

# WHELEN AVIATION LIGHTING

## HOW TO CHOOSE A POWER SUPPLY AND ABOUT COMETFLASH®

The power supply needed depends on the application, and the mounting location. Model HDACF Series is a fuselage mounted power supply that will power two or three lights. Model A490ATSC Series is designed for installation adjacent to the strobe lighthouse and will power one light assy. Model A490TCF Series is the most economical power supply when adding only one light. It mounts adjacent to the strobe lighthouse assembly (not legal for light output with red strobe light). Most other Whelen power supplies are application specific, call for details. Unless otherwise noted, all power supplies are CometFlash®. A major advancement in the field of safety lighting. By pulsing the flash tube four times in rapid succession, the effective "on-time" of the strobe is increased from 2/1000 of a second to 4/10 of a second. This increases your airplane's visibility.



**MODEL HDACF SERIES** - HDACF series provides simultaneous flashing, alternate flashing or both. It will operate one, two or three strobe lighthouses. Operating the wing tip strobes in the alternating mode will provide an accumulated 42 joules of power to each light. When in the simultaneous mode, the wing flash simultaneous at an accumulated 21 joules each, they alternate with a third light operating at an accumulated 42 joules. On the trigger selector outlet, a switch mounted in place of the jumper will allow wing tip outlets 2 & 3 to be turned off, while the tail outlet 1 will remain on. This power supply will operate from 10 to 30 VDC. FAA/PMA  
**Specifications:** • Power Consumption: 7.0 amps @ 14 VDC; 3.5 amps @ 28 VDC • Weight: 2.1 lbs. (953gm) • Length: 5.50" (140mm) • Width: 5.0" (127mm) • Height: 2.37" (60mm).....P/N 11-16218



**MODEL A490ATSC SERIES** - Operates one strobe lighthouse. It produces an accumulated 34 joules of power and can be equipped to flash simultaneously with up to 5 other like units by connecting an 18 gauge wire between outlet 3 on the input power connector. This power supply will operate from 10 to 30 VDC. FAA/PMA  
**Specifications:** • Power Consumption: 4.0 amps @ 14 VDC; 2.0 amps @ 28 VDC • Weight: 1.7 lbs. (771gm) • Length: 5.0" (127mm) • Width: 3.12" (79mm) • Height: 3.06" (78mm). P/N 11-02666



**MODEL A490TCF**  
 Operates one strobe lighthouse. It produces an accumulated 19 joules of power. It will only meet 400 CP when used with the A470A-W. This unit cannot be synchronized. Operates from 10 to 30 VDC (not approved for use with red strobe light).  
**Specifications:** • Power Consumption: 1.7 amps @ 14 VDC; 0.85 amps @ 28 VDC • Weight: 1.2 lbs. (544gm) • Length: 5.0" (127mm) • Width: 3.12" (79mm) • Height: 2.38" (60mm)  
 FAA/PMA • 20" leads, amp connectors  
 P/N 11-14714



**MODEL A490TCF**  
 Same as the A490TCF but has a mounting plate with additional holes that directly replaces factory installed systems on single engine Cessna's, Aero Commanders, and Grumman Americans. FAA/PMA  
 • 20" leads, amp connectors  
 P/N 11-02661



**MODEL 01-0770062-05 (CIRRUS)**  
 Operates one (1) strobe light head at 36 joules in CometFlash. It is equipped to flash simultaneously with up to 5 other like units by connecting an 18 gauge wire between outlet 3 on the input connector.  
**Specifications:** • Power Consumption: 1.6 amps avg. Input Voltage: 28 VDC Nominal • Weight 1.3lbs  
 Length: 5.00" • Width: 3.12" • Height: 3.00"  
 P/N 11-08306



**READING LIGHT** - The Model A325 ML reading light will replace original equipment on 14 volt Piper aircraft. It is designed for passenger convenience and is equipped with an on/off slide switch. Specify voltage (14V or 28V).  
 14V.....P/N 11-03294  
 28V.....P/N 11-03682



**OVERHEAD CABIN LIGHT** - The Model A360 is designed for recessed overhead lighting. Aluminum housing & Pyrex lens. Weight: 0.25 Lb.  
 14V.....P/N 11-03685  
 Dome light assy. with switch 14V  
 P/N 11-03629



**MODEL 7114416 'GOOSENECK' LED LIGHT ASSEMBLY**  
 Whelen LED Gooseneck Light Assembly. Features a positive off position & rheostat controlled light intensity. Available in 28VDC only.  
 • Power Consumption: 0.06 amps @ 28 VDC. • LED Colors: Aviation White • Weight: 0.46 lbs. (209gm).  
 • Black Nylon Hood: fixed in position.  
 P/N 11-07701



**A350 WHELEN POST LIGHTS**  
 A350 and A350CN series instrument post light assemblies are designed to illuminate the instrument panel and function as instrument mounting bolts. The A350 is identical to the A350CN, but without the connector nut.  
**Specifications:** • Drawing Number A350: 70116 • Drawing Number A350CN: 70119 • Exposed Height: .875" (22mm) without spacer, 1.00" (25mm) with spacer • Power Consumption: 0.2 amps @ 6 VDC, 0.08 amps @ 14 VDC, & 0.04 amps @ 28 VDC • Weight: 0.037 lbs. (17gm)  
 Post Light Assembly w/ nut black post  
 P/N 11-08133

Model Number	Description	Part No.	Price
A350CN09	White, 14 VDC	11-03205	---
A350CN10	Red, 14 VDC	11-03214	---
A350CN15	White, 28 VDC	11-03210	---
A350CN16	Red, 28 VDC	11-03653	---



**INSTALLATION CABLE KITS** - Cable kits include all required connectors for hooking up the strobe light to the power supply only. Warning placards included. All cable is 16 gauge 3/C shielded. The cable diameter is .275" (7mm). Weight is .050 lbs. per linear foot. (Kits do not include switches or breakers)

Model No.	Description	Part No.	Price
HS5	5' Cable kit	11-04204	---
HT10	10' Cable kit	11-08173	---
HS30	30' Cable kit	11-03285	---
HD60	60' Cable kit	11-02667	---
HDT390	90' Cable kit	11-02668	---
HT	Install Placard Kit: Includes (1) A421 & (1) A421-1 Pilots Warning Placards, (1) A445 Switch Label. No connectors included.	11-02669	---

**REPLACEMENT CONNECTORS** - Replacement connector kits and assemblies for cables.

Model No.	Description	Part No.	Price
A441	3 Position male with pins kit	11-03211	---
A442	3 Position male with sockets kit	11-03212	---
A444	2 Position male with pins assembly	11-03700	---
A446	2 Position female with sockets assembly	11-03702	---
A447	4 Position male with pins	11-07706	---
A448	4 Position female with sockets	11-07707	---



**CRIMP TOOL** - Pin and socket crimping tool.  
 P/N 11-07708

**NOTE:** All non-FAA approved Whelens parts are signified by a (—) in the approval column. Parts without FAA approval may still be purchased, however, installation of these parts on U. S. Type Certificated products may require additional FAA approvals.