



Description:

AH869 Heliport Flood light has been specifically designed for helipads to provide uniform surface lighting where the TLOF and FATO lights need to be supplemented with floodlighting.

The Surface Floodlights are designed to satisfy all the ICAO required performances: they will provide the correct Touchdown and Lift-Off area illumination, as alternative or as integration of the perimeter lights, with a minimum of 10 cd/m², the maximum height is 13cm, less than the required 15cm, to increase safety during hovering/ final approach operations, the two pivoting lamp holders provides the correct illuminations in any installation, aside from helipad shape and light positioning defenses on the lamp prevent the pilot from dazzling or direct light

The floodlights are normally installed along the perimeter of the Touchdown and Lift-Off area. They can be fixed on a special base by means of screws or bolts, or directly to the ground and must be carefully oriented, in order to achieve the most effective spreading of the light.

The LED optic is specifically designed for helipad operations, and distributes the light evenly across the wide helipad surface. The angle of tilt of the LED luminaire can be easily adjusted to focus the light on the helipad to maximize illumination. The optic hood further prevents potential glare to pilots upon approach and will help the pilot to obtain the right information about state and quality of surface. It will be easier to detect obstacles or objects present on the surface. This light will help to detect snow, sand, or other possible disagreements for pilots

Housed in a weatherproof, powder-coated yellow aluminium enclosure to withstand the harshest environments, the assembly has a low profile and is compatible with our standard frangible mountings. There are four mounting holes for easy installation on any surface.

Features:

- Optimized install with standard cable interface
- High power LEDs and period of use of LEDs is minimum 75,000 hours
- Light color: White - according to CIE Chromaticity Boundary
- Floodlight hood eliminates glare to pilots.
- Pre-wires for quick and easy to installations
- The orientation system is hinge type which can be orientated to the desired angle
- The fitting can be bolted on any flat surface with a frangible coupling
- With work stability, anti - electromagnetic radiation, anti - vibration, suitable for radar dense area.
- High-visibility yellow cast aluminum body, lens frame and mounting arm suitable for the harshest environments
- Metal guard to protect the lens.
- With the anti-surge protection device.
- The disperser is made of transparent PC with excellent impact resistance, good thermal stability (temperature resistance of 500°C), good light transmission (up to 97% light transmission), UV protected and aging resistance.
- Their maximum height is 130 mm to increase safety during landing/take-off procedures.
- The degree of protection IP66
- Nominal operating temperature from -30 to +70 °C





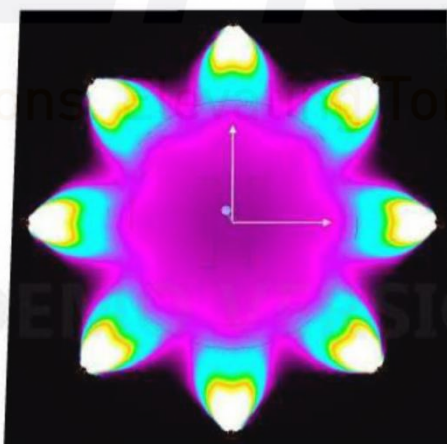
Specifications:

Name	Parameter
Power voltage	110-240V AC, 50~60Hz
Light Source	High Power LED
Optical structure	Reflective optical structure
Power Consumption	50W (optional 30W,70W or 100W)
Light source life	10000h
Working mode	Steady Burning
Luminous Flux	13000Lm
Emitting Light Colors	White
Body Material	Powder coated aluminum
Height above ground	Lower than 180mm
Overall Size(mm)	235*180*160
Packing size(mm)	240*190*120
Net Weight	1.3kg
Gross Weight	1.5kg
IP Protection	IP66
Temperature range	-30°C ~ 70°C
Humidity	< 95%
Altitude	< 4500M
Wind resistance	80 m/s
color temperature	6000K

Compliance with

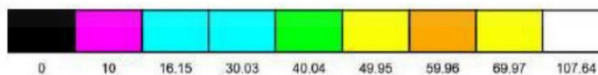
- Australia CASA
- CAAC-137-CA-2017-01
- ICAO Annex 14 Volume I July 2016
- FAA AC No.150/5345 -43F
- IEC:TS61827

Optical requirement

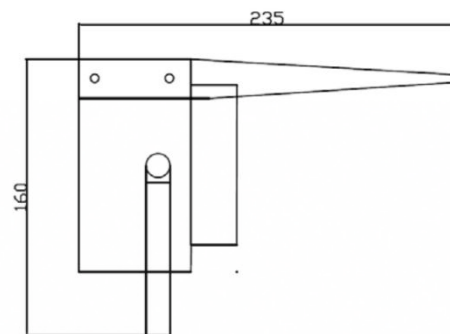
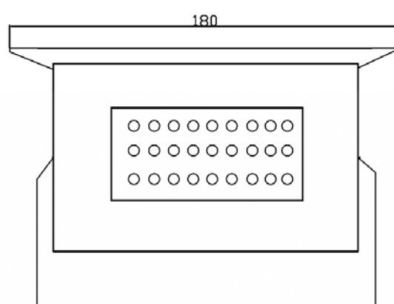


φ 24m-8 floodlights are evenly distributed

Lux



Mounting dimension(mm)



Installation

- ① Secure the light on a smooth surface which has enough strength with 4XM8 screws (50W) or 4XM10 screws(100W).
- ② Make sure the power supply can match the rated power of light before connecting.
- ③ Connect the power plug to the AC power, the light will start to work

Precautions

- Ensure that the power connection part is correct before using.
- Temperature rise when light working is normal phenomenon.
- The part of material of products is PC(like lamp cover and lamp shell), so it cannot direct or indirect touch the organic solvent, such as industrial alcohol, banana oil, isotropic alcohol, carbon tetra chloride, cyclohexanone and so on, otherwise, the product will be corrosion.
- Please do not look light horizontally to protect your eyes while the light is working.
- Please make sure that the ambient temperature conditions should match this product. Otherwise it will not work properly.
- This product is a sealed structure; Please do not be tampered with by anyone other than registered installer. Once found, we are not warranty

