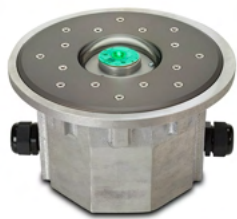


AC INSET PERIMETER LIGHT 120V TO 277V - NVG COMPATIBLE

HP1700 SERIES



AC INSET PERIMETER
LIGHT
DISCONTINUED 1ST GENERATION



This newly redesigned Inset perimeter light is the latest addition to the FEC Heliports line of high quality LED lights.

Perimeter lights are one of the most important safety features on your heliport. They are used to mark and illuminate the FATO and TLOF as well as to help the pilot locate the pad and safely and during night operations and inclement weather conditions. The Inset light is used in place of an elevated heliport perimeter light at locations where the lights are frequently knocked down by aircraft and or maintenance vehicles. These lights are strong enough to drive over without damaging the light.

KEY FEATURES:

- Mil-spec anodized cast aluminum body suitable for the harshest environments
- Pre-wired for quick and easy installations
- Standard color in Anodized Grey
- Anodized Blue, Red, and Gold finish are special order

TECHNICAL DETAILS

OPERATING VOLTAGE:

120V/277V, 50/60Hz

OPERATING POWER:

6 Watts @ 0.350ma

OPERATING TEMPERATURE:

- 40°f to 131°f
- 40°c to + 55°c

OPERATING LIFESPAN:

LED's Rated to 50,000 hrs

LIGHT SOURCE:

1x Osram Visible LED
3x Osram IR Diodes

STANDARD PART NUMBERS:

HP1790G True Green (528nm)
HP1705G Blue (470nm)
HP1704G White 6000K
HP1707G Yellow/Amber (590nm)
HP1782G Red

AC INSET PERIMETER LIGHT 120V TO 277V - NVG COMPATIBLE

PHOTOMETRIC:

Standards
U.S. Department of Transportation, Federal Aviation Administration,
Memorandum, Heliport Perimeter Light for Visual Meteorological
Conditions. Engineering Brief No. 87

Parameter	Requirement	Measured	Result
Min. Peak Intensity	5 cd from 16° - 90°	12.6 cd	Pass
Min. Peak Intensity	10 cd from 0° - 15°	23.3 cd	Pass
Min. Avg Intensity	15 cd from 0° - 15°	46.7 cd	Pass

cd = Candela

Standards
International Civil Aviation Organization (ICAO):
Aerodromes, Annex 14, Volume 2, Fourth Edition, dated July 2013
Aerodromes, Annex 14, Volume 1, Seventh Edition, dated July 2016

Parameter	Requirement	Measured	Result
Min. Peak Intensity	3 cd from 21° - 90°	12.6 cd	Pass
Min. Peak Intensity	8 cd from 13° - 20°	96.1 cd	Pass
Min. Peak Intensity	15 cd from 11° - 13°	51.5 cd	Pass
Min. Peak Intensity	30 cd from 6° - 10°	41.7 cd	Pass
Min. Peak Intensity	15 cd from 2° - 5°	30.9 cd	Pass

Test Purpose - Performance Testing (Photometry and Chromaticity)
Test Dates - December 11, 2018

STANDARDS AND CERTIFICATIONS:

- FAA EB#87, L-860HR & HS
- FAA AC 150/5390-2 (Latest Rev.), Heliports Design Guide
- ICAO Annex 14, Volume II
- UK CAP 437
- UK CAP 1264

PHYSICAL CHARACTERISTICS:

Overall Dimensions:

- Height Above Surface: 1.0"
- Body: 6 1/2" to 4 3/4"
- Mounting Flange: 10" Diameter

Mounting Pattern:

- 7 3/4" BHC, 8 equally spaced 1/4" holes, 82° C-Sink

Flange Material:

- 6061-T6, QQA-200/8

Body Material:

- 356-T6 Aluminum Alloy

Lens:

- Tempered Borosilicate

Hardware:

- 18-8 Stainless Steel

Finish:

- Hard Anodized per MIL-A-8625, Type II, Class 1

Mounting Can:

- Height 6-5/8 inches (168.27mm)
- Outside Diameter 11 inches (279.4mm)
- Inside Diameter 8-1/2 inches (215.9mm)