



APPLICATION



LED Heliport Inset Light

AL-HP-I Serial

Heliport Inset light always to be installed at locations where the lights are frequently knocked down by aircraft or maintenance vehicles.

It could be used as Aiming point light, perimeter light of FATO (Final approach and take-off areas), TLOF (Touchdown and lift-off areas), taxiway, Flight path alignment guidance lighting, etc. The emitting colour is green or yellow or white or blue.

8inch International standard mounting for aerodrome inset light.

Compliance

- ICAO Annex 14 Volume II Heliports 5.3.
- FAA AC 150/5390-2B Heliport Design Guide
- CAAC MH 5001-2013 Aerodrome technical standards
- CAAC MH 5013-2014 Technical Standards of Civil Heliports

Features

Electrical

- Ultra high intensity CREE LED as light source saving power consumption and maintenance, 95% less power than equivalent incandescent light
- Power supply available in AC(110-240VAC), DC48V

Physical

- Pressure resistance lens allowed the vehicles go through on light
- Die-casting Aluminium covered by colour powder coated which have good corrosion protection and load bearing.
- IP68 waterproof ensure light work fine underground

Optional

- Infrared LED for pilot using NVG(Night Vision Goggles)
- Controller for power supplying and turn ON/OFF light
- VHF pilot to ground remote control
- Light intensity adjustable
- Solar Power System

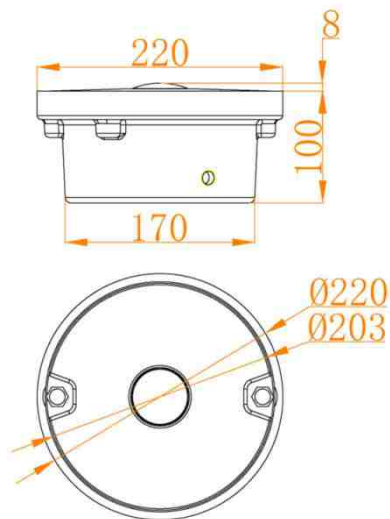
Application

- Helipad/Heliport TLOF areas
- Heliport FATO areas
- Helipad Runway
- Helipad taxiway
- Aiming point light

LED Heliport Inset Light

AL-HP-I Serial

Dimension



Heliport Lighting on roof of building



Mounting Container is included in our offer

SPECIFICATIONS

AL-HP-I Serial LED Heliport Inset Light

Light Characteristics

Light Source	CREE Ultra high intensity LED
Available Colors	Green, White, Yellow, Blue, Red
Intensity(cd)	ICAO standard, refer to Photometric table
Horizontal Degree(°)	Omni direction (360°)
Vertical Degree(°)	ICAO specification
Flash Characteristics	Steady burning
Operation Mode	24hours operation
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	110-240VAC, 48VDC, 24VDC or others
Power(W)	≤8.5W

Physical Characteristics

Body Material	Die-casting aluminum
Overall size(mm)	Ø 220×100
Installation size(mm)	Ø 220×100-M10*2
Weight(kg)	4
Product Life Expectancy	≥10 years

Environmental Factors

Ambient Temperature(°C)	-55~70
Humidity	0~100%
Waterproof	IP68

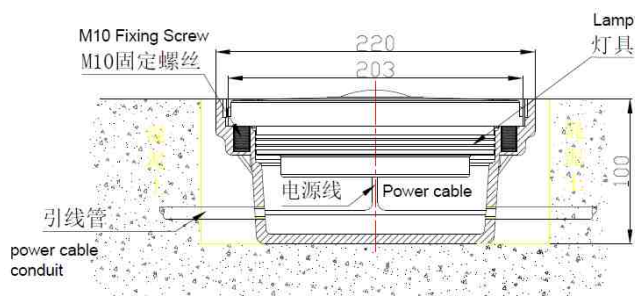
Compliance

ICAO	ICAO Annex 14 Volume II Heliports 5.3
------	---------------------------------------

Options Available

Infrared LED compatible for NVG (Night Vision Goggles)
Light intensity adjustable
VHF pilot to ground remote control
Solar Power System

Installation



Model Configuration

Model	Application	Emitting color	Beam angle
AL-HP-I-TLOF(L)	Touchdown and lift-off area lighting	Green	omnidirectional
AL-HP-I-F(L)	Flight path alignment guidance lighting	White	omnidirectional
AL-HP-I-FATO(L)	Final approach and take-off area lighting	White	omnidirectional
AL-HP-I-A(L)	Aiming Point Light	White	omnidirectional
AL-HP-I-IR	Heliport Lighting	Infrared	omnidirectional
AL-HP-I-TA(L)	Taxiway Light	Blue	omnidirectional

Photometric

Application	Vertical Degree(°)	AL-HP-I Average Light Intensity (cd)	ICAO Standard
Touchdown and lift-off area lighting	20° <E 90°	27.1	3
	13° <E 20°	54.6	8
	10° <E 13°	50.5	15
	5° <E 10°	44.6	30
	2° E 5°	38.4	15
Flight path alignment guidance lighting	20° <E 90°	66.6	3
	13° <E 20°	158.7	8
	10° <E 13°	149.3	15
	5° <E 10°	137.9	30
	2° E 5°	109.9	15
Final approach and take-off area lights and aiming point lights	0°	83.1	10
	3°	106.7	100
	10°	145.2	100
	20°	163.9	100
	25°	182.2	50
	30°	180.5	10