How to Specify the HL-590L LED  
Helideck Surface Mount Perimeter Light

The fixture shall be model HL-590L-(LED color)-(voltage) as marked by Flight Light Inc.

**Construction:**

• The fixture height shall not exceed 4.175" [10.6 cm].

• The fixture shall be omnidirectional.

• The fixture shall be 304 stainless steel with nitric acid passivation.

• Hardware shall be 316 stainless steel.

• The fixture shall have a modular design comprised of 3 major parts: Mounting Plate, Bottom Casting and Top Casting. The Bottom and Top Casting are sealed by means of a Prism Clamp and O-ring.

• The Mounting Plate shall be square 6" x 6" [15.2 x 15.2 cm] and .19" [.48 cm] thick.

• Fixture shall be ground mounted.

• The fixture shall include 48" [122 cm] of UL SO Cable 16AWG.

**LED/Light Cavity:**

• LED and lens shall be field replaceable.

• LED lifetime expectancy: 50,000 hours.

• Power consumption shall not exceed 7.2VA for AC lights, 4W for DC lights, 10.8VA for IR AC lights and 7.2W for IR DC lights.

• Infrared output wavelength: 850nm

• Infrared output usable beam width: 55° to 125° vertical, 360° horizontal

• Visible output wavelength: 530nm

• Visible output beam width: 30° vertical, 360° horizontal

**Compliances:**

• Buy American Act Compliant

• FAA AC 150/5390-2C Heliport Design Guide

• Optical performance exceeds FAA Engineering Brief 87 Specifications

• Transport Canada TP14371, AGA 7.16

**Options (to be specified per each project):**

• Infrared (must be used in conjunction with visible LEDs)

• Dimming (only available with the Flight Light controller)