



## FEC HELIPORTS & HELIPORT EQUIPMENT

Designed, Manufactured and Installed...we do it all.

### 120v to 277v NVG Ground 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.

#### Technical Details

**Operating voltage:** 120V to 277V, 50/60Hz

**Maximum Power Consumption:** 6 watts, .2 amps @ 120V  
6 watts, .1 amps @ 277V  
350mA constant current supply

**Operating temperature:** - 13F to 122F  
- 25C to +50C

**Operating LED Lifespan:** Rated at 50,000+ hours

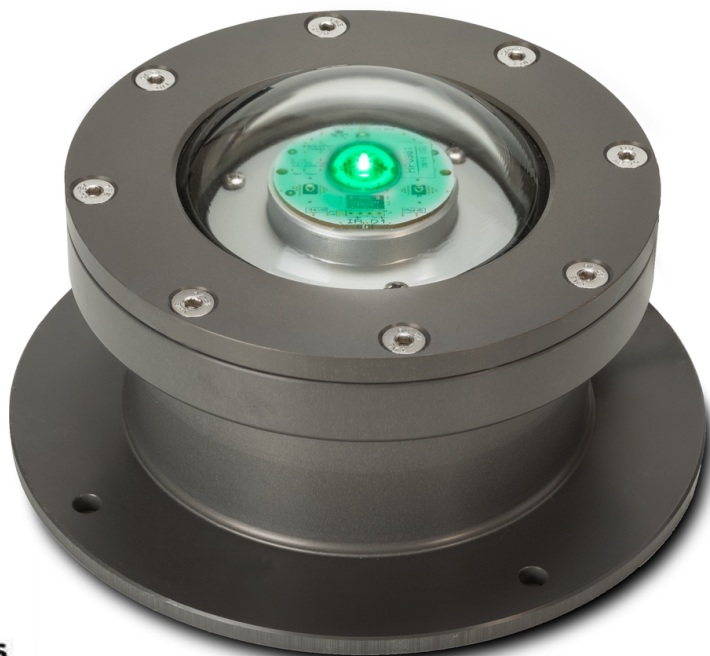
**Light Source:** Omni-directional LED Lamp  
1x Osram OSLOM SSL 150 LED w/ Custom Optic  
3 IR LEDs (IR LEDs 850nm)  
2"(50mm) diameter aluminum circuit  
RoHS and 94VO compliant

#### Standard Part Numbers:

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

#### 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
- Blue, Red, and Gold are special order





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### Physical Characteristics

#### Light Fixture:

##### Dimensions:

Height	4-1/4 inches(107.95mm)
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 Flange:

##### Dimensions:

Height	1/4 inch(6.35mm)
Outside Diameter	8 inches(203.2mm)
Bolt Hole Diameter	7-1/16 inches(177.8mm)

##### Materials:

Casting	356 T6 Aluminum Alloy
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**Notes:** All machining on the Aluminum casting is done in house by FEC Heliports

**Light:** 6lbs.

#### Photometric:

Elevation	Measured Intensity
20° < E < to 90°	20 cd
13° < E < to 20°	50 cd
10° < E < to 13°	55 cd
05° < E < to 10°	45 cd
02° < E < to 05°	40 cd

### Standards & Certification:

#### INTERTEK:

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

- International Civil Aviation Organization (ICAO), Aerodromes, Annex 14, Volume 2, Fourth Edition, dated July 2013

- International Civil Aviation Organization (ICAO), Aerodromes, Annex 14, Volume 1, Seventh Edition, dated July 2016

CAP 437 design criteria

