

ALPHABEAM® III

LED Landing Light



FEATURES

- Solid State Light Emitting Diode (LED) Light Source
- FAA-PMA approval pending
- Drop in replacement for Q4559X, Q4559 and 4559 Landing Light
- Multi-stage optical system
- Meets all applicable environmental requirements of RTCA DO-160G
- Built in thermal protection
- Operates on 28 VAC 400 Hz*

APPLICATIONS

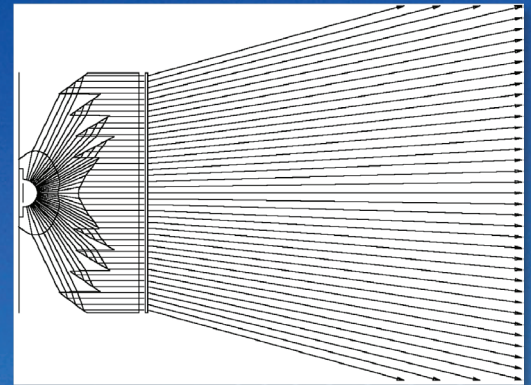
- LED Landing Light

GENERAL CHARACTERISTICS	LANDING LIGHT 2307560-1
Light Source	LED
Lumens in the Beam Cross-section (Note 3)	15,000
Bulb Size	PAR 64 (20.32 cm/8.00 in)
Aircraft Electrical Interface	Screw terminal
Operating Voltage	28 VAC 400 Hz
Wattage	160 Watts
Field of View	16° horizontal/ 16° vertical
Operating Temperature	-55°C to +70°C
Storage Temperature	-55°C to +85°C

*DC version to be released in 2017

APPLICATION NOTES

1. Total Internal Reflection lens utilizes a high performance multi-stage optical system, consisting of primary and secondary optics that efficiently re-distribute light uniformly across the entire beam pattern.
2. Built in thermal protection prevents damage or accelerated degradation to the LED during extreme high temperature operation. The unit continuously monitors the temperature of the LED and will decrease power consumption during a high temperature event protecting the LED. Normal power consumption will resume once the high temperature condition elapses.
3. Lumens in the Beam Cross-section is that portion of the radiated visible energy which is emitted by the multiple LED light sources captured by the optical system and distributed uniformly over the cross-sectional area of the outgoing light beam.



Multi-Stage Optics

FAA-APPROVED AIRCRAFT

MAKE	MODEL	EXISTING LANDING RECOGNITION LAMP
Boeing	737, 747, 757, 767, 777	4559, Q4559, Q4559X
Gulfstream	GIII, GIV, GVII	4559, Q4559, Q4559X

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