

ROUTE 145, WINTHROP ROAD  
CHESTER, CONNECTICUT 06412-0684  
TELEPHONE: (860) 526-9504  
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FAA / TSO C30b TYPE 1 & 2  
and  
FAA / TSO - C96a  
APPROVED



**Model 90193 - ( )  
Anti-Collision / Position  
Light Assembly**

**SPECIFICATIONS:**

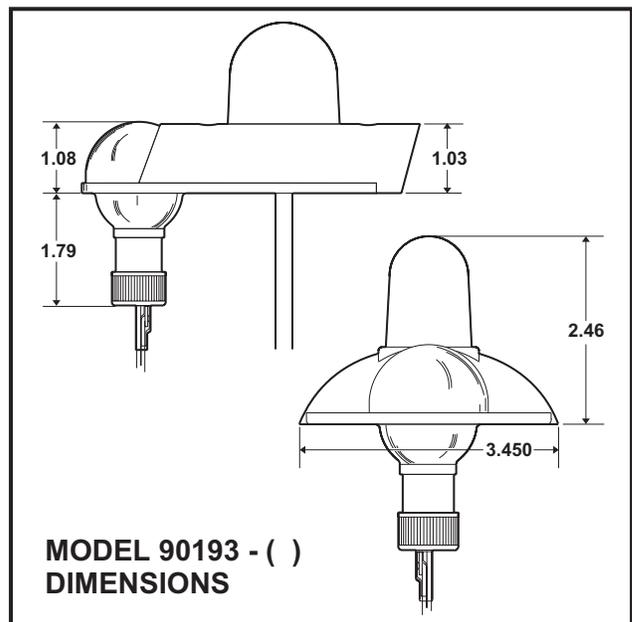
**Nominal Operational Voltage:** ..... 28 VDC  
**Average Input Current:** ..... 1 AMP  
**Lamp for all Units:** ..... 28VDC, 26 Watts Max.

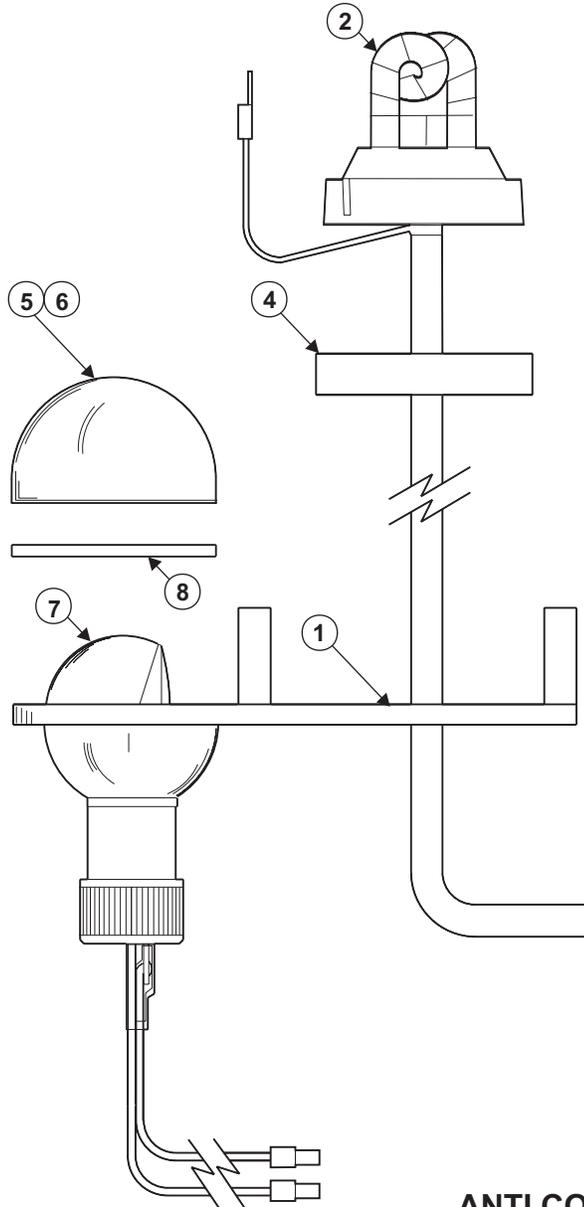
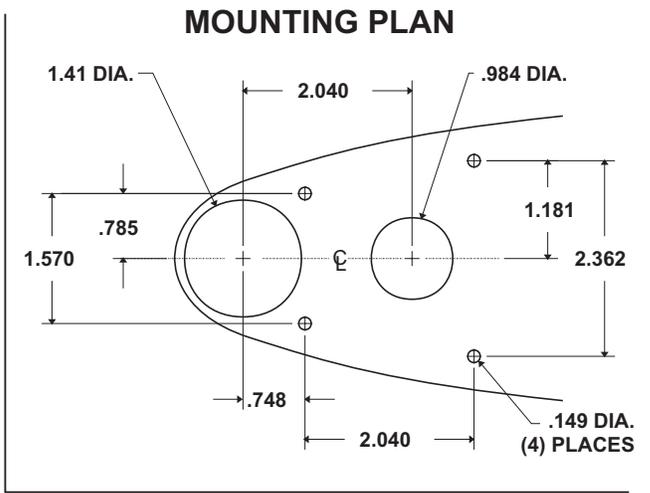
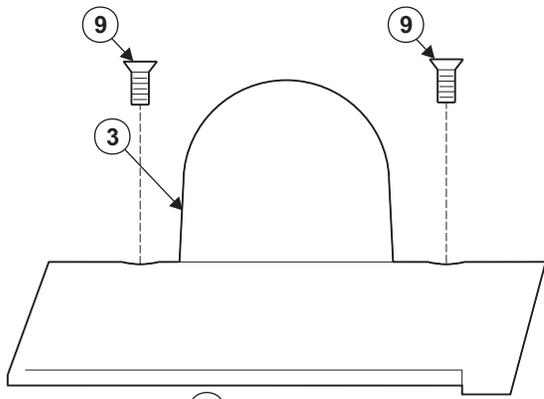
**EQUIPMENT LIMITATIONS:**

An approved Anti-Collision / Position System consists of two assemblies, one located on each wingtip.

**INSTALLATION PROCEDURES:** The following information is to assist you in installing a Whelen Anti-Collision / Position light system.

- 1) Choose the appropriate Model 90193 - ( ) replacement light assembly.
- 2) The installation procedure described in the following text will be confined to a single light installation, but is identical for multiple light installation.
- 3) Remove old anti-collision light, locate and record existing +28 VDC and (-) ground terminal block position and output connector from power supply.
- 4) Use existing mounting holes and hardware.
- 5) Connect leads from light assembly to terminal block in recorded manner and lead from light to power supply.
- 6) Breaker Requirements  
Make sure existing system is equipped with an appropriate sized breaker.
- 7) Install light assembly and insure that all leads are clear of any obstructions and ty-rop as required. Secure light assembly, use lock washers and/or thread lock, on all threaded fasteners.
- 8) Check all avionics systems for interference from this installation.
- 9) A flight check should be performed by a properly certified pilot.
- 10) When necessary, waterproof the light assembly to aircraft. Apply single part silicone (RTV) or equivalent around any open area where water could get in.
- 11) Update aircraft records and complete Form 337.
- 12) Obtain FAA field approval for installation.





90193 - ( ) PARTS LIST		
ITEM	DESCRIPTION	PART NUMBER
9	#6-32 X 5/16 100°CSK PFHMS	14-0050563-25
8	GASKET (W1283)	38-0230021-00
7	LAMP, 28V (W1290-28)	34-0428020-65
6	LENS, RED (W1284-R)	68-4230020-50
5	LENS, GREEN (W1284-G)	68-4230020-40
4	GASKET, FLASHTUBE JPAT (.250 THK)	38-0130878-00
3	RETAINER/LENS ASSEMBLY	02-0350667-35
2	FLASHTUBE ASSEMBLY	36-0050652-00
1	BASE PLATE ASSEMBLY, WINGTIP LT	02-0350665-00
	ANTI-COLL/POSITION LT. ASSY. (RED)	01-0790193-01
	ANTI-COLL/POSITION LT. ASSY. (GREEN)	01-0790193-00

## 90193 - ( ) ANTI COLLISION / POSITION LIGHT ASSEMBLY

MS 3116F10-6P CONNECTOR WIRING	
POS A	- ANODE
POS B	- TRIGGER
POS C	- (+) POSITION LT
POS D	- CATHODE
POS E	- N/C
POS F	- (-) POSITION LT