

FATO(L) Final Approach and Take Off Area light

Ensuring Every Landing is Secure with Our High-Performance Helipad Lighting Systems.

ART-HP-I-FATO (L)



HELIPAD LIGHT



Final Approach and
Take Off Area Light

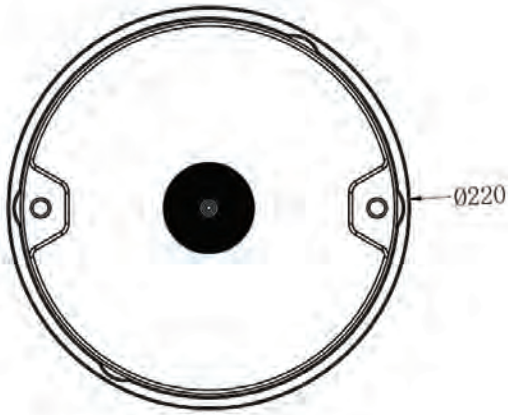
FINAL APPROACH AND TAKE OFF AREA LIGHT

ART-HP-I-FATO (L)

Product Introduction

ART-HP-I-FATO (L) Final Approach and Take Off Area light, the base is made of high-strength aviation aluminum, which has strong load-bearing capacity and high toughness. The light source adopts high efficiency patch LED with optical glass structure, which has the characteristics of high brightness and long life. The control circuit has strong anti-lightning ability and anti-surge protection device, which can be applied to harsh working environment.





Application Environment

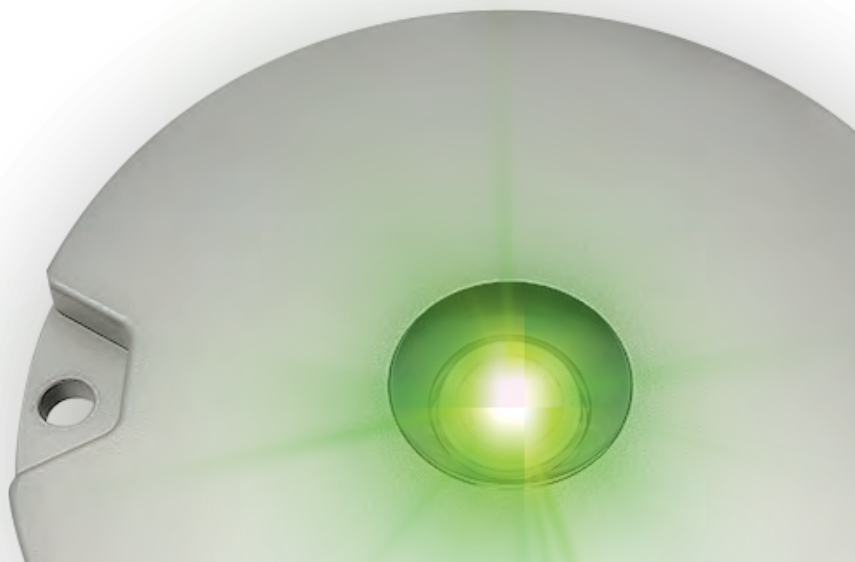
Ground helipad, steel helipad, roof helipad, ship helipad, emergency rescue helipad, military helipad, UAV helipad and various low-altitude flight fields.





Function & Features

- The shell is made of high-strength aviation aluminum casting, fully sealed structure.
- Adopt high power SMT LED chip, which have the specific of high brightness, low power consumption and long long lifespan.
- Adopt with independent research and development advanced optical lighting system, Spotlight angle meets GACA and ICAO requirements.
- With surge protection device, which can adopt to extremely bad working environment.
- Adopt advanced high thermal conductive stoving varnish technology, which provide excellent heat dissipation, it can shortage lamp's weight and volume efficiently.
- With the impact resistance, anti lightning, resistant to sunlight, anti snow, can resist typhoons, hail and other severe weather.
- With over-current protection function.
- Super industrial working environment temperature $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$, waterproof grade up to IP66.



General Specifications

Performed Standard	GACA	MH 5001-2013 and AC-137-CA-2017-01-R1
	ICAO/GACA	ICAO Annex 14 Volume I The 8th Edition
	FAA	Advisory Circular 150/5345-43J
Model	ART-HP-I-FATO (L)	Vertical Divergence
Power Supply	AC220V	Horizontal Out-put
Power Frequency	50HZ~60HZ	Overall Size
Average Power	≤9.5W	Installation Size
Working Mode	Steady Light	Ambient Temperature
Emitted Color	White	Weight
Light Source	LED	Wind Load
Shell Material	Aluminum Alloy	Optical Mirror Material
Light Source Lifespan	≥200000h	Protection Grade
Surge Protection Rating	3KA	Relative Humidity
Get Wet in the Rain	Can be exposed to rain in any wind direction	Salt Spray
Radiation	Can be exposed to solar radiation	Insulation Characteristic
Seismic Resistance	10~500Hz,2G10min/cycle, XYZ 60 minutes for each axis	EMC Standards
Mean Time Between Failure	≥200000h, MIL-HDBK-217F(25°C)	Leakage Current
Electric Shock Protection	Has	Altitude
Effective Intensity	/	
Photocell Stage	/	

Helipad Lighting

Airport Design and Operation

0~30°

120°

220mm×220mm×141 mm (L*W*H)
including inset frame

230mm×230mm×161 mm

-40°C~+55°C

5.3kg Including Inset Frame

240km/h

Optical Glass

IP68

0%~95%

Can be exposed to Salt Spray

Between the input end and the shell:
1.414kVDC, 10s no breakdown

Emitted:EN55022(CISPR22) class
A harmonic wave:EN61000-3-2,-3

<10uA

≥5500m

Usage Notice

- Don't use any out of nominal voltage, or will destroy equipment.
- Do not open it if the device is out of operation, in order not to be hurt by the internal high pressure.
- After finished the installation, the personnel must check whether the device is in a good waterproof processing and whether the screw spikes are tightened.
- Non-professional workers can not do the device maintenance, in order not to expand the error and be hurt.





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