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Installation Guide
Model A650PG/PR Series
Wingtip Strobe
Anti-collision/Position
Light Assembly

Specifications:

Position Lights -

Current Draw	.2.0 Amps @ 14 Volts D.C
	1.0 Amps @ 28 Volts D.C
Weight	6 lbs.
Length	. 3.84"
Width	. 1.7"
Height	. 2.4"

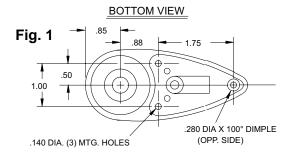
INSTALLATION...

The A650 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 PAR 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. These assemblies are interchangeable with the Grimes model A1285 position light.

MOUNTING...

- 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 (6-32 x .312) retainer mounting screw and retainer.
- 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 lens retainer.



WIRING...

1. The strobe connector should plug into the Whelen 16 gage interconnecting cable, or a Whelen strobe power supply.

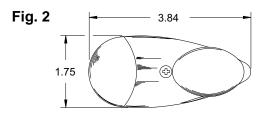
Observe the following strobe color coding:

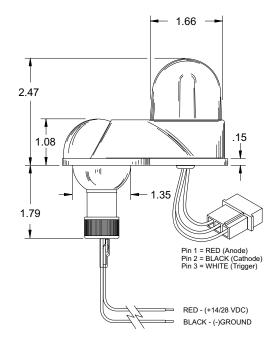
PIN 1 - RED (Anode) PIN 2 - BLACK (Cathode) PIN 3 - WHITE (Trigger)

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.

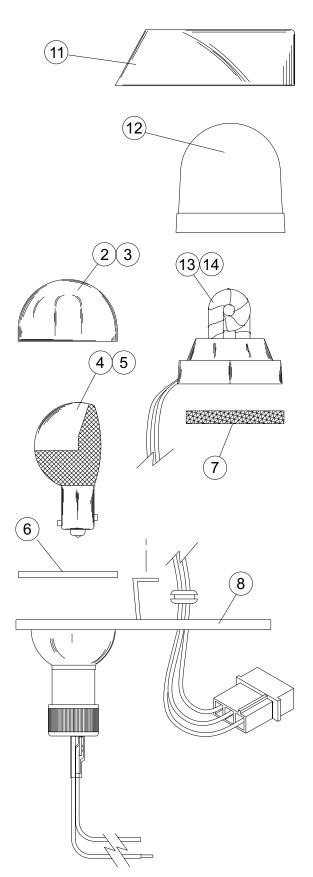
Connect the forward position light wires as follows, using 18 gage approved aviation wire or cable:

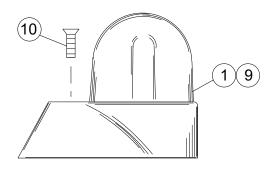
RED - +14 or +28 volts (depending on aircraft voltage BLACK - (-) Ground





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REPLACEMENT PARTS		
14	02-0250276-03	FLASH TUBE ASSEMBLY (MOLEX CONNECTOR)
13	02-0250276-00	FLASH TUBE ASSEMBLY (A610)
12	68-2290005-30	LENS, FLASHTUBE (A612)
11	19-170052-009	RETAINER, LENS (A626)
10		#6-32 X 5/16 PHILLIPS FHMS(MS51959-27)
9	02-0350072-55	LENS/RETAINER ASSY. (RED)
8	02-0350003-01	BASE PLATE ASSEMBLY (W1285-2)
7	38-0130106-00	GASKET, FLASHTUBE, (A427-3)
6	38-0230021-00	GASKET, LENS (W1283)
5	34-0414020-65	LAMP, 14V (W129014)
4	34A0428020-65	LAMP, 28V (W1290-28)
3	68-4230020-40	LENS, GREEN (W1284G)
2	68-4230020-50	LENS, RED (W1284R)
1	02-0350072-35	LENS/RETAINER ASSY., CLEAR (A626D)
ITEM	PART NUMBER	DESCRIPTION