

LS730U(L)

Low intensity obstruction light, Type C



Products description and application

Design for the moving obstructions in the airport except air plan, such as all kinds of vehicles.

Features



- o Use Fresnel lens, high utilization of light, valid keeping light beam in the scope as required.
- o Based on LED technology, low power consumption, and high efficiency.
- o Use constant LED drive to prolong led life.
- o Lamp housing – Polycarbonate, with good anti-impact strength, thermal stability, high transmittance.
- o Die casting aluminium enclosure with powder-coat paint finishes, providing corrosion resistance and durability.
- o Built-in photocell can switch ON/OFF the light at dawn and dusk (optional).
- o Several mounting styles for selections, such as screws fixing, magnetic fixing.
- o Extremely Reliable – Major Maintenance Cost Saving.

General Specifications

Standard	CAAC	MH6012-2015, AC-137-CA-2017	Aviation obstruction light	
	ICAO	ICAO Annex 14 Volume I Eighth Edition	Airport design and operation	
Electrical parameter			Mechanical structure parameter	
Voltage	12-24VDC	III	Operation temperature	-40 °C ~ +55 °C
Rated Power	5W		Operation humidity	0%~95%RH
Power consumption	1.3W		Storage temperature	-55 °C ~ +70 °C
EMC	IEC61000-4-2 Contact discharge ±8kV		IP Rat	IP65
	IEC61000-4-2 Air discharge ±15kV		Material	Base: Die casting aluminum Housing: PC
	IEC61000-4-5 L-L: ±3kV		Weight	0.5 kg
	IEC61000-4-5 L-PE: ±6kV		Wire outlet method	Built-in lead cable
Optical parameters				
Intensity	40~400cd			
Vertical degree	≥12°			
Color	Amber			
Horizontal degree	360°			
Operation mode	Flashing 80FPM			
Flashing duration	200ms			
Lifespan	≥100,000h			
Photocell on/off level	366.7~645.8Lux			

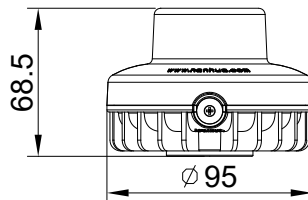
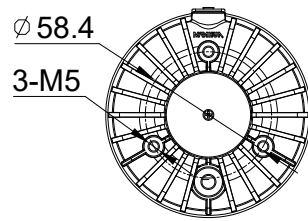
Mounting dimensions

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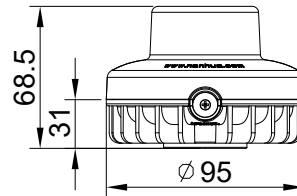
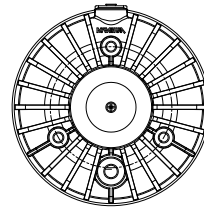
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Unit: mm

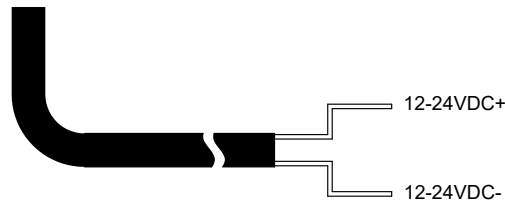


Flat Installation



Magnetic steel Installation

Wiring diagram



Installation and Operation

- Put the aviation obstruction light on the top of the obstructions according to its mounting type (magnetic or common type and horizontal installation).

1. Magnetic steel installation

- Directly fix it onto the surface of the magnetic metal.

2. Flat installation

Fix it onto the surface with 3pcs M5 bolts for the common mounting

- The obstacle lamp comes with its own lead wire and is fixed firmly.
- Make sure the voltage is the same with that of obstruction light.
- when the luminance is less than the switch value of obstruction light, the light will flash normally while when it is more, the light will stop automatically .

Note:

When the input voltage is in 12VDC:

If using 0.5mm² cable as incoming power cable , The maximum distance from the electrical cabinet to the light is 50m.

When the input voltage is in 24VDC:

If using 0.5mm² cable as incoming power cable , The maximum distance from the electrical cabinet to the light is 200m.

Notes

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- 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.
- Temperature rise when light working is normal phenomenon.
- This product is sealed structure, can not replace the light source.
- Light has own lead out wire, it can not be dismantled; the power cord is Z type for connection, to make sure the IP rate of the product in IP65 , It must need use the waterproof connectors and junction boxes which IP rate is higher than IP65 between the lead wire. Light will be scrapped if the cable was damaged.

Thanks for choosing our products, NANHUA Electronics is the professional brand of signal transmission and high quality industrial lighting which is trusted and loved by global users from various industries.

Read and understand these instructions completely and carefully. Wrong installation and operation may lead to fires, electric shock, and others. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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