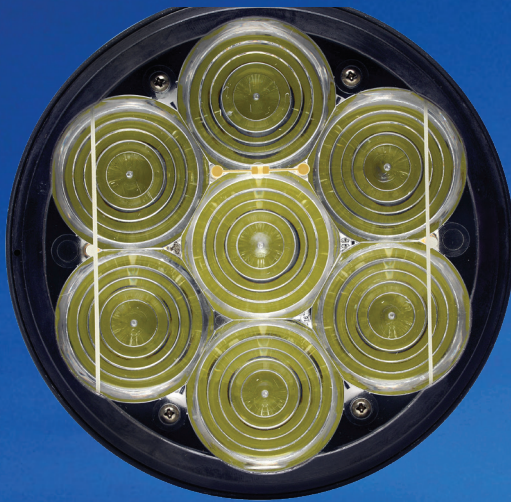


**FAA-PMA
APPROVED!**

P/N 2307490-1

ALPHABEAM® II

LED Aviation Light



FEATURES

- Solid State Light Emitting Diode (LED) Light Source
- FAA-PMA approved
- Drop in replacement for for Part 25, Part 27 and Part 29 model aircraft and rotorcraft. See www.teledynelighting.com for approved models.
- Multi-stage optical system
- Meets all applicable environmental requirements of RTCA DO-160G
- Built in thermal protection
- Anti-Icing Lens
- Operates on 28VDC

APPLICATIONS

- Landing Light
- Recognition Light
- Spot Light

GENERAL CHARACTERISTICS	LANDING LIGHT 2307490-1
Light Source	LED
Lumens in the Beam Cross-section (Note 4)	5,600
Bulb Size	PAR 46 (14.61 cm/5.75 in)
Aircraft Electrical Interface	Screw terminal
Operating Voltage	28 VDC
Wattage*	70W Typ.
Field of View	10° horizontal/ 10° vertical
Operating Temperature	-55°C to +85°C
Storage Temperature	-55°C to +85°C

*Without De-Icing Heater function on

TELEDYNE
LIGHTING & DISPLAY PRODUCTS
Everywhereyoulook™

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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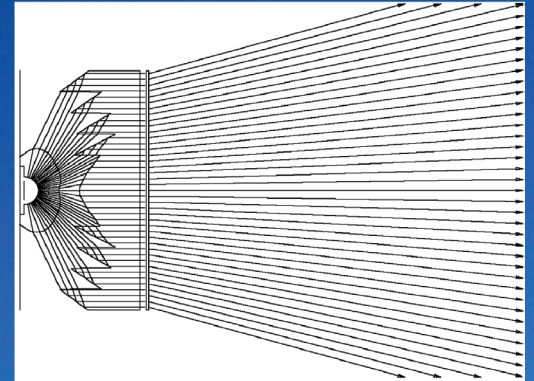
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Approved for Public Release SP/016/14 Rev 5

Rev. 8-28-15

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. Intelligent Active Anti-Icing, designed into the Alphabeam prevents ice build up on the glass lens cover during all flight and taxi where icing is present. The unit continuously monitors the temperature of the glass and activates an optically clear resistive heating element built-in to the glass cover when outside air temperature achieves $+5^{\circ}\text{C}$ and below. During the heater operation, the Alphabeam will consume 30-40 additional watts. Once the heater circuit completes its anti-ice cycle, the unit automatically returns to its normal power rating.
4. 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

ENGINEERING LIGHT FOR BETTER PRODUCTS


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