# WHELEN® ENGINEERING COMPANY INC.

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Installation Guide
Model A600PG/PR Series
Wingtip Strobe
Anti-collision/Position
Light Assembly

### **Specifications:**

#### Position Lights -

Current Draw	4.0 Amps @ 14 Volts D.C
	2.0 Amps @ 28 Volts D.C
Weight	0.8 lbs.
Length	5.6"
Width	1.7"
Height	2.4"

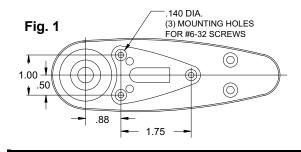
#### INSTALLATION...

The A600 Series must be properly mounted to comply with FAR Part 91.205(c-2) & (c-3). The light assembly must be mounted so that the light distribution pattern is not obstructed by any parts of the aircraft. A limited amount of obstruction is permitted (Ref. FAR Part 23.1401 for anti-collision lights, and FAR 23.1387 for position lights).

The baseplate must be mounted parallel to the vertical and horizontal centerlines of the aircraft to project the patterns properly.

#### MOUNTING...

- 1. If necessary, fabricate the mounting pattern using dimensions found in fig. 1.
- Make the necessary wiring connections using 18 gage wire for the position lights, and Whelen 16 gage 3/c cable for the strobe lights. All connections must use FAA approved techniques.
- Remove the two (6-32 x .312) retainer mounting screws, retainer and lens.
- Attach the base assembly to the wingtip using (3) #6-32 countersunk screws (unit may be sealed around periphery with RTV or equivalent).
- 5. Re-attach the lens and retainer.



#### WIRING...

 The strobe connector should plug into the Whelen interconnecting cable, or a Whelen strobe power supply.

Observe the following strobe color coding:

PIN 1 - RED (Anode)
PIN 2 - BLACK (Cathode)
PIN 3 - WHITE (Trigger)

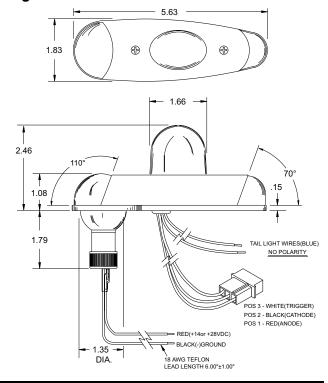
Caution: When pins 1 & 2 or pins 2 & 3 are reversed, the system will appear to operate normally, however this condition will cause premature flash tube failure.

2. Connect the forward position light wires as follows:

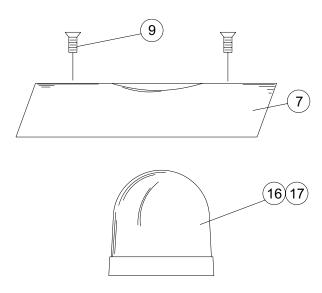
## RED - +14 or +28 volts (depending on aircraft voltage) BLACK - ( - ) Ground

 The tail position light has no polarity, as noted by both wires being BLUE. Connect one BLUE wire to +14 or +28 volts (depending on aircraft voltage). Connect the other BLUE wire to ground (see fig. 2)..

#### Fig. 2



For warranty information regarding this product, visit www.whelen.com/warranty



TEM	PART NUMBER	DESCRIPTION
1	02-0350259-00	BASEPLATE ASS'Y (A605)
2	02-0250276-00	FLASH TUBE ASSEMBLY
3	34-0414020-65	LAMP, 14V (W1290-14)
4	34-0428020-65	LAMP, 28V (W1290-28)
5	68-4230020-40	LENS, GREEN (W1284-G)
6	68-4230020-50	LENS, RED (W1284-R)
7	19-170049-009	LENS, RETAINER (A606)
8	02-0350260-00	SOCKET ASSY'Y (A507)
9	N/A	#6-32 x 5/16 PHILLIPS FHMS (MS51959-27)
10	34-0412070-63	LAMP, 14V (A508-14)
11	34-0412070-64	LAMP, 28V (A508-28)
12	68-4250066-30	LENS, TAIL POSITION (A615)
13	38-0230021-00	GASKET (W1283)
14	38-0130090-00	GASKET (A616)
15	38-0130107-00	GASKET (A427-A)
16	68-2290005-30	LENS,CLEAR (A612)
17	68-2290005-34	LENS, CLEAR (COATED)

