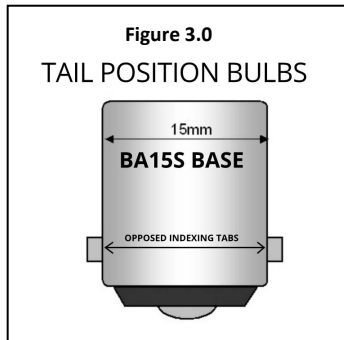
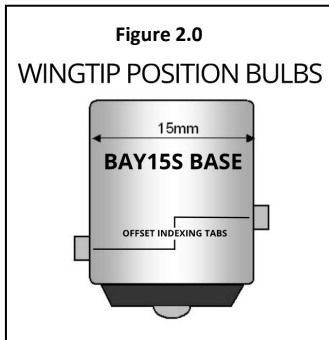
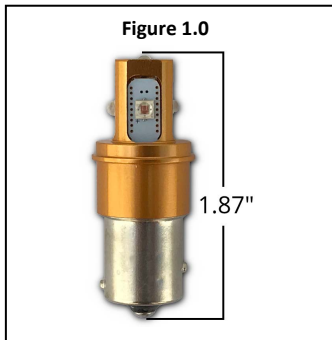


Stellar "GOLD" Series – LED Replacement Aircraft Position Lamps

THOROUGHLY READ THIS GUIDE, INCLUDING WARNINGS, BEFORE ATTEMPTING LIGHT INSTALLATION

PART #	Description	Bulb Base	Weight	VDC	Input Current
AL-7512SGS-G	Wingtip Nav - GREEN	BAY15S	0.30 oz.	10-30VDC	230mA @ 14VDC / 110mA @ 28VDC
AL-7512SGS-R	Wingtip Nav - RED	BAY15S	0.30 oz.	10-30VDC	230mA @ 14VDC / 110mA @ 28VDC
AL-93SGS-W	Rear Position - WHITE	BA15S	0.30 oz.	10-30VDC	230mA @ 14VDC / 110mA @ 28VDC



IMPORTANT: It is imperative to inspect and replace each lens cover gasket if evidence of deterioration/cracking/dry-rot is noted. This gasket is the environmental seal for the bulbs and its function is critical to inhibit water ingress to the LED which can cause premature failure of the LED bulb assemblies and will void warranty replacement claims.

INSTALLATION PROCEDURES:

- Remove existing bulb from fixture per instructions in your maintenance manual. Retain all OEM hardware.
- Before proceeding, verify your currently installed wingtip lamp is a pn# A7512, with a **BAY15S** base, or other approved alternate for this lamp. (Reference **Figure 2.0** to verify your existing lamp base style). The BAY15S has two (2) offset indexing tabs that are mandatory for proper installation in the wingtip light fixture.

WARNING: DUE TO THE OFFSET "INDEXING" TABS ON THE BASE, THE BULB WILL ONLY FIT ONE WAY.
 DO NOT FORCEFULLY PUSH OR TWIST BULB INTO WINGTIP SOCKETS OR DAMAGE TO BULB WILL LIKELY RESULT.

- Align the indexing tabs on bulb with slots in the wingtip socket. Gently press the LED bulb into the socket while rotating the bulb in a clockwise direction. If properly aligned, bulb should twist approximately 20 degrees and seat in the socket. IF THE BULB WILL NOT TWIST, DO NOT FORCE. Remove the bulb and rotate it 180 degrees and repeat step 3.
- To replace the rear position light mounted on tail, repeat step 1.
- Verify the lamp base on the removed bulb is a BA15S and is consistent with that in **Figure 3.0**
- To install, align the indexing tabs on bulb with slots in the tail position light socket. Gently press the LED bulb into the socket while rotating the bulb in a clockwise direction (BA15s Base only).
- Test the aircraft Position Light circuit via the appropriate procedures to verify the new lamps function.
- Reinstall all lenses and hardware in the reverse order from how it was removed.
- Test the full frequency spectrum of your aircraft's Communication and Navigation equipment to verify no adverse interference due to EMI or RFI while the light is in the ON position.
- Make entry in appropriate maintenance record log, if applicable.
 Note: Retrofit installations have negligible affect to Aircraft Weight & Balance.

WARNING: Pursuant 14CFR§21.9, this article is not suitable for installation on a type-certificated product.

WARNING: A compass swing MUST be performed, notating the compass position error with the LED lights in the ON and OFF position.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

Interval:	Action:	Remarks:
Every Flight	<ul style="list-style-type: none"> Perform function check of lamp(s) 	If lamp is found defective, discontinue aircraft operation between sunset and sunrise until serviceable replacement lamp has been installed.
100hr	<ul style="list-style-type: none"> Perform function check of lamp(s) Inspect each light assembly for evidence of moisture/condensation beneath outer lens. 	<ul style="list-style-type: none"> Replace defective lamp before return to service. Replace lens gasket on condition when evidence of moisture in noted
Annually	<ul style="list-style-type: none"> Perform function check of lamp(s) Inspect each light assembly for evidence of moisture/condensation beneath outer lens. 	<ul style="list-style-type: none"> Replace defective lamp before return to service. Replace lens gasket on condition when evidence of moisture in noted