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Installation Guide:

AeroLEDs Linear Pulsar NS Series

P/N 01-1280-A-()-() Pulsar N (Nav only)

P/N 01-1280-B-()-() Pulsar NS (Nav/Strobe)

P/N 01-1280-C-()-() Pulsar NSP (Nav/Strobe/Position)

The first -() indicates the system voltage,
with -12 being the 12VDC and -24 being
24VDC electrical systems.

The second -() indicates Left or Right

LED Position and

Anti-Collision Lights



Operating Instructions:

Below current values are for each individual light:

Operational Voltage: 14 or 28 Volt Systems

Position Input Current: 0.6A at 14V, 0.3A at 28V

Strobe Average Current: 0.8A at 14V, 0.4A at 28V

Strobe Peak Current: 2.5A at 28V for 0.2 seconds
5.0A at 14V for 0.2 seconds

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. Ensure that the proper part number, -12 for 12VDC or -24 for 24VDC electrical systems, and left (-L) or right (-R) is installed on the correct side of the aircraft.
2. Print out the installation template (the page 3 of this document), however be sure to set up the printer driver to NOT use Page Scaling so the printer will replicate the template to the proper 1:1 scale, otherwise the template will be too small. The proper scaling can be verified by placing the included 'Y' Mounting Bracket over the printout to ensure a 1:1 fit.
3. By design, the 'Y' Mounting Bracket locks into the NS product body.
4. Print the template as described above and confirm a 1:1 scaling of the printout.
5. Attach the template to the wingtip (mounting) position and mark the screw and wire hole locations. The bracket will match existing mounting holes for most legacy installations.
6. Mount the bracket using three 6-32 100 degree countersunk screws. **Ensure that the mounting bracket is grounded to structure via the mounting screws.** If necessary, route a ground strap from one mounting screw to structure ground or terminate the ground shield from the shielded wire bundle to a mounting screw. Proper chassis ground is required for protection from direct lightning effects.
7. Connect the red wire to switched power for the position lights, connect the yellow wire to switched power for the strobe lights, connect the black wire to ground, and connect the green wire to the synchronization wire from the other installed light(s).
WARNING: Do not connect the strobe power wire to a Xenon strobe power pack. This can damage the light and voids the warranty.
8. Attach the light to the mounting bracket and anchor in place with the 8-32 hex head set screw (provided) that inserts into the rear of the light.
9. Check all avionics systems for interference from this installation.

