder, for new installations install an approved PAR46 bulb holder following FAA requirements for aircraft modifications.
3. Mount the Sunspot 46 in the PAR46 bulb holder and tighten the clamping screws to secure it in place. For the taxi light version, ensure that the lenticular lens stripes on the face of the lenses are oriented vertically so that the taxi light pattern will throw light horizontally.
4. Connect the red wire to switched power for landing or taxi lights as appropriate to the version of the Sunspot 46 being installed, connect the yellow wire to switched power for the pulse mode (optional), connect the black wire to the structure ground used to ground the mount, and connect the green wire to the blue wire from another installed light (optional) if wig-wag functionality is desired. It is recommended that the attached wiring diagram be followed for installations. Use approved splices and heat shrink for connecting wires to existing wire runs.
5. Check all avionics systems for interference from this installation.
6. A flight check should be performed by a properly certified pilot.

Pin Number	Wire Color	Function
1	Red	Steady On Power Input
2	Black	Ground
3	Green	Master Output
4	Blue	Slave Input
5	Yellow	Wig-Wag Power Input

Note that power applied to the yellow wire supercedes power applied to the red wire, so the unit will flash anytime power is applied to the yellow wire regardless of the voltage on the red wire.

Single Unit Wiring Diagram



Double Unit Wiring Diagram

