

## AC POLE MOUNTED PERIMETER LIGHT 120v to 277v - NVG Compatible

### HP1700 SERIES

*DISCONTINUED  
1ST GENERATION*



**AC POLE MOUNTED  
PERIMETER LIGHT**

This newly redesigned Pole 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
- Annodized 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:**

- HP1790P True Green (528nm)
- HP1705P Blue (470nm)
- HP1704P White 6000K
- HP1707P Yellow/Amber (590nm)
- HP1782P 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

### Standards & Certification:

- 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

#### Light Fixture:

##### Dimensions:

- Height 5 inches(127mm)
- Lid Diameter 6-1/2 inches(165.1mm)

##### Materials:

- Lens Tempered Glass
- Casting 356 T6 Aluminum Alloy

Notes: All machining on the Aluminum casting is done in house by FEC Heliports

#### Mounting:

- 1"(25.4mm) NPT located on the bottom of each pole light

##### Materials:

- Casting 356 T6 Aluminum Alloy
- Notes: All machining on the Aluminum casting is done in house by FEC Heliports
- Light: 6lbs.

### Pole Mounting Details

