



Description:

AH729 TLOF Inset Perimeter Light shell adopts die casting aluminum, and it is good at waterproof and heat dissipation. The light resource adopt high quality LED and cooperate with advanced optical glass design ,emitting angle meet FAA standard .They are used to mark and illuminate the TLOF as well as to help the pilot locate the pad and safely land during night operations and inclement weather conditions.

The Inset light is used in place of an elevated heliport perimeter light at locations where the lights are frequently knocked down by aircraft and or maintenance vehicles. These lights are strong enough to drive over without damaging the light.

The fixture can be powered by the use of a constant current regulator, CCR, the same type used for airfield lighting. However, it is more common to see helipads powered by 230/120 volts AC. This option simplifies and the supply voltage required is available from the local power infrastructure. Should there be a requirement for the fixtures to be powered from a 24VDC supply this option is available upon request

The new design of this Ground perimeter light is the latest addition to the FEC Heliports line of high quality LED lights. Perimeter and Obstruction lights are one of the most important safety features on your heliport. They are used to mark and illuminate the perimeter of your landing area (TLOF/FATO) to help the pilot locate the pad and safely land during night operations and inclement weather conditions.

TLOF lighting system is composed by green omnidirectional lights located on the TLOF boundaries: minimum of 14 lights for round areas or minimum 4 lights for square areas (maximum distance between beacons must not exceed 3 meters).

Features:

- Hermetically sealed optical assembly to mitigate condensation
- With work stability, strong anti-interference ability and shock resistance
- Engineered and designed to be universally compatible with any existing heliport lighting system
- Mil-spec anodized cast aluminum body suitable for the harshest environments
- With the anti-surge protection device.
- GREEN light - Steady burning
- Pre-wired for quick and easy installations
- Adopt independent encapsulation of high-power LED light source, which has the specific of high light brightness, long service life.
- IP68 compliant, water resistant fixture can be submerged in water for several days and still function properly.
- Impenetrable, factory epoxy potted LED driver and LED board cavity maximizes LED life.
- Waterproof gel wire connectors eliminate the need for crimping tools.
- Low profile, reduces the risk of damage to the fixture.
- Sturdy aluminum construction, stands up to heavy use.
- Standard hard anodized finish extends fixture service life.
- No RF-radiations

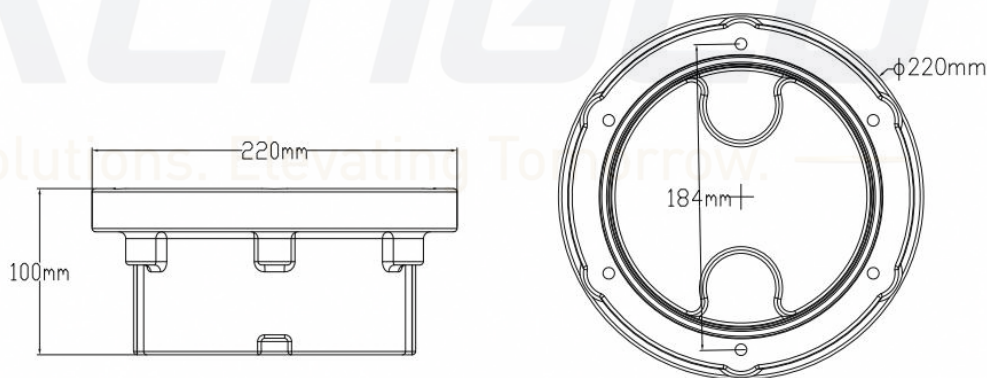




Specifications:

Item		AH729
ELECTRICAL CHARACTERISTIC	Max Intensity	≥30cd
	LED source	Imported green customized LED
	Light Source Service Life	100000hours
	Emitting Color	Green
POWER SUPPLY	Optional voltage	AC220V, AC120V, DC12-48V or 6.6A
	Average Power Consumption	10W
OPERATION	Working Mode	Steady-burning
	Supply Frequency	50HZ ~ 60HZ
MECHANICAL STRUCTURE	Net Weight	5.2kg
	Size	ø222mm(D)×115mm(H)
	IP Protection	IP68
	Ambient Temperature	-40°C ~ 55°C
	Humidity	0 ~ 100%
	Altitude	< 4500M
	Cable methods	Bottom/side entry
OTHERS	Warranty	2 years

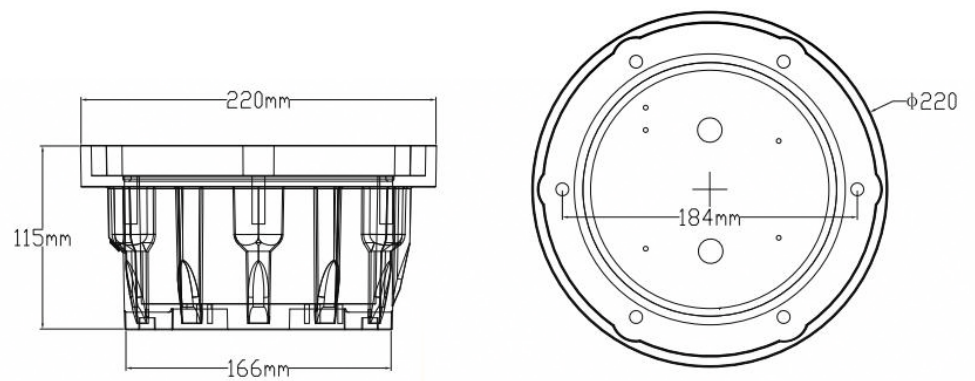
Mounting Dimension(mm)



SIDE ENTRY

Compliance with

- Australia CASA
- CAAC-137-CA-2017-01
- CAAC: MH5013-2023
- ICAO Annex 14 Volume I July 2016
- FAA AC No.150/5345 -43F
- IEC:TS61827



BOTTOM ENTRY

Installation

① When pouring concrete for the heliport foundation on site, pipes and cables should be pre buried, and PVC pipes of appropriate size should be fixed in advance at the location where the lighting fixtures are installed. After pouring, a hole should be formed.



② Install the lamp base at the hole position, backfill with concrete for the second time, fix the lamp base, and ensure that the lamp base is level with the ground.



③ The pre embedded cable runs through the waterproof joint of the lamp base and is connected to the built-in cable of the lamp. Cable wires can be connected using terminal blocks or wrapped with waterproof tape.



④ Install the fixture cables. Run fixture power cables to each base can, one red wire, one yellow wire, and one green wire (grounding) to each can.

⑤ Install the lamp on the base and fix it with bolts.

Precautions

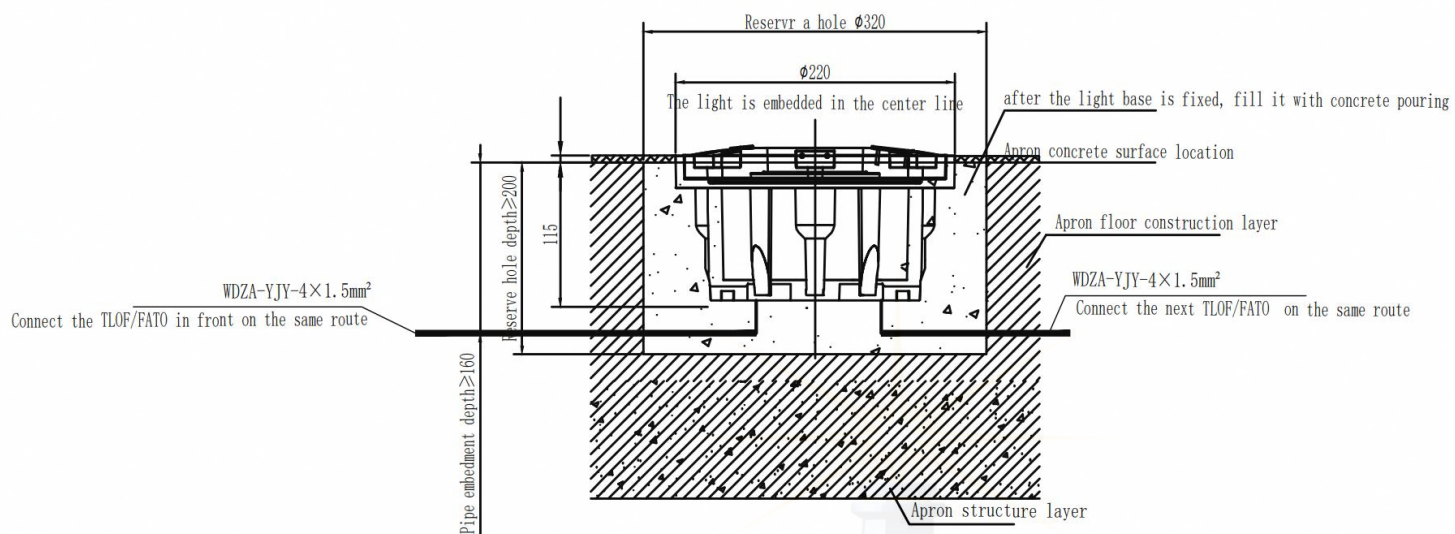
- Ensure that the power connection part is correct before using.
 - Temperature rise when light working is normal phenomenon.
 - The part of material of products is PC(like lamp cover and lamp shell), so it cannot direct or indirect touch the organic solvent, such as industrial alcohol, banana oil, isotropic 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

Application:

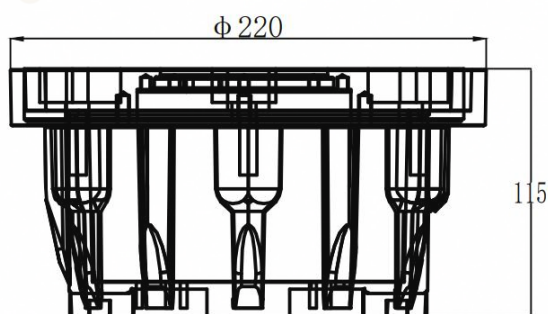
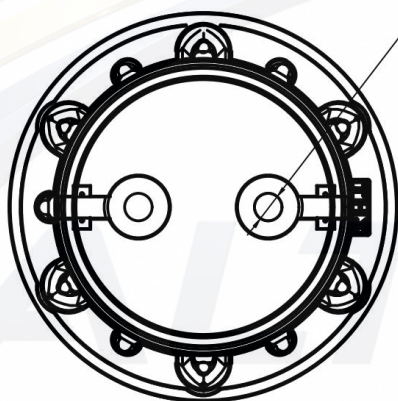
1. Airport
2. Heliport
3. Helideck Apron



Installation Diagram:



M18*1.5mm Grand(allowable cable diameter 6-10mm)



TLOF/FATO Light Installation Diagram

Note: Reserve a hole ($\phi 320$ mm, h=200mm), after the light base is fixed, fill it with concrete pouring