

**alrouf**  
LIGHTING TECHNOLOGY CO., Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



# Alrouf LED

## Different Intensity Aircraft Warning Lights & Controller

[www.alroufled.com](http://www.alroufled.com)

# TABLE OF CONTENTS

**Alrouf GS LI B (Low Intensity)**  
Aircraft Warning Light

pg no: **04-06**



**Alrouf TX-LB-01(L)**  
Aircraft Warning Light

pg no: **28-30**



**Alrouf GS-LID (Low Intensity)**  
Dual Lamp Aircraft Warning Light

pg no: **07-09**



**Alrouf TX-LB-01(L) Type B-Twin Light**  
Aircraft Warning Light

pg no: **31-33**



**Alrouf GS-MI-A (Medium Intensity)**  
Aircraft Warning Light

pg no: **10-12**



**Alrouf TX-MA-02(L) Medium intensity**  
Aircraft Warning Light Type A

pg no: **34-36**



**Alrouf GS-MI-B (Medium Intensity)**  
Aircraft Warning Light

pg no: **13-15**



**Alrouf TX-MB-01(L) Medium intensity**  
Aircraft Warning Light Type B

pg no: **37-39**



**Alrouf TX-HA-01 (L) (High Intensity)**  
Aircraft Warning Light

pg no: **16-18**



**Alrouf TX-OC-K01-wire Control**  
Aircraft Warning Light

pg no: **40-42**



**Alrouf TX-HB-01 (L) (High Intensity)**  
Aircraft Warning Light

pg no: **19-21**



**Alrouf TX-OC-K01- Wireless Control**  
Aircraft Warning Light

pg no: **43-45**



**Alrouf TX-HB-120(L) (High Intensity)**  
Aircraft Warning Light

pg no: **22-24**



**Alrouf Airport Warning Balls**

pg no: **46-47**



**Alrouf TX-LA-01(L)**  
Aircraft Warning Light

pg no: **25-27**



# INTRODUCTION

## WHAT'S SO SPECIAL ABOUT ALROUF LED

Alrouf lighting is an **ISO 9001-2015 QMS, ISO 45001:2018 HSE** company. Alrouf LED offers a diverse selection of **Different Intensity Aircraft Warning lights** that helps Airports to provide safe journey to passengers and also help secure landing and takeoff flights . LED lighting renders colors more accurately with less heat, gains efficiency at lower temperatures and save up-to 70% on energy costs. LED light fixture are the perfect solution for a broad range of **Different Intensity Aircraft Warning lights**

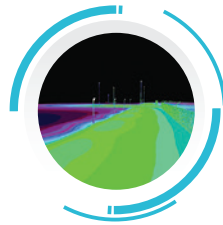


## ALROUF PROJECT CYCLE



### 1 - SITE SURVEY

In this stage we collect all the needed data such as facility application, existing lighting system, power consumption, CAD drawing and environment.



### 2 - LIGHTING DESIGN

We put all collected data into the table, and we use the latest Technology in lighting design (dialux) to the best lighting Solutions.



### 3 - PROJECT PROPOSAL

Project proposal we make 2 or 3 different Solutions that have variation of cost and Savings depending on the site and client Requirements.



### 4 - RETURN OF INVESTMENT

For every solutions we submit return Of investment study that explains an in Dept details of the savings and initial cost of the solution and the payback period.



### 5 - SAMPLE INSTALLATION

We always advice our clients of install Free of charge samples to ensure our design results and at the same time the clients can perceive our lighting solutions in a realistic view.



### 6 - LOGISTIC & DELIVERY

We work hand to hand with the supplier and the courier to deliver the goods in the shortest time. The client is always updated by all means. In terms of courier we always work with the best regardless of the cost or value of the project.



### 7 - INSTALLATION

We will be there in all phases of the Project giving all the needed support to the clients. We even do turnkey projects If requested by the clients.



### 8 - CUSTOMER TRAINING

We provide training for any contractor who will do the job for the end client. We always support them when technical issues arises



### 9 - AFTER SALES SERVICES

Warranty and maintenance service are Issued to all clients around the country or regardless where is the location of the Client



**alrouf**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



# Alrouf Low-intensity Aircraft Warning Light

**GS-LI-B**

[www.alroufled.com](http://www.alroufled.com)



# Alrouf Low-intensity Aircraft Warning Light GS-LI-B



Without the mounting base

With the mounting base

## Products Description

### GS-LI/B Low-intensity Aviation Obstruction Light.

Base with high intensity aviation aluminum casting, fully sealed structure.

Light source adopt with independent research and development dedicated LED chip, which have the specific of low power consumption and long long life.

Lampshade adopt with PC material, it can resist corrosion, anti-UV, anti-shock.

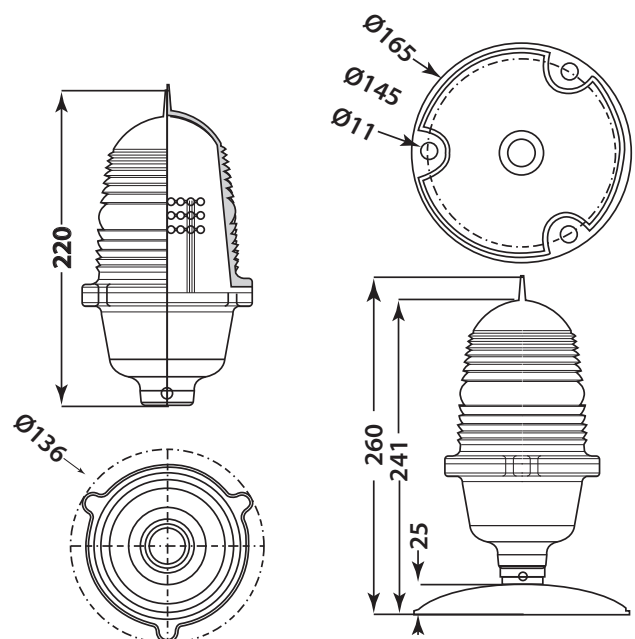
Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

This lamp with photo switch, it can turn on when light intensity less than 50LUX, and turn off when above 50Lux.

## Features

- Adopts Fresnel lens PC lamp shade, converging angle meets FAA standard.
- With automatically light control function that can change to working mode at rainy day and night.
- LED light source, its service life can up to 100000hours.
- Low voltage design, high safety degree for using.
- With the impact resistance, anti lightning, resistant to sunlight, anti snow, can resist typhoons, hail and other severe weather.
- With over-current protection function.
- With lightning protection function.
- It can be added alarm function at dry contact.
- It contains switch for changing flashing light and steady light.
- No radio frequency (rf), no electromagnetic interference.

## Dimension



## Application

Block, Bridge, Towers, Communication tower, Chimney, Runway, Heliport, Traffic barrier, Tower cranes



## Specification

Name	Parameter
FAA Classify	L-810
Model	GS-LI/B
Power voltage	Optional voltage: AC220V, AC120V, DC12V, DC24V, DC48V
Power Supply Frequency	50HZ~60HZ
Power Consumption	≤3W
Working mode	Steady-burning/ Flashing 20times/min
Light Intensity	Type B ≥32.5cd, Type A ≥10cd
Horizontal Out-put	360°
Vertical Divergence	≥10°
Optional Emitting Light Colors	Red
Service Life of the Light Source	≥20years
Overall Size(mm)	136mm×136mm×220mm
Installation size	3/4inches screw installation or chassis installation
IP Protection	IP67
Optically Controlled Ambient Brightness	50/100Lux
Ambient Temperature	-40°C ~70°C
Weight	1KG
Anti Wind Ability	120m/s



**alrouf**  
LIGHTING TECHNOLOGY CO. Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



# Alrouf

## Low-intensity Aircraft Warning Light

**GS-LI/D**  
LOW INTENSITY DUAL LAMP

[www.alroufled.com](http://www.alroufled.com)

# Alrouf Low-intensity Aircraft Warning Light GS-LI/D



## Low Intensity Dual Lamp

### GS-LI/D Low-intensity Double Aviation Obstruction light

Base adopts metal stoving varnish.

Light source adopt with independent research and development dedicated LED chip, which have the specific of high light intensity ,low power consumption and long service life.

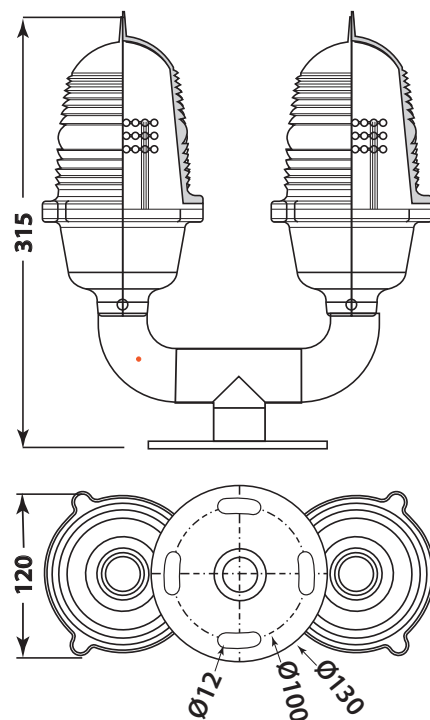
Lampshade adopt with PC material, it can resist corrosion, anti-UV, anti-shock; management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

This lamp with photoswitch, it can turn on when light intensity less than 50LUX, and turn off when above 50Lux.

## Features

- Adopts Fresnel lens PC lamp shade,converging angle meets FAA standard.
- With automatically light control function that can change to working mode at rainy day and night.
- LED light source, its service life can up to 100000hours.
- Low voltage design, high safety degree for using.
- With the impact resistance, anti lightning, resistant to sunlight, anti snow, can resist typhoons, hail and other severe weather.
- Possess lightning protection function.
- Built-in switch function can be adjusted 4 kinds of working mode.
- No radio frequency (rf), no electromagnetic interference.

## Dimension





## Application

Block, Bridge, Towers, Communication tower, Chimney, Runway, Heliport, Traffic barrier, Tower cranes



## Specification

Name	Parameter
FAA Classify	L-810
Model	GS-LI/D
Power voltage	Optional : AC220V, AC120V, DC24V, DC48V
Power Supply Frequency	50HZ~60HZ
Power Consumption	≤3Wx2
Working mode	Optional: steady burning, flashing, steady burning backup, flash alternately
Light Intensity	Type B ≥32.5cd      Type A ≥10cd
Horizontal Out-put	360°
Vertical Divergence	10°
Optional Emitting Light Colors	Red
Service Life of the Light Source	≥20years
Overall Size(mm)	285mm×130mm×315mm
Installation size	D100mm×M10×4
IP Protection	IP65
Optically Controlled Ambient Brightness	50/100Lux
Ambient Temperature	-40°C~70°C
Weight	3KG
Anti Wind Ability	120m/s

**alrouf**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



# Airouf

## Medium intensity Aircraft Warning Light

**GS-MI/A**  
MEDIUM INTENSITY TYPE A

[www.alroufled.com](http://www.alroufled.com)



# Alrouf Medium intensity Aircraft Warning Light GS-MI/A



## GS-MI/A Medium Intensity Type A

### GS-MI/A medium intensity type A aviation obstruction light,

its base is cast by high intensity aviation aluminum with full sealed structure.

Light source adapts high efficient CREE chip and cooperate with condensing lens that owned independent research and developing patent, offer high light intensity, long service life and other characteristics.

lamp shade adopts PC, which has strong ability of corrosion, anti-UV, anti-shock.

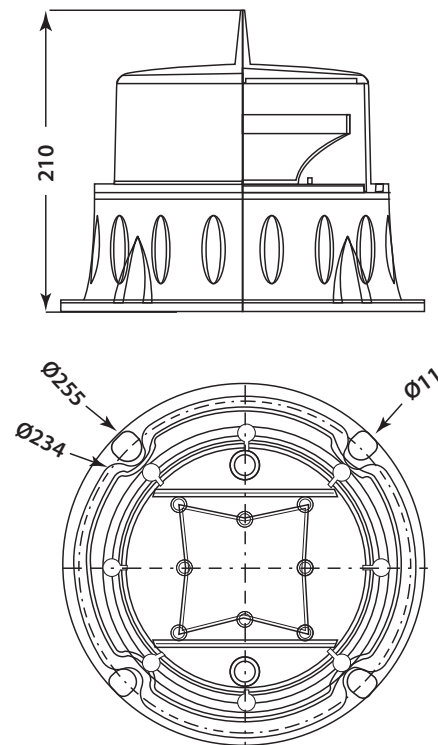
Controlling circuit has strong ability of lighting protection and with anti-surge protection device, it can adapt to extremely bad working environment.

This lamp with the function of adjustable code and flashing rate, user can adjust according request.

### Features

- The shell adopts high intensity aviation aluminum to cast, with full-seal structure.
- With CREE chip, which has the specific of high light intensity, low power consumption, long service life.
- Independent designed patent condensing lens, the field angle follow the standard of IAA, ICAO.
- Lamp shade adopts tempered PC material, which has strong ability of corrosion, anti-UV, anti-shock.
- With anti-surge protection device, it can adapt to extremely bad working environment.
- Adopts advanced technology of stoving varnish, which provide excellent heating dispersion, it can reduce the volume and weight of the light.
- Offer anti-shock, lighting protection, light fastness, rain and snow resistance function.
- With over-current protection function.
- Can be customized with GPS function.

### Dimension



## Application

Block, Bridge, Towers, Communication tower, Chimney, Runway, Heliport, Traffic barrier, Tower cranes



## Specification

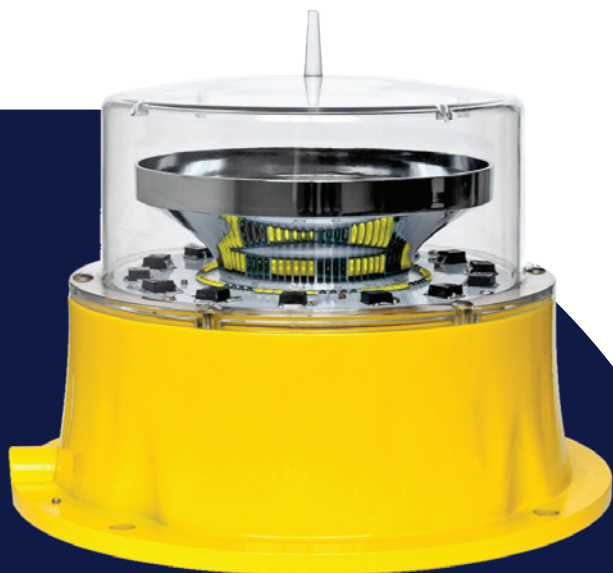
Name	Parameter
FAA Classify	L-865
Model	GS-MI/A
Power voltage	AC180V~AC264V, DC48V
Power Supply Frequency	50HZ~60HZ
Power Consumption	≤40W
Working mode	Flashing 40-60times/min
Light Intensity	2000cd~20000cd(±25%)
Vertical Divergence	≥3°
Horizontal Out-put	360°
Optional Emitting Light Colors	White
Overall Size(mm)	255X255X210(mm)
Installation size	D234mm x 4 x M8
IP Protection	IP67
Optically Controlled Ambient Brightness	50/100Lux
Ambient Temperature	-50°C~70°C
Weight	3.5KG



**alrouf**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



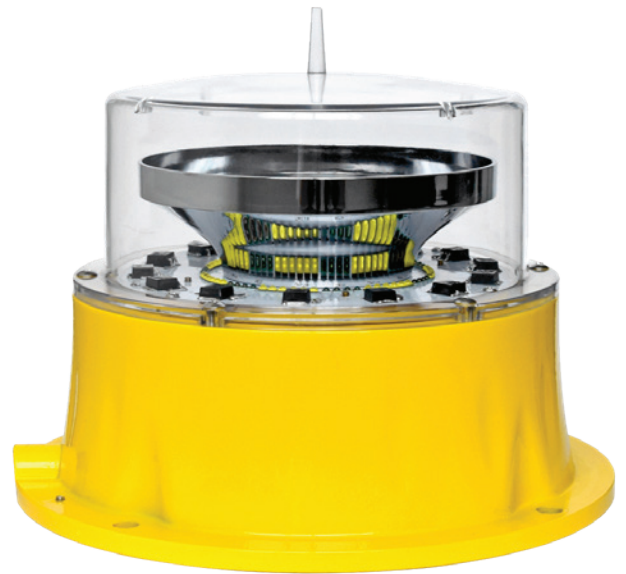
**Airouf**  
**Medium intensity**  
**Aircraft**  
**Warning Light**

**GS-MI/B**  
MEDIUM INTENSITY TYPE B

[www.alroufled.com](http://www.alroufled.com)

# Alrouf

## Medium intensity Aircraft Warning Light GS-MI/B



**GS-MI/B Medium Intensity Type B**

### GS-MI/B medium intensity type B aviation obstruction light,

its base is cast by high intensity aviation aluminum with full sealed structure.

Light source adapts high efficient CREE chip and cooperate with condensing lens that owned independent research and developing patent, offer high light intensity, long service life and other characteristics.

lamp shade adopts PC, which has strong ability of corrosion, anti-UV, anti-shock.

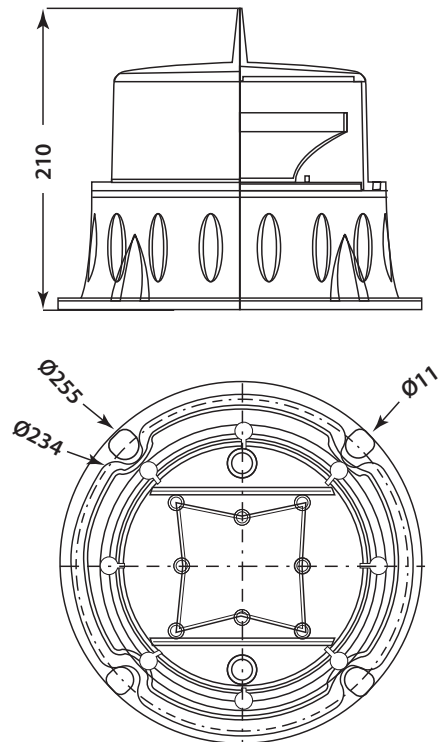
Controlling circuit has strong ability of lighting protection and with anti-surge protection device, it can adapt to extremely bad working environment.

This lamp with the function of adjustable code and flashing rate, user can adjust according request.

### Features

- The shell adopts high intensity aviation aluminum to cast, with full-seal structure.
- With CREE chip, which has the specific of high light intensity, low power consumption, long service life.
- Independent designed patent condensing lens, the field angle follow the standard of FAA,ICAO.
- Lamp shade adopts tempered PC material, which has strong ability of corrosion, anti-UV, anti-shock.
- With anti-surge protection device, it can adapt to extremely bad working environment.
- Adopts advanced technology of stoving varnish, which provide excellent heating dispersion, it can reduce the volume and weight of the light.
- Offer anti-shock, lighting protection, light fastness, rain and snow resistance function.
- With over-current protection function.
- Can be customized with GPS function.

### Dimension



## Application

Block, Bridge, Towers, Communication tower, Chimney, Runway, Heliport, Traffic barrier, Tower cranes



## Specification

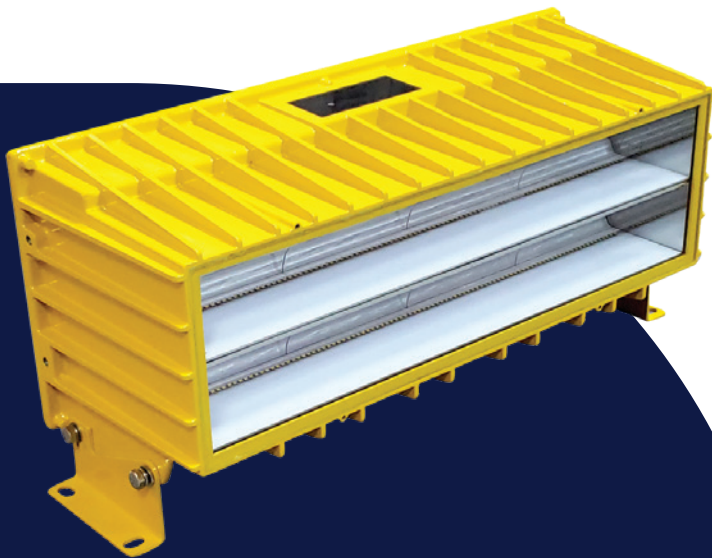
Name	Parameter
FAA Classify	L-864
Model	GS-MI/B
Power voltage	AC180V~AC264V, DC48V
Power Supply Frequency	50HZ~60HZ
Power Consumption	≤20W
Working mode	Flashing 20~40times/min
Light Intensity	2000cd ±25%
Vertical Divergence	≥3°
Horizontal Out-put	360°
Optional Emitting Light Colors	Red
Overall Size(mm)	255X255X210(mm)
Installation size	D234mm x 4 x M8
IP Protection	IP67
Optically Controlled Ambient Brightness	50/100Lux
Ambient Temperature	-50℃~70℃
Weight	3.5KG
Anti Wind Ability	80m/s



**alrouf**  
LIGHTING TECHNOLOGY CO., Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



# Airouf High-intensity Aircraft Warning Light

**TX-HA-01 (L)**  
HIGH INTENSITY TYPE A

[www.alroufled.com](http://www.alroufled.com)

# Alrouf High-intensity Aircraft Warning Light TX-HA-01 (L)



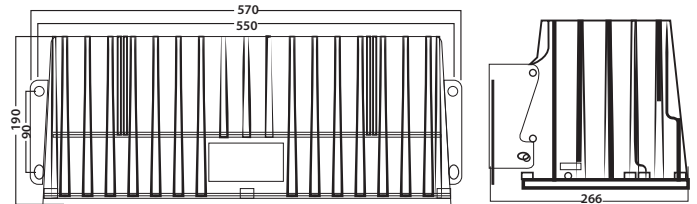
## TX-HA-01 (L) High intensity Type A Aviation Obstruction Light,

base adopt high intensity casting aviation aluminum , Its exterior adopts high-density heat dissipation tooth design, Light source adopt high efficient SMT LED chip and combine double layers overlay reflective optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

### Features

- Housing adopt high intensity casting aviation aluminum, Its exterior adopts high-density heat dissipation tooth design.
- Adopt above 120 pcs high efficient 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 CAAC and ICAO requirements.
- With surge protection device, which can adopt to extremely bad working environment.
- Adopt advanced high 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.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.

### Dimension



### Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.ng.

## Specification

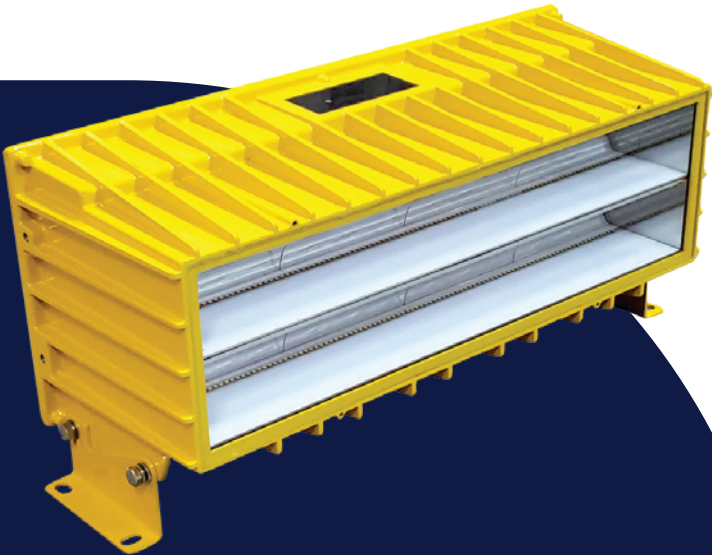
Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment
Model	TX-HA-01 (L)	Vertical Divergence	3°~7°
Power supply	AC220V、DC180V	Horizontal Out-put	90°
Power frequency	50HZ~60HZ	Overall Size	570*190*266mm (L*W*H) (mounting foot outer mounting) 538*190*266mm (L*W*H) (mounting food inner mounting)
Average power	≤30W	Installation size	550*90*M10 (mounting foot outer mounting) 480*90*M10 (mounting food inner mounting)
Working mode	Flash 40 times/min	Ambient Temperature	-40°C~+55°C
Emitted color	White	Weight	11.6kg(not include mounting bracket)
Light source	LED	Wind load	240km/h
Shell material	Aviation Aluminum alloy	Luminous mirror material	optical glass
Installing structure	Adaptive vertical installation or side vertical installation	energy efficiency	≥95%
Light source lifespan	≥200000h	Protection grade	IP65
Surge protection rating	5KA	Relative humidity	0%~95%
Get wet in the rain	Can be exposed to rain in any wind direction	Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25°C)	Leakage current	<10uA
Electric shock protection	Has	Altitude ≥2500m	≥2500m
Effective intensity	Daytime : 200000cd, dawn/twilight : 20000cd, night : 2000cd		
Photocell stage	Night(<50Lx) , dawn(50-500Lx), daytime(>500Lx), twilight(50-500Lx)		



**alrout**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



**Airouf**  
**High-intensity**  
**Aircraft**  
**Warning Light**

**TX-HB-01 (L)**  
HIGH INTENSITY TYPE B

[www.alroufled.com](http://www.alroufled.com)

# Alrouf High-intensity Aircraft Warning Light TX-HB-01 (L)



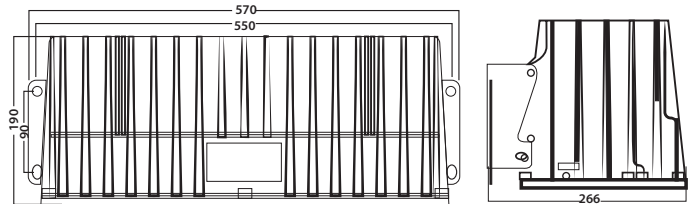
## TX-HB-01 (L) High intensity Type B Aviation Obstruction Light,

base adopt high intensity casting aviation aluminum , Its exterior adopts high-density heat dissipation tooth design, Light source adopt high efficient SMT LED chip and combine double layers overlay reflective optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

### Features

- Housing adopt high intensity casting aviation aluminum, Its exterior adopts high-density heat dissipation tooth design.
- Adopt above 120 pcs high efficient 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 CAAC and ICAO requirements.
- With surge protection device, which can adopt to extremely bad working environment.
- Adopt advanced high 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.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering

### Dimension



### Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.ng

## Specification

Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment
Model	TX-HA-01 (L)	Vertical Divergence	3°~7°
Power supply	AC220V、DC180V	Horizontal Out-put	90°
Power frequency	50HZ~60HZ	Overall Size	570*190*266mm (L*W*H) (mounting foot outer mounting) 538*190*266mm (L*W*H) (mounting food inner mounting)
Average power	≤15W	Installation size	550*90*M10 (mounting foot outer mounting) 480*90*M10 (mounting food inner mounting)
Working mode	Flash 40~60 times/min	Ambient Temperature	-40°C~+55°C
Emitted color	White	Weight	11.6kg(not include mounting bracket)
Light source	LED	Wind load	240km/h
Shell material	Aviation Aluminum alloy	Luminous mirror material	optical glass
Installing structure	Adaptive vertical installation or side vertical installation	energy efficiency	≥95%
Light source lifespan	≥200000h	Protection grade	IP65
Surge protection rating	5KA	Relative humidity	0%~95%
Get wet in the rain	Can be exposed to rain in any wind direction	Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25°C)	Leakage current	<10uA
Electric shock protection	Has	Altitude	≥2500m
Effective intensity	Daytime : 100000cd, dawn/twilight : 20000cd, night : 2000cd		
Photocell stage	Night(<50Lx) , dawn(50-500Lx), daytime(>500Lx), twilight(50-500Lx)		



**alrouf**  
LIGHTING TECHNOLOGY CO., Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



**Airouf**  
**High-intensity**  
**Aircraft**  
**Warning Light**

**TX-HB-120(L)**  
HIGH INTENSITY TYPE B

[www.alroufled.com](http://www.alroufled.com)

# Alrouf High-intensity Aircraft Warning Light TX-HB-120 (L)



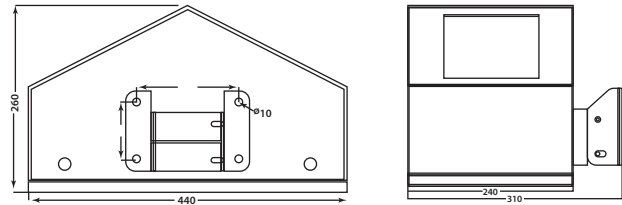
## TX-HB-120 (L) High intensity Type B Aviation Obstruction Light,

its shell adopt metal material in unibody, Light source adopt high efficient SMT LED chip and combine reflective optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

### Features

- 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 CAAC 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
- With the impact resistance, anti lightning, resistant to sunlight, anti snow, can resist typhoons, hail and other severe weather.
- With over-current protection function.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.

### Dimension



### Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.ng.

## Specification

Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment
Model	TX-HB-120 (L)	Vertical Divergence	3°~7°
Power supply	AC220V、DC120V	Horizontal Out-put	120°
Power frequency	50HZ~60HZ	Overall Size	440*260*310mm (L*W*H)
Average power	≤31.5W	Installation size	140mm*80mm*M10
Working mode	Flash 40~60 times/min	Ambient Temperature	-40°C~+55°C
Emitted color	White	Weight	9.5kg
Light source	LED	Wind load	240km/h
Shell material	Aviation Aluminum alloy	Luminous mirror material	optical glass
Installing structure	Adaptive vertical installation or side vertical installation	energy efficiency	≥98%
Light source lifespan	≥200000h	Protection grade	IP66
Surge protection rating	5KA	Relative humidity	0%~95%
Get wet in the rain	Can be exposed to rain in any wind direction	Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25°C)	Leakage current	<10uA
Electric shock protection	Has	Altitude	≥2500m
Effective intensity	Daytime : 100000cd, dawn/twilight : 20000cd, night : 2000cd		
Photocell stage	Night(<50Lx) , dawn(50-500Lx), daytime(>500Lx), twilight(50-500Lx)		



**alrouf**  
LIGHTING TECHNOLOGY CO.LTD.



شركة الروف  
لتقنية الإنارة المحدودة



**Airouf**  
**Low-intensity**  
**Aircraft**  
**Warning Light**

**TX-LA-01 (L)**  
LOW-INTENSITY TYPE A

[www.alroufled.com](http://www.alroufled.com)

# Alrouf

## Low-intensity Aircraft Warning Light TX-LA-01 (L)



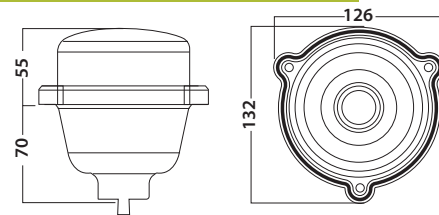
### TX-LA-01 (L) type A low-intensity aviation obstruction light,

base adopt high intensity casting aviation aluminum. Light source adopt high efficient SMT LED chip and combine with reflecting optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

#### Features

- Housing adopt high intensity casting aviation aluminum, fully sealed structure.
- Adopt high efficient 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 CAAC 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.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.

#### Dimension



#### Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.

## Specification

Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment
Model	TX-LA-01 (L)	Vertical Divergence	>10°
Power supply	AC220V、DC180V	Horizontal Out-put	360
Power frequency	50HZ~60HZ	Overall Size	132*126*125mm
Average power	≤2.6W	Installation size	G3/4 cylindrical pipe thread
Working mode	Steady Light	Ambient Temperature	-40℃~+55℃
Emitted color	Red	Weight	1.1k (not include mounting bracket)
Light source	LED	Wind load	240km/h
Shell material	Aviation Aluminum alloy	Luminous mirror material	optical PC
Installing structure	Optional flange disc mounting accessories	energy efficiency	≥95%
Light source lifespan	≥200000h	Protection grade	IP65
Surge protection rating	5KA	Relative humidity	0%~95%
Get wet in the rain	Can be exposed to rain in any wind direction	Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25℃)	Leakage current	<10uA
Electric shock protection	Has	anti-drop device	Has
Effective intensity	night : >10cd		
Photocell stage	50/100Lux		



**alrouf**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



.....

# **Airouf**

## **Low-intensity Airport Warning Light**

**TX-LB-01(L)**  
LOW-INTENSITY TYPE B



[www.alroufled.com](http://www.alroufled.com)

# Alrouf Low-intensity Airport Warning Light Type B



TX-LB-01 (L) type B

## Products Description

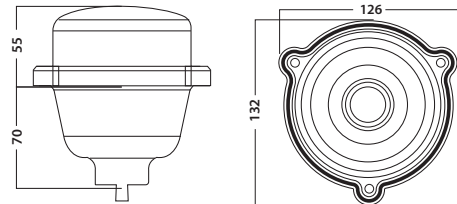
### TX-LB-01 (L) type B low-intensity aviation obstruction light,

base adopt high intensity casting aviation aluminum. Light source adopt high efficient SMT LED chip and combine with reflecting optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

## Features

- Housing adopt high intensity casting aviation aluminum, fully sealed structure.
- Adopt high efficient 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 CAAC 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.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.

## Dimension



## Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.

## Specification

Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light	
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation	
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment	
Model	TX-LB-01 (L)		Vertical Divergence	>10°
Power supply	AC220V, DC180V, DC48V		Horizontal Out-put	360
Power frequency	50HZ~60HZ, DC		Overall Size	132*126*125mm
Average power	≤2.6W		Installation size	G3/4 cylindrical pipe thread
Working mode	Steady Light		Ambient Temperature	-40°C~+55°C
Emitted color	Red		Weight	1.1kg (not include mounting bracket)
Light source	LED		Wind load	240km/h
Shell material	Aviation Aluminum alloy		Luminous mirror material	optical PC
Installing structure	Optional flange disc mounting accessories		energy efficiency	≥95%
Light source lifespan	≥200000h		Protection grade	IP65
Surge protection rating	5KA		Relative humidity	0%~95%
Get wet in the rain	Can be exposed to rain in any wind direction		Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation		Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis		EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25°C)		Leakage current	<10uA
Electric shock protection	Has		Altitude	≥2500m
Effective intensity	night : >32.5cd			
Photocell stage	50/100Lux			



**alrouf**  
LIGHTING TECHNOLOGY CO. Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



# Alrouf

## Low-intensity Aircraft Warning Light

**TX-LB-01 (L)**  
LOW-INTENSITY TYPE B-TWIN LIGHT

[www.alroufled.com](http://www.alroufled.com)

# Alrouf Low-intensity Aircraft Warning Light Type B-Twin Light



Twin Light

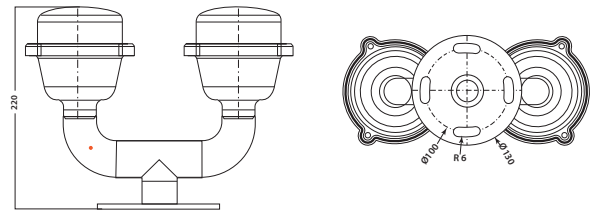
## Products Description

**TX-LB-01 ( L ) type B low-intensity double aviation obstruction light,** base adopt high intensity casting aviation aluminum. Light source adopt high efficient SMT LED chip and combine with reflecting optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment. Built-in dual light source design,when main light default, it can switch to standby light to work automatically.

## Features

- Housing adopt high intensity casting aviation aluminum, fully sealed structure.
- Adopt high efficient 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 CAAC 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.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.

## Dimension



## Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.

## Specification

Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment
Model	TX-LB-01 (L)	Vertical Divergence	>10°
Power supply	AC220V, DC180V, DC48V	Horizontal Out-put	360
Power frequency	50HZ~60HZ, DC	Overall Size	132*126*125mm
Average power	≤2.6W	Installation size	G3/4 cylindrical pipe thread
Working mode	Steady Light	Ambient Temperature	-40°C~+55°C
Emitted color	Red	Weight	3kg
Light source	LED	Wind load	240km/h
Shell material	Aviation Aluminum alloy	Luminous mirror material	optical PC
Installing structure	Optional flange disc mounting accessories	energy efficiency	≥98%
Light source lifespan	≥200000h	Protection grade	IP65
Surge protection rating	5KA	Relative humidity	0%~95%
Get wet in the rain	Can be exposed to rain in any wind direction	Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25°C)	Leakage current	<10uA
Electric shock protection	Has	Altitude	≥2500m
Effective intensity	night : >32.5cd		
Photocell stage	50/100Lux		



**alrouf**  
LIGHTING TECHNOLOGY CO. Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



**Alrouf**  
**Medium intensity**  
**Airport**  
**Warning Light**

**TX-MA-02(L)**  
MEDIUM INTENSITY TYPE A

[www.alroufled.com](http://www.alroufled.com)

# Alrouf Medium intensity Airport Warning Light Type A



TX-MA -02 (L) type A

## Products Description

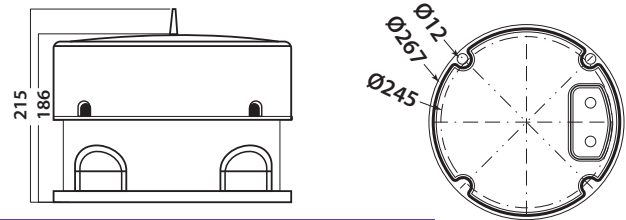
### TX-MA -02 (L) type A Medium-intensity aviation obstruction light,

base adopt high intensity casting aviation aluminum ,Light source adopt high efficient SMT LED chip and combine three layers overlay reflective optical structure, which have the specific of high brightness and long lifespan; Management circuit with strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

## Features

- Housing adopt high intensity casting aviation aluminum, fully sealed structure.
- Adopt high efficient 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 CAAC 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.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.

## Dimension



## Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.

## Specification

Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment
Model	TX-MA-02 (L)	Vertical Divergence	3°
Power supply	AC220V, DC180V	Horizontal Out-put	360
Power frequency	50HZ~60HZ, DC	Overall Size	267*267*215mm
Average power	≤10.5W	Installation size	φ245*4*M10
Working mode	Flash 20~60times/min	Ambient Temperature	-40°C~+55°C
Emitted color	White	Weight	4.5kg (Not include mouting bracket)
Light source	LED	Wind load	240km/h
Shell materia	Aviation Aluminum alloy	Luminous mirror material	optical PC
Light source lifespan	≥200000h	Protection grade	IP65
Surge protection rating	5KA	Relative humidity	0%~95%
		Salt spray	Can be exposed to salt spray
Get wet in the rain	Can be exposed to rain in any wind direction	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Radiation	Can be exposed to solar radiation	EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis		
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25°C)	Leakage current	<10uA
Electric shock protection	Has	Altitude	≥2500m
Effective intensity	Daytime : 20000cd, night : 2000cd		
Photocell stage	50/100Lux		



**alrouf**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



**Alrouf**  
**Medium intensity**  
**Airport**  
**Warning Light**

**TX-MB-01(L)**  
MEDIUM INTENSITY TYPE B

[www.alroufled.com](http://www.alroufled.com)

# Alrouf

## Medium intensity Airport Warning Light Type B



**TX-MB-01 (L) type B**

### Products Description

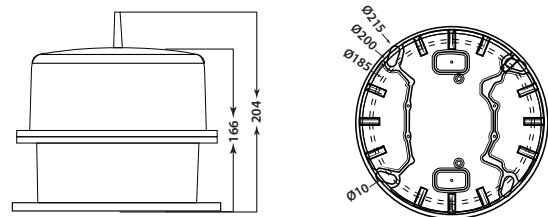
#### **TX-MB-01(L) type B Medium-intensity aviation obstruction light,**

base adopt high intensity casting aviation aluminum , fully sealed structure, Adaptive range  $\phi 200 \sim 185\text{mm}$  of installation size; Light source adopt high efficient SMT LED chip and combine with reflecting optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

### Features

- Housing adopt high intensity casting aviation aluminum, fully sealed structure.
- Adopt high efficient 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 CAAC 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.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.

### Dimension



### Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.

## Specification

Performed Standard	CAAC	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment

Model	TX-MB-01 (L)	Vertical Divergence	3°
Power supply	AC220V, DC180V	Horizontal Out-put	360
Power frequency	50HZ~60HZ, DC	Overall Size	215*215*204mm
Average power	≤2.5W	Installation size	Φ185~200mm*4*M8
Working mode	Flash 20times/min	Ambient Temperature	-40°C~+55°C
Emitted color	Red	Weight	2.3kg (not include mounting bracket)
Light source	LED	Wind load	240km/h
Shell materia	Aviation Aluminum alloy	Luminous mirror material	optical PC
Light source lifespan	≥200000h	Protection grade	IP65
Surge protection rating	5KA	Relative humidity	0%~95%
		Salt spray	Can be exposed to salt spray
Get wet in the rain	Can be exposed to rain in any wind direction	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Radiation	Can be exposed to solar radiation	EMC standards	Emitted:EN55022(CISPR2 2) class A harmonic wave:EN61000-3-2,-3
Seismic resistance	10~500Hz,2G 10min/cycle, XYZ 60 minutes for each axis		
Mean Time Between Failure	≥200000h,MIL-HDBK-217 F(25°C)	Leakage current	<10uA
Electric shock protection	Has	Altitude	≥2500m
Effective intensity	night : 2000cd		
Photocell stage	50/100Lux		





# Airouf Aircraft Warning Light Controller

**TX-OC-K01**  
WIRE CONTROL

# Alrouf Aircraft Warning Light Controller



## TX-OC-K01 Wire Controller

### Products Description

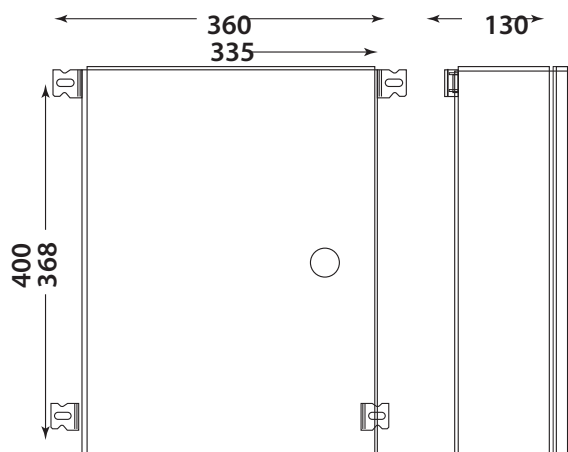
#### TX-OC-K01 Obstruction light Controller,

Shell adopts 304 stainless steel: It has features of small volume, light weight, strong anti-corrosion ; The control part adopts digital communication control chip The best control range can reach 3KM ; meanwhile it can monitoring obstruction light.

### Features

- The shell adopts 304 stainless steel
- Adopt remote control by digital communication
- Production function meet CAAC and ICAO requirement.
- With anti-surge protection device, suitable for harsh working environment
- With the impact resistance, anti lightning, resistant to sunlight, anti snow, can resist typhoons, hail and other severe weather.
- With over-current protection function.

### Dimension



### Application

The product is used in controlling and monitoring kinds of obstruction light.

### Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.

## Specification

Performed Standard	CAAC	MH6012-2015	obstruction light controller
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA Classify	---	---

	TX-OC-K01	Surge protection rating	5KA
	AC220V, DC180V	Local alarm	buzzer+screen alarm tips+ history information storage
	50HZ~60HZ	Overall size	426*360*140mm
	≤4W	Installing size	368mm*335mm*M6
	Digital chip	Ambient temperature	-40°C+55°C
	≥7inches	Weight	5.7kg
	3000m	Relative humidity	0%~95%
	≥2500m	Wind load	240km/h
	≥20years	Sync precision	Than 1/60s
	304 Stainless steel	Level of protection	IP65
	Can be exposed to rain in any wind direction	Leakage current	<10uA
		Salt spray	Can be exposed to salt spray
	Can be exposed to solar radiation	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
	10~500Hz,2G 10min/cycle,XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR22) class A harmonic wave:EN61000-3-2,-3
	≥200000h, MIL-HDBK-217F(25°C)	Main function	Meet the requirements of (Aviation Obstruction Light MH/T 6012-2015)



**alrouf**  
LIGHTING TECHNOLOGY CO., Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



**Airouf**  
**Aircraft**  
**Warning Light**  
**Controller**

**TX-OC-K01**  
WIRELESS CONTROL

[www.alroufled.com](http://www.alroufled.com)

# Alrouf Aircraft Warning Light Controller



TX-OC-K01 Wireless Controller

## Products Description

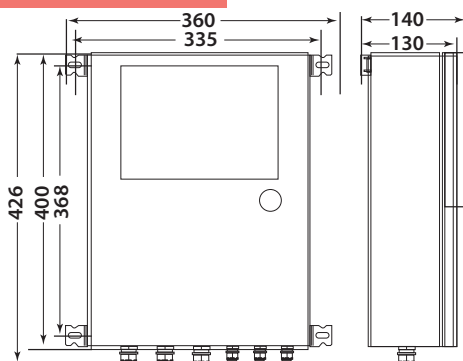
### TX-OC-K01 Obstruction light controller,

shell adopts 304 stainless steel; it has the specific of small volume, light weight and strong corrosion resistance; The control part adopts LORA wireless remote control, the best control distance can reach 10KM; External super large human computer interaction touching screen, user can set for obstruction light, meanwhile can monitoring obstruction light.

## Features

- Shell adopts 304 stainless steel.
- Adopt LORA wireless remote control, it can realize sync and monitoring obstruction lights without complex wire laying.
- Product performance meets CAAC and ICAO requirements.
- With anti-surge protection device, suitable for harsh working environment.
- With impact resistance, lightning resistance, sun resistance, rain and snow resistance, typhoon, hail and other severe weather attack.
- Has overcurrent protection function.
- Human computer interaction touching screen, user can set for obstruction light, meanwhile can monitoring obstruction light.

## Dimension



## Application

The products are used to control and monitor the work of various types of aviation obstruction lights

## Warranty Description

The product is full guaranteed for two years and five years warranty from the date of sale. Within 2 years, repairing cost, material cost, shipping cost are free of charge (only in China), if necessary we can replace by new product for free. From 3-5 years repairing cost is free of charge, user should burden component cost and shipping cost in repairing, charging standard as per our company policy. But if there is one of following situation, user can't enjoy full warranty.

1. Lamp damage caused by man-made damage or force majeure.
2. Not installed and used in the manner specified in the attachment of the contract.
3. Not installed and used according to the product instructions.
4. Not install and use normally.
5. Dismantling or repairing the product without obtaining the consent of our company.
6. Unable to provide evidence that the bills were purchased through normal channels.
7. Over the period of full guarantee.

## Specification

Performed Standard	CAAC	MH/T 6012-2015	obstruction light controller
	ICAO	ICAO Annex 14 Volume I The 6th Edition	Airport design and operation
	FAA Classify	---	----

Model	TX-OC-K01	Anti-surge	5KA
Power supply	AC220V, DC180V	Local alarm	Buzzer + on-screen alarm notification + Storage of historical information
Power Frequency	50HZ~60HZ	Overall size	426*360*140mm
Power	≤4W	Installing size	368mm*335mm*M6
Control way	LORA wireless control	Ambient temperature	-40°C+55°C
Touching screen size	≥7inches	Weight	5.7kg
Control distance	Out door open environment≥800m	Relative humidity	0%~95%
Altitude	≥2500m	Wind load	240km/h
Life span	≥20years	Sync precision	Than 1/60s
Shell material	304 Stainless steel	Level of protection	IP65
Get wet in the rain	Can be exposed to rain in any wind direction	Leakage current	<10uA
		Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Insulation characteristic	Between the input end and the shell: 1.414kVDC, 10s no breakdown
Seismic resistance	10~500Hz,2G 10min/cycle,XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR22) class A harmonic wave:EN61000-3-2,-3
Mean Time Between Failure	≥200000h, MIL-HDBK-217F(25°C)	Main function	Meet the requirements of (Aviation Obstruction Light MH/T 6012-2015)



**alrouf**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



**Airouf**  
**Aircraft**  
**Warning light**  
**Ball**

**GS-AWS**

[www.alroufled.com](http://www.alroufled.com)

# Alrouf Aircraft Warning Light Ball



## TX-OC-K01 Wire Controller

### Products Description

#### GS-AWS Aviation Obstruction Ball(warning ball),

adopts high intensity glass fiber, the Surface coating adopts reflective coatings that is corrosion and aging resistance, non-discoloured service life can be above 5years.

### Features

- Adopts high reflection coefficient coatings.
- Aluminum Alloy material clamp,Light weight and convenient to install.
- Glass fiber material,light weight and high strength

### Usage notice

- To avoid causing accident,installers should do good personal safety measure
- No beat,press heavy for long time,to avoid damaged, transformation that will effect on Installation.
- To avoid falling off in the future,Clamp fixed screw must be checked if tightening

### Application

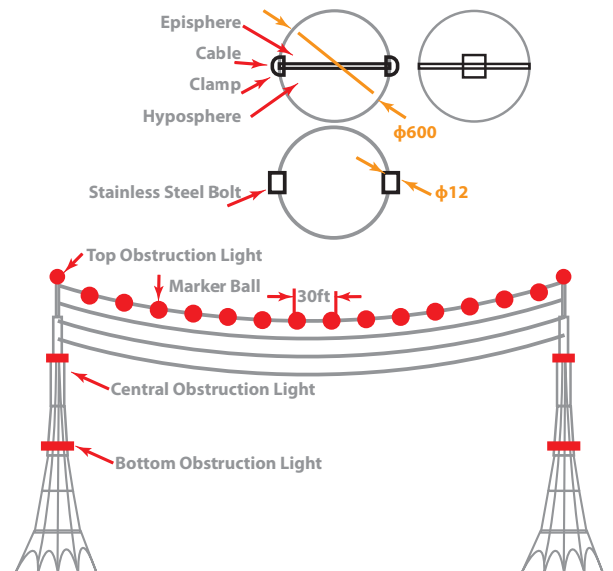
- Overhead transmission line
- Ultrahigh-tension transmission line
- River-crossing transmission cable
- Ultrahigh cable

### Specification

#### Model GS-AWS

Overall size	600mm×741.5mm×600mm
Installation size	Adapt to wire 35mm~150m <sup>2</sup>
Optional color	Red, white, orange
Reflection coefficient	0.3~0.7
Optional material	Glass fiber, FRP
Ambient temperature	-55 °C~85°C
Weight	6.3KG
Wind loading	80m/s

### Dimension



**alrouf**  
LIGHTING TECHNOLOGY CO.Ltd.



**شركة الروف**  
لتقنية الإنارة المحدودة



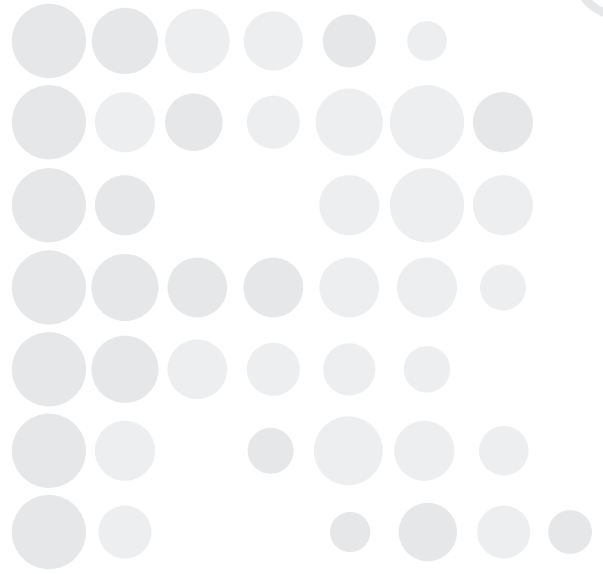
## **Dammam**

Prince Metib st, Izdhar District  
Alrouf Trading Building  
Tel/Fax : 966 13 8588556  
sales@alroufled.com

## **Jeddah**

Commercial center for  
Dr. Hassan Nasr, Baladiyah St.,  
Al Aziziyah.

Tel: +966-56 472 7973



LED

