

AC GROUND MOUNTED PERIMETER LIGHT 120v to 277v - NVG Compatible

HP1700 SERIES

*DISCONTINUED
1ST GENERATION*



AC GROUND MOUNTED
PERIMETER LIGHT

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

Perimeter and Obstruction lights are one of the most important safety features on your heliport. They are used to mark and illuminate the FATO, TLOF, and Obstructions as well as to help the pilot locate the pad and safely land during night operations and inclement weather conditions.

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

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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

Internal 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°	36.1 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

Certifications & Compliances:

- ETL Listed to UL1598 at -40° c to +55°c
- ETL Listed to CSA C22.2 NO. 250.0-08
- 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: 4 ¼"
- Body Diameter: 6 ½"
- Mounting Flange: 8.0"

Mounting Pattern:

- 7 1/6" BHC, 4 equally spaced 5/16" holes

Flange Material:

- 6061-T6, QQA200/88
- 356-T6 Aluminum Alloy

Lens:

- Tempered Borosilicate

Hardware:

- 18-8 Stainless Steel

Finish:

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

Ground Mounting Details

