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## HL-492 6" Helideck Semi-Flush Perimeter Inset Light

### Compliance

FAA AC 150/5390-2B Heliport Design Guide  
ICAO Annex 14, Volume II  
UK CAA CAP 437, Chapter 4, paragraph 3.1  
Transport Canada TP14371, AGA 7.17

### Applications

Semi-flush perimeter light helps mark helipad touchdown and lift-off area (TLOF) and/or final approach and takeoff area (FATO) for metal helidecks and pavement heliports.

### Why Our HL-492 is Better

- Recessed, semi-flush mounted, allows for obstruction-free movement of equipment and personnel.
- Small 6" fixture easily drops into metal helideck, fastens with 4 bolts.
- Corrosion resistant anodized finish suitable for marine environments and available in many different colors.
- Fixture sealed to bottom cover to prevent moisture intrusion.
- Lightweight and robust aluminum alloy construction.
- Prism removal and replacement achieved without need for adhesives or sealants.
- Pre-focused optics simplify maintenance.
- Energy saving, uses less than 4W.
- Power adapter included.
- Low maintenance - LED light source has 50,000 hour lifetime (50X longer than halogen).
- Monochromatic output of LEDs is more conspicuous than halogen.
- Pilots prefer LED over halogen because of increased visibility.
- Available in 12-24 VDC or 120 VAC versions.
- Direct retrofit, drop in replacement. Factory retrofits available for your existing halogen fixtures.
- With our Dimming Controller option, the lights can be dimmed at night to reduce glare - select from three brightness levels.



Custom color matching is available to meet your design specifications

- Available for non-heliport applications such as architectural lighting.

### Specifications

- Anodization: Aluminum Fixtures, machined stock 6061T6. Anodize Mil 8625 Type III, 1 mil thick.
- Testing Facilities: Salt Fog, Salt Spray, and Cyclic Corrosion Testing. Mil Std 810G.
- Low profile: .86" (base can mounted), 1.11" (helideck mounted).
- Bolt circle: 5.25"
- Light channel within .2" (5mm) of grade.
- Color beam variations achieved by dichroic coating.
- Exceeds L-861 photometric requirements when used as a medium intensity clear runway edge light.
- Lamp bypass options available if required.
- 2" base can assembly 3.1 lbs. (1.4 kg), 4" base can assembly 3.75 lbs. (1.7 kg). Carton size: .3 cu. ft. (.008 cu. meters); 8" (d) x 8" (w) x 8" (h) (203mm (w) x 203mm (d) x 203mm (h))



### Visible/Infrared LED Option

- Night Vision Goggle (NVG) compatible.
- Optical Specifications:
  - Infrared Output:
    - Exceeds SAE Aerospace recommendations for Landing/Taxi Lights.
    - Usable beam width: 55° to 125° vertical, 360° horizontal.
    - Output wavelength: 850nm.
  - Visible Output:
    - Exceeds ICAO requirements for green LEDs (see photometric chart).
    - Usable beam width: 30° vertical, 360° horizontal.
    - Output wavelength: 530nm.
- Electrical Specifications:
  - Input voltage range: 100 to 240 VAC.
  - Input frequency: 50 or 60Hz.
  - Input current: 40mA AC.
  - Input power to the fixture: 10W.
  - Fixture is internally grounded.

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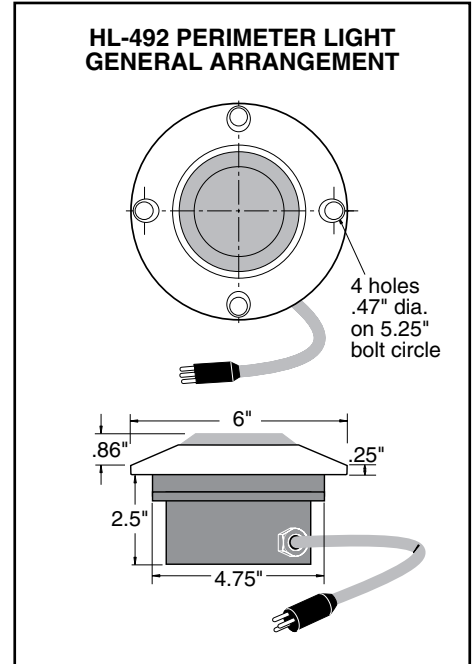
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## HL-492 6" Helideck Semi-Flush Perimeter Inset Light

### Bottom Cover Assembly

Available in 2" or 4" depth. Either can be built to support bottom or side power connection entry.



### Photometric Comparison with ICAO Requirements

Vertical Angle (Deg)	Avg. Intensity (Cd)	ICAO Spec (Cd)
2	70.8	15
5	66.5	30
10	48.3	15
13	36.6	8
20	23.9	3

### Base Can

An optional 6" deep base can is available for pavement installations.  
 Part #: 35-525-6

### Ordering Codes

Fixture	Output Color*	Lamps	Bottom Cover Depth	Custom Color***
HL-492	G: Green (std) Y: Yellow R: Red B: Blue C: Clear IR: Infrared	LP: 120V/240V LED** LV: 12V LED LVD: Dimming 12V LED	2: 2 inches 4: 4 inches	G: Green BK: Black B: Blue R: Red Y: Yellow (hard gold)
HL-492				

\* Green is currently the recommended output color for heliport perimeter lights. Infrared can be used in conjunction with color LEDs.  
 \*\* Color LED with clear prism. Power adapter included, 120V/240V.  
 \*\*\* Gray anodized is the standard finish.

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