CDT CHENDONG TECHNOLOGY CO.,LTD.

Professional Aviation Obstruction Light & Heliport Light Manufacturer



AVIATION OBSTRUCTION LIGHT
HELIPORT LIGHT

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CHENDONG TECHNOLOGY CO.,LTD.

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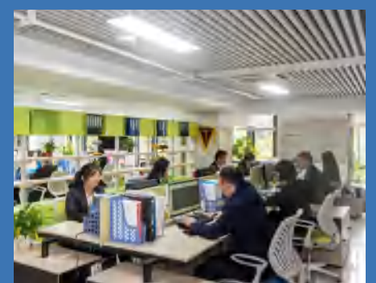
ABOUT US





HUNAN CHENDONG TECH CO., LTD


Work Shop1


Office Zone


Resting Corner


Work Shop2

Company Profile

Established in 2012, Hunan Chendong Technology Co., Ltd (CDT) is located in the historic city of Changsha, Hunan province, where is known as Yulu Mountain, a part among Nanyue Hengshan Mountain and Yuelu Academy with a thousand years history. CDT is a hi-tech company that focuses on R&D, production and sell all kinds of aviation obstruction light and green light for airport navigation.

CDT has approved by ISO9001, CAAC and ICAO, owned numerous patents. And keep long terms cooperation with enterprises as ZTE, State Grid Corporation of China, China Southern Power Grid, CAH, CWAG and Hunan Airport Management Group etc.

As a pioneer in aviation obstruction light, CDT expands overseas market at the same time. We have exported to over 50 countries in Southeast Asia, Middle East, America, Africa and Oceania.

Keep a principle of improving quality and fulfill clients requirements continuously, 100% qualified CQC as quality goal, market-oriented and customer-centric marketing target, we offer 24 hours service to customers. Standing in over 100 airports in 30 provinces to offer and secure safe flight services, CDT aviation obstruction lights earns excellent reputation and customers acceptance.

CDT take innovation and factualism, honesty and trustworthiness as our operation principle, and promise to offer the most competitive price, thoughtful services and excellent products.

Now, we are dedicating to making CDT a century enterprise in aviation obstruction lights field. To become a healthier, safer and more environment friendly hi-tech company, CDT are here to serve airports throughout the world.

Development Histor

2012

1.Hunan Chendong Technology Co., Ltd (CDT) was established.
2.Approved by ISO9001, got Independent Import & Export Right, obtained many patents.

2013

1.CDT aviation obstruction light is certified by CAAC.
2.Product is exported to Southeast Asia.
3.Complete heliport design of world largest individual building---- Wanjiali international Fashion Mall.

2014

Moved to new self-proprietorial factory with over 3,000㎡ area. And developed world first Meteorological target light.

2015

Cooperated with over 80 airports in China, Low visibility operation light achieve great success and got Number 1 in domestic market sales.

2016

Exported to over 50 countries in the world, and cooperated with ZTE, State Grid Corporation of China , PEK, CR Power , achieving more than RMB 50 million sales.

2017

1.Open the North American Market;
2.Cooperate with Heliports Project;
3.Researched and Developed the Rotating beacon.

2018

Got ICAO Certificate of Type A High Intensity obstruction lights,Type B High Intensity Obstruction lights,Type A White Medium Intensity Obstruction.

2019

Chendong Tech has been exceeded 20 authorized patents , and participated in large foreign exhibitions in Dubai(UAE),Jakarta(Indonesia) and Munich(Germany).

2020

the number of patents reached 33 pcs.

2021

the company has 53 patents, with sales exceeding 16 million dolloars(more than 100 million yuan in RMB), and has become a key enterprise in Changsha High-tech Zone.

CDT will fight for a brighter and promising future!

Corporate Culture

Innovation and Objectivity
Honesty and Trust Worthness





Warehouse

Quality Target

The inspection qualified rate of product is more than 96%, final inspection qualified rate 100%, customer satisfaction more than 96 points, in the past three years increased 0.1% each year, the failure rate is lower than 0.1% during the warranty period.

Quality Policy

Improve product quality continuously to meet the customer’ s demands.

Company's Certificate













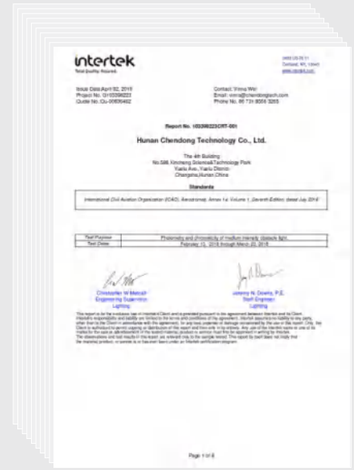


















AVIATION OBSTRUCTION LIGHT



CM-18 High Intensity Aviation Obstruction Light type A

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 150m buildings, could use alone, also could use with Medium OBL type B and Low intensity OBL type B together.



Main photo

Key Feature

(Low power consumption, easy installation, small size, new appearance)

- The holder of the light adopts high quality aluminium alloy, the light emitting surface use tempered glass, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.



Front view

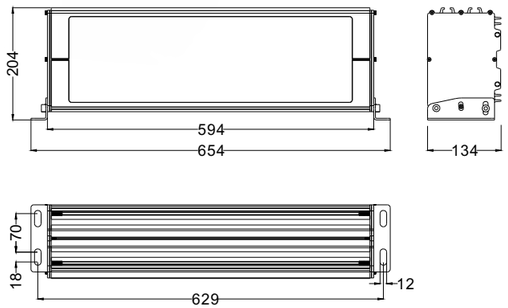


Cable position

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V (Other available)
Power consumption	≤25W
Flashing frequency	40～60times/min
Light source	White LED
Light intensity	2000cd(±25%) (Background Luminance≤50Lux) 20000cd(±25%) (Background Luminance50～500Lux) 200000cd(±25%) (Background Luminance＞500Lux)
Lifespan	＞100,000hours
Emitting color	White
Beam angle	90° horizontal beam angle 3-7° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	654mm×204mm×134mm
Installation size(mm)	629mm×60mm×4-M10
Ingress protection	Ip66
Lightning protection level	10KA
Operating temperature	-40℃～55℃
Net weight	11.9kg
Wind load	240km/h

Structure chart



CM-17 High Intensity Aviation Obstruction Light type B

Application

Widely used in the Air Force, civilian airports and obstacle free airspace. Mainly used in the electric power tower, the other place above the ground 150m also could use as the actual requirements accordingly.



Main photo

Key Feature

(Low power consumption, easy installation, small size, new appearance)

- The holder of the light adopts high quality aluminium alloy, the light emitting surface use tempered glass, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environment protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.



Front view

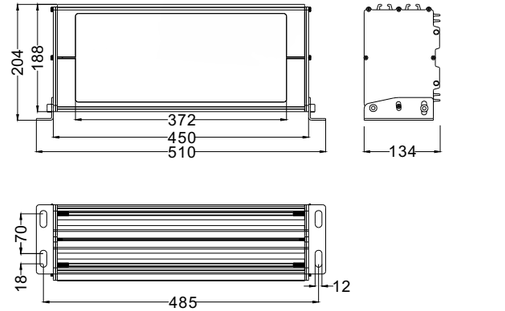


Cable position

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V (Other available)
Power consumption	≤15W
Flashing frequency	40～60times/min
Light source	White LED
Light intensity	2000cd(±25%) (Background Luminance≤50Lux) 20000cd(±25%) (Background Luminance50～500Lux) 100000cd(±25%) (Background Luminance＞500Lux)
Lifespan	＞100,000hours
Emitting color	White
Beam angle	90° horizontal beam angle 3-7° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	510mm×204mm×134mm
Installation size(mm)	485mm×70mm×4-M10
Ingress protection	Ip66
Lightning protection level	10KA
Operating temperature	-40℃～55℃
Net weight	9.5kg
Wind load	240km/h

Structure chart



CM-15 Medium Intensity Aviation Obstruction Light type A

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Medium OBL type B and Low intensity OBL type B together.



Main photo

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Cover of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and painted by spraying plastics, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.



Bottom

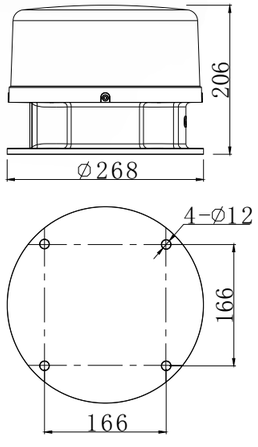


Top

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC12V/DC48V (Other available)
Power consumption	≤9W
Flashing frequency	40～60times/min
Light source	White LED
Light intensity	2000cd(±25%) (Background Luminance≤50Lux) 20000cd(±25%) (Background Luminance50～500Lux) 20000cd(±25%) (Background Luminance＞500Lux)
Lifespan	＞100,000hours
Emitting color	White
Beam angle	360° horizontal beam angle ≥3° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	Φ268mm×206mm
Installation size(mm)	166mm×166 mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Operating temperature	-40℃～55℃
Net weight	5.5kg
Wind load	240km/h.

Structure chart



CK-13-AC Medium Intensity Aviation Obstruction Light type AC

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Medium OBL type B and Low intensity OBL type B together.



Main photo

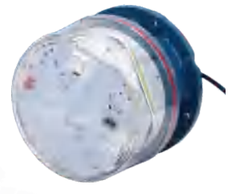
Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Cover of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and painted by spraying plastics, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.



Bottom

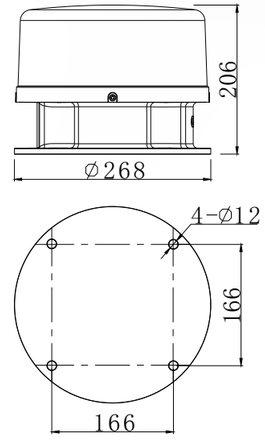


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Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC12V/DC48V (Other available)
Power consumption	≤9W（day）/≤30W（night）
Flashing frequency	40～60times/min （day） N/A （night）
Light source	White/Red LED
Light intensity	＞20000cd(White)/2000cd(Red)
Lifespan	＞100,000hours
Emitting color	White/Red
Beam angle	360° horizontal beam angle ≥3° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	Φ268mm×206mm
Installation size(mm)	166mm×166 mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Operating temperature	-40℃～55℃
Net weight	5.5kg
Wind load	240km/h.

Structure chart



CK-13-AB Medium Intensity Aviation Obstruction Light type AB

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Medium OBL type B and Low intensity OBL type B together.

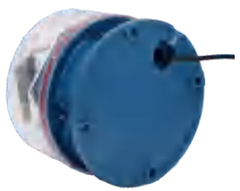


Main photo

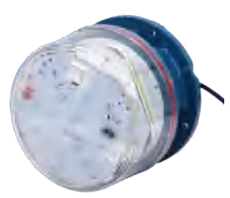
Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Cover of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and painted by spraying plastics, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.



Bottom

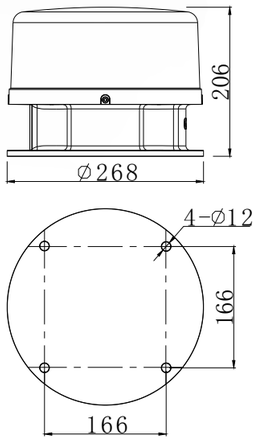


Top

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC12V/DC48V (Other available)
Power consumption	≤9W（day）/≤2W（night）
Flashing frequency	40～60times/min
Light source	White/Red LED
Light intensity	＞20000cd(White)/2000cd(Red)
Lifespan	＞100,000hours
Emitting color	White/Red
Beam angle	360° horizontal beam angle ≥3° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	Φ268mm×206mm
Installation size(mm)	166mm×166 mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Operating temperature	-40℃～55℃
Net weight	5.5kg
Wind load	240km/h.

Structure chart



CK-15-C Medium Intensity Aviation Obstruction Light Type C

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Medium OBL type B and Low intensity OBL type B together.



Main photo

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Cover of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and painted by spraying plastics, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.



Bottom

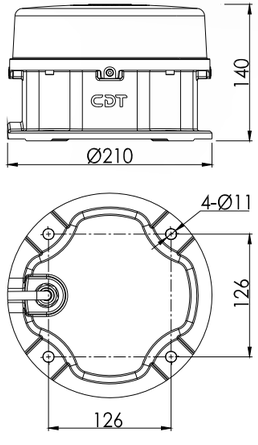


Top

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC12V/DC24V (Other available)
Power consumption	≤30W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	2000cd
Lifespan	＞100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle ≥3° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	Φ210mm×140mm
Installation size(mm)	126mm×126 mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	＜50cd/m²
Operating temperature	-40℃～55℃
Net weight	1.9kg
Wind load	240km/h

Structure chart



CK-15 Medium Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Low intensity OBL type B together.



Main photo

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Cover of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and painted by spraying plastics, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.



Bottom

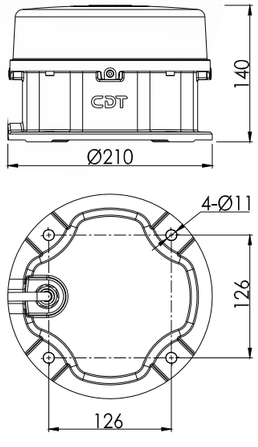


Top

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC12V/DC24V (Other available)
Power consumption	≤2W
Flashing frequency	20～60times/min
Light source	Red LED
Light intensity	2000cd(±25%)
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥3° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	Φ210mm×140mm
Installation size(mm)	126mm×126 mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	1.9kg
Wind load	240km/h

Structure chart



CK-15-S Dual Low Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Low intensity OBL type B together.



Main photo

Key Feature

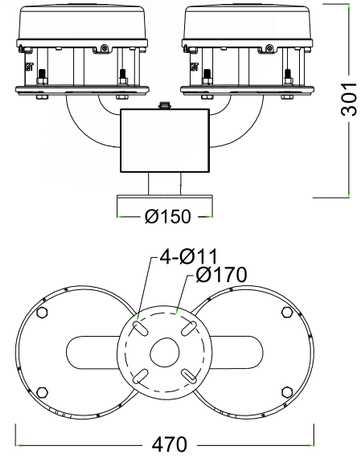
(Low power consumption, easy installation, high brightness, small size)

- Cover of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and steel, painted by spraying plastic, the structure is high strength ,resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC12V/DC24V (Other available)
Power consumption	≤2W
Flashing frequency	20～60times/min
Light source	Red LED
Light intensity	2000cd(±25%)
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥3° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	470mm×210mm×301mm
Installation size(mm)	Φ170 mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	7.0kg
Wind load	240km/h

Structure chart



CK-16 Medium Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Low intensity OBL type B together.



Main photo



Bottom



Top

Key Feature

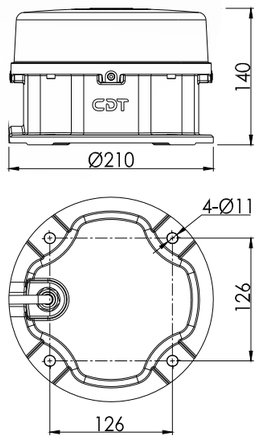
(Low power consumption, easy installation, high brightness, small size)

- Cover of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and painted by spraying plastics, the structure is high strength, resistance to corrosion.
- Use the special optical reflector design, the visual range further, angle more accurate, no light pollution.
- Light source adopts import high quality LED, lifespan up to 100,000 hours, low power consumption, energy efficiency and environmental protection.
- Based on the single chip computer control, automatic identification sync signal, do not distinguish the main light and auxiliary light, and also could be controlled by the controller.
- Same power supply voltage with synchronous signal, integrate in power supply cable, eliminate the damage by error installation caused.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.
- Integral structure, protection level of Ip66.
- GPS synchronizing function is available.

Parameter

Item	Parameter
Standard	FAA，ICAO Standard
Operating voltage	AC220V/DC12V/DC24V (Other available)
Power consumption	≤2W
Flashing frequency	20～60times/min
Light source	Red LED
Light intensity	2000cd(±25%)
Lifespan	＞100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥3° vertical beam spread
Method of synchronization	Built-in GPS / Built-in Photocell(as option)
Overall size(mm)	Φ210mm×140mm
Installation size(mm)	126mm×126 mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	＜50cd/m²
Operating temperature	-40℃～55℃
Net weight	1.9kg
Wind load	240km/h

Structure chart



CK-11 Low Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used below 45m.



Main photo



Bottom



Top

Key Feature

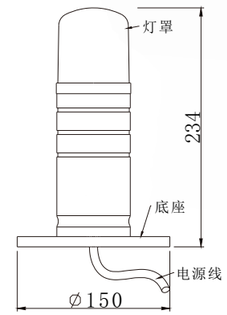
(Low power consumption, easy installation, high brightness, small size)

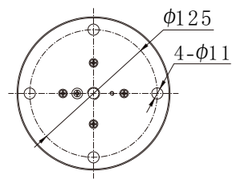
- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the harsh environment very well.
- Holder of the light is made of aluminum alloy, painted by spraying plastic, the structure is high strength ,resistance to corrosion.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

Parameter

Item	Parameter
Standard	FAA，ICAO Standard
Operating voltage	AC100-240V (Other available)
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥32cd
Lifespan	＞100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	Φ150mm×234mm
Installation size(mm)	Φ125mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	＜50cd/m²
Operating temperature	-40℃～55℃
Net weight	1.0kg
Wind load	240km/h

Structure chart

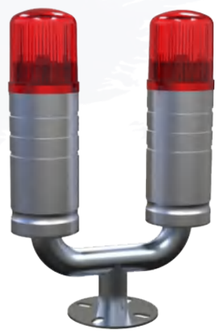




CK-11L-S (Master/Stand-by)Dual Low Intensity Obstruction Light type A

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used below 45m.



Main photo

Key Feature

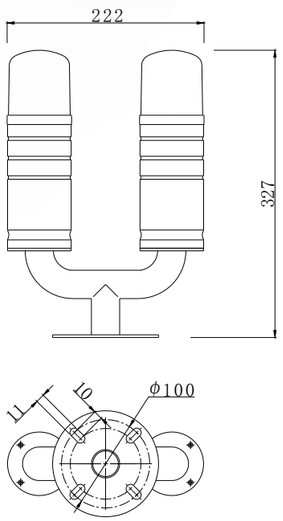
(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the harsh environment very well.
- Holder of the light is made of aluminum alloy and steel, painted by spraying plastic, the structure is high strength ,resistance to corrosion.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC100-240V (Other available)
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥10cd
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	222mm×125mm×327mm
Installation size(mm)	Φ100mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	3.0kg
Wind load	240km/h

Structure chart



CM-11B Low Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used below 45m.



Main photo



Bottom



Top

Key Feature

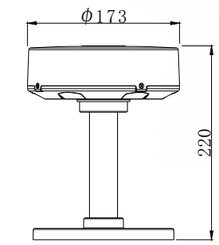
(Low power consumption, easy installation, high brightness, small size)

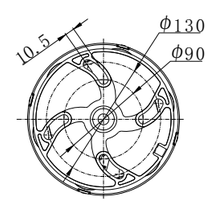
- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the harsh environment very well.
- Holder of the light is made of aluminum alloy and steel, painted by spraying plastic, the structure is high strength ,resistance to corrosion.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC100-240V (Other available)
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥32cd
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	Φ173mm×220mm
Installation size(mm)	Φ120mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	1.1kg
Wind load	240km/h

Structure chart





CM-11-S (Master/Stand-by)Dual Low Intensity Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used below 45m.



Main photo

Key Feature

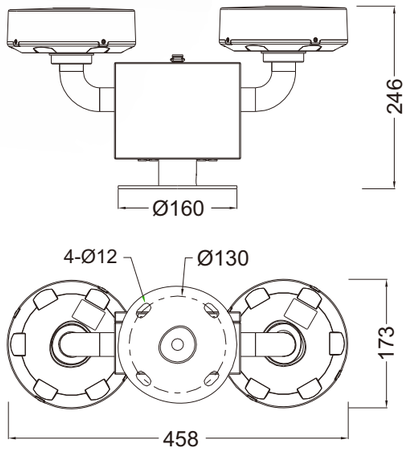
(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the harsh environment very well.
- Holder of the light is made of aluminum alloy and steel, painted by spraying plastic, the structure is high strength ,resistance to corrosion.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC100-240V (Other available)
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥32cd
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	458mm×173mm×246mm
Installation size(mm)	Φ130mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃~55℃
Net weight	3.5kg
Wind load	240km/h

Structure chart



CK-11L-T Solar powered low Intensity Aviation Obstruction Light type A

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used below 45m.

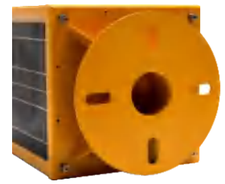


Main photo

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 90%, quite high impact resistance and fits the bad environment very well.
- The body of the light adopts SUS304 stainless steel, House of the light is made of aluminum alloy and painted by spraying plastic, the structure is high strength, resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass Monocrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.



Bottom

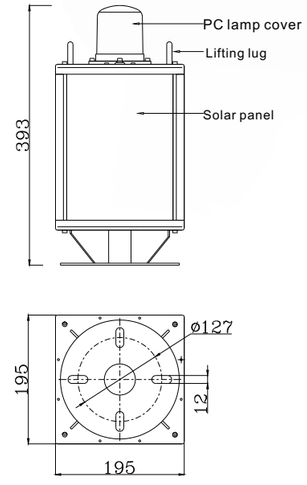
Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	DC6V (Other available)
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥10cd
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	195mm×195mm×393mm
Installation size(mm)	Φ127mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃~55℃
Net weight	8.0kg
Wind load	240km/h

Solar PanelType: Monocrystalline
Solar Panel Dimension:241*170*4mm
Solar Panel Power Consumption/ Voltage:26W/9V
Solar Panel Lifespan: 20 years

Battery Type: Colloidal battery
Battery Capacity: 20AH
Battery Voltage: 6V
Battery Lifespan: 3-5 years

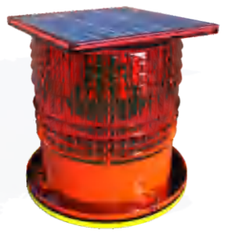
Structure chart



CK-11L-TZ Solar powered low Intensity Aviation Obstruction Light type A

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used below 45m.

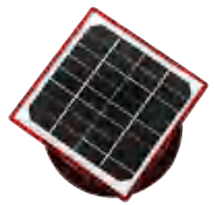


Main photo

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- UV-resistant PC material lampshade, with a transparency of over 90%, strong impact resistance, excellent harsh environment adaptability.
- High structural strength, UV resistance, corrosion resistance.
- The lithium battery is used for energy storage, and the electric conversion efficiency is high.
- The micro-power intelligent control system ensures precise power management and low power consumption.
- Low carbon tempered glass mono crystalline silicon solar panels with high energy efficiency.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

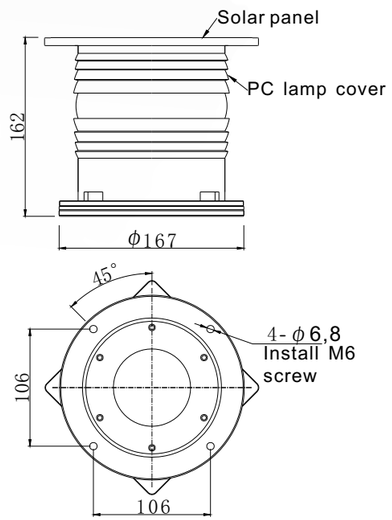


Top

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	DC3.2V
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥10cd
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	167mm×167mm×162mm
Installation size(mm)	106mm×106mm -4×M6
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	1.1kg
Wind load	240km/h

Structure chart



Solar PanelType: Monocrystalline
Solar Panel Dimension:129*129*4mm
Solar Panel Power Consumption/ Voltage:25W/5V
Solar Panel Lifespan: 20 years

Battery Type: Li-Po battery
Battery Capacity: 4.8AH
Battery Voltage: 3.7V
Battery Lifespan: 5-6 years

CM-11-T Solar powered low Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used below 45m.



Main photo

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- The body of the light adopts SUS304 stainless steel, House of the light is made of aluminum alloy and painted by spraying plastic, the structure is high strength, resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass Monocrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

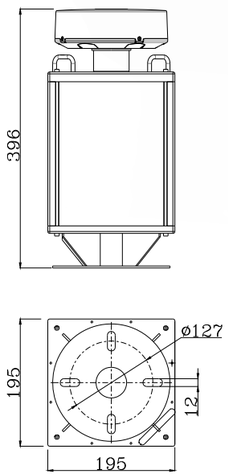


Bottom

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	DC6V (Other available)
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥32cd
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	195mm×195mm×396mm
Installation size(mm)	Φ127mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	8.5kg
Wind load	240km/h

Structure chart



Solar PanelType: Monocrystalline
Solar Panel Dimension:241*170*4mm
Solar Panel Power Consumption/ Voltage:26W/9V
Solar Panel Lifespan: 20 years

Battery Type: Colloidal battery
Battery Capacity: 20AH
Battery Voltage: 6V
Battery Lifespan: 3-5 years

CM-11-TZ Solar powered low Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used below 45m.

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy and steel, painted by spraying plastic, the structure is high strength ,resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass Monocrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

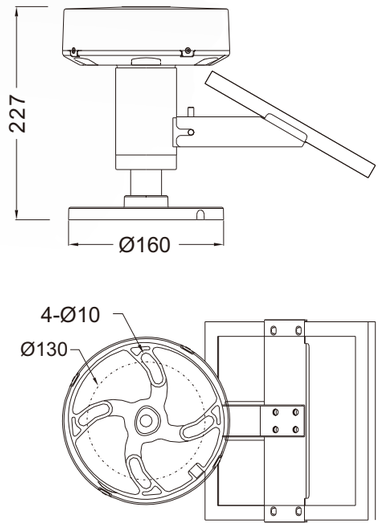


Main photo

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	DC3.7V
Power consumption	≤3W
Flashing frequency	Steady burning
Light source	Red LED
Light intensity	≥32cd
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥10° vertical beam spread
Method of synchronization	N/A
Overall size(mm)	318mm×205mm×162mm
Installation size(mm)	Φ120mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃~55℃
Net weight	2.4kg
Wind load	240km/h

Structure chart



Solar PanelType: Monocrystalline
Solar Panel Dimension:205*195*15mm
Solar Panel Power Consumption/ Voltage:6.5W/6V
Solar Panel Lifespan: 20 years

Battery Type: Li-Po battery
Battery Capacity: 8.8AH
Battery Voltage: 4.2V
Battery Lifespan: 5-6 years

CK-15-T Solar powered medium Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.
Usually used above 45m and less than 150m buildings, could use alone, also could use with Low intensity OBL type B together.

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- The body of the light adopts SUS304 stainless steel, House of the light is made of aluminum alloy and painted by spraying plastic, the structure is high strength, resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass Monocrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.



Main photo



Bottom

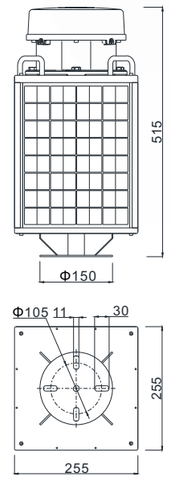


Switch

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	DC12V
Power consumption	≤2W
Flashing frequency	20~60times/min
Light source	Red LED
Light intensity	2000cd(±25%)
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥3° vertical beam spread
Method of synchronization	GPS
Overall size(mm)	195mm×195mm×396mm
Installation size(mm)	Φ127mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃~55℃
Net weight	17kg
Wind load	240km/h

Structure chart



Solar PanelType: Monocrystalline
Solar Panel Dimension:320.8*230*5mm
Solar Panel Power Consumption/ Voltage:42W/18V
Solar Panel Lifespan: 20 years

Battery Type: Colloidal battery
Battery Capacity: 24AH
Battery Voltage: 12V
Battery Lifespan: 3-5 years

CK-15XT Solar powered medium Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Low intensity OBL type B together.



Main photo



Main photo

Key Feature

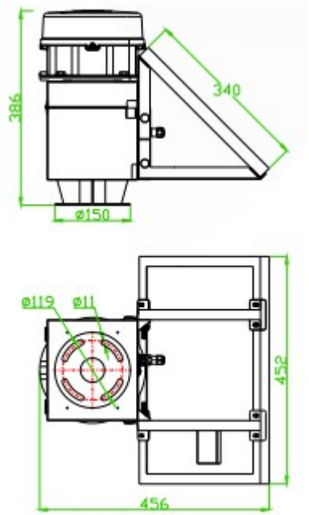
(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- The body of the light adopts SUS304 stainless steel, House of the light is made of aluminum alloy and painted by spraying plastic, the structure is high strength, resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass Monocrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

Parameter

Item	Parameter
Standard	FAA，ICAO Standard
Operating voltage	DC12V
Power consumption	≤2W
Flashing frequency	20～60times/min
Light source	Red LED
Light intensity	2000cd(±25%)
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle ≥3° vertical beam spread
Method of synchronization	GPS
Overall size(mm)	456mm×452mm×386mm
Installation size(mm)	Φ119mm -4×M11
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	14.5kg
Wind load	240km/h

Structure chart



Solar PanelType: Monocrystalline
Solar Panel Dimension:452*340*25mm
Solar Panel Power Consumption/ Voltage:25W/16V
Solar Panel Lifespan: 20 years

Battery Type: Colloidal battery
Battery Capacity: 24AH
Battery Voltage: 12V
Battery Lifespan: 3-5years

CK-15XT-S (Master/Stand-by)Solar powered medium Intensity Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Low intensity OBL type B together.



Main photo



Main photo

Key Feature

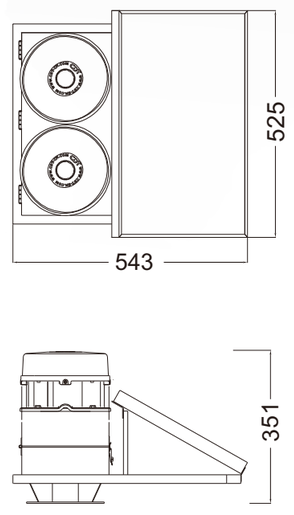
(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- The body of the light adopts SUS304 stainless steel, House of the light is made of aluminum alloy and painted by spraying plastic, the structure is high strength, resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass Monocrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.

Parameter

Item	Parameter
Standard	FAA，ICAO Standard
Operating voltage	DC12V
Power consumption	≤2W
Flashing frequency	20～60times/min
Light source	Red LED
Light intensity	2000cd(±25%)
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle ≥3° vertical beam spread
Method of synchronization	GPS
Overall size(mm)	525mm×543mm×351mm
Installation size(mm)	Φ125mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	25kg
Wind load	240km/h

Structure chart



Solar PanelType: Monocrystalline
Solar Panel Dimension:550*340*25mm
Solar Panel Power Consumption/ Voltage:25W/16V
Solar Panel Lifespan: 20 years

Battery Type: Colloidal battery
Battery Capacity: 24AH
Battery Voltage: 12V
Battery Lifespan: 3-5 years

CK-15-TZ Solar powered medium Intensity Aviation Obstruction Light type B

Application

Widely used in various fields of the Air Force, civilian airports and obstacle free airspace, helipads, iron tower, chimney, ports, wind power plants, bridge and city high-rise buildings where require aviation warning.

Usually used above 45m and less than 150m buildings, could use alone, also could use with Low intensity OBL type B together.



Main photo

Key Feature

(Low power consumption, easy installation, high brightness, small size)

- Lamp shade of the light adopts PC with anti-UV which is high efficiency light transmission up to 92%, quite high impact resistance and fits the bad environment very well.
- Holder of the light is made of aluminum alloy , painted by spraying plastic, the structure is high strength ,resistance to corrosion.
- Special battery for solar energy, free maintenance and high reliability, lifetime more than 3 years.
- Based on the single chip computer micro power control, could control the charge and discharge precisely.
- Mild steel change glass Monocrystalline silicon solar panels, energy efficiency high (> 18%), lifetime more than 20 years.
- Further use reflector optical design, visual distance, angle more accurately, thoroughly eliminate the light pollution.
- Light source adopts LED with long lifespan up to 100,000hrs, lower power consumption and high efficiency.
- Used the photosensitive probe fit for the natural light spectrum curve, automatic control light intensity level.
- The circuit of the light has surge protection, so that the light is suitable for a harsh environment.



Bottom

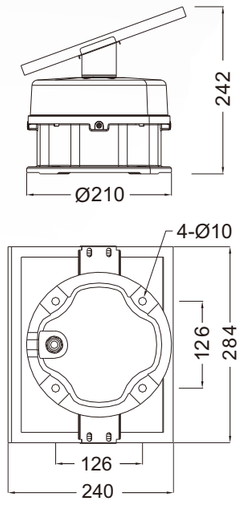


Top

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	DC3.7V
Power consumption	≤2W
Flashing frequency	20～60times/min
Light source	Red LED
Light intensity	1500cd(±25%)
Lifespan	>100,000hours
Emitting color	Red
Beam angle	360° horizontal beam angle
	≥3° vertical beam spread
Method of synchronization	GPS
Overall size(mm)	240mm×184mm×242mm
Installation size(mm)	126mm×126mm -4×M10
Ingress protection	Ip66
Lightning protection level	10KA
Light controlled sensitivity	<50cd/m²
Operating temperature	-40℃～55℃
Net weight	4.1kg
Wind load	240km/h

Structure chart



Solar PanelType: Monocrystalline
Solar Panel Dimension:284*260*15mm
Solar Panel Power Consumption/ Voltage:12W/7V
Solar Panel Lifespan: 20 years

Battery Type: LI-Po battery
Battery Capacity: 36AH
Battery Voltage: 3.7V
Battery Lifespan: 5-6years

CM-ZAQ Aircraft Warning Sphere

Application

Aviation obstruction marking sphere is designed to provide daytime visual warning or night time visual warning if comes with reflective tape, for electricity transmission line and overhead wire for aircraft pilots, especially cross river high voltage transmission lines.
CDT power line marker ball is made of high-grade Fiberglass Reinforced Plastics(FRP), diameter of 600mm and 800mm are available to meet diff erent customers' needs.
A marking sphere should be of one color such as aviation orange, white and red. Generally, the marking spheres are placed on the highest line. Where there is more than one line at the highest level, white and red, or white and orange spheres should be displayed alternately. This alternating color scheme provides the most conspicuity against all back.



Main photo(Red)



Main photo(White)

Key Feature

- The aviation sign ball is designed as a hollow thin-walled spherical shape, and is made of general-purpose lightweight and high-strength polycarbonate material. It has the advantages of light weight, high strength, impact resistance, corrosion resistance, and UV protection.
- Super corrosion resistant character, stainless steel bolts and nuts.
- Aluminum alloy cable clamp guarantees good corrosion resistance.
- Various size of cable clamps are available fo fit for customers' cable conductor.
- Drain holes structure can prevent accumulated rain water inside the spheres.
- Stacking compatible design, save storage space and freight charge.
- Optional preformed armor rods provide better protection against vibration and abrasion.
- Optional reflective tape is more durable and economical solution for night visibility.
- Both sphere diameters of 600mm and 800mm are available.

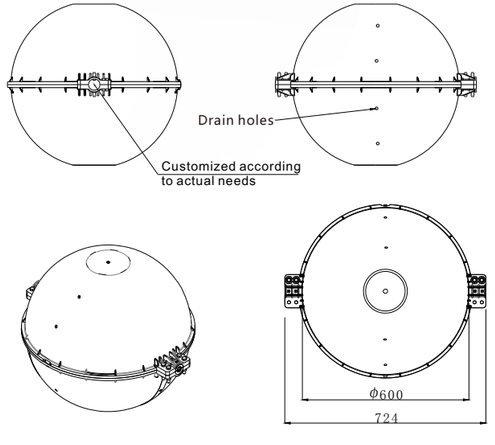


Main photo(Orange)

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Color	Orange, Red, White,
	Orange/White, Red/White
Sphere body	polycarbonate
Cable clamp	Aluminum
alloyBolts/nuts/washers	Stainless steel 304
Diameter	600mm / 800mm
Weight	≤7.0KG / 9.0KG
Drain holes	Yes
Optional	Preformed Armor Rods Reflective
StripVisible Distance	1200 meters
Voltage Range	35KV-1000KV
Conductor diameter	10-34mm
Operating temperature	-40℃～55℃
Wind load	240km/h

Structure chart



CK-11 Conductor Marking Light

Description

● Conductor marking lights are a particular type of aircraft warning lights designed for overhead power lines. They are visible at night, unlike overhead wire markers which rely on daylight.

● Conductor marking lights increase night conspicuity of transmission line catenary wires near airports, heliports, across rivers. Lamps mark and light overhead power lines support structures (towers) as well as high voltage transmission line catenary wires.It is one assembly light with multi-LEDS technology. Dedicated to the beaconing of high voltage lines,it is a long life system (100,000 hours). Its compact design and light weight allow the quickest and easiest installation on the market.



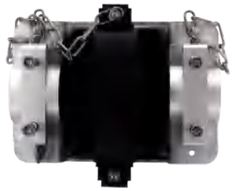
Main photo

Working Principle

Faraday's Law of induction involving Magnetic Flux flowing through a circuit which powers the warning light.

Inductive Magnetic Device

The Warning light is powered by the magnetic field surrounding the power distribution wire and uses an electronic circuit integrated in a compact clamp-on warning light. The operating principle is that of a Rogowski coil, similar to a current transformer. This solution is usually intended for medium and high voltage lines up to 500 kV. However inductive coupling devices are able to work on any AC at 50 Hz or 60 Hz, from 15A up to 2000A.



Bottom



Top

Advantages

- Multi-LEDs
- Compact design
- Corona Extinction
- Internal Photosensor
- Easy way for mounting
- Natural stability based on specific nut
- Easy way for bulb replacement
- Light weight
- No maintenance
- 3 years warranty
- Only 1 reference for all line voltage

Application

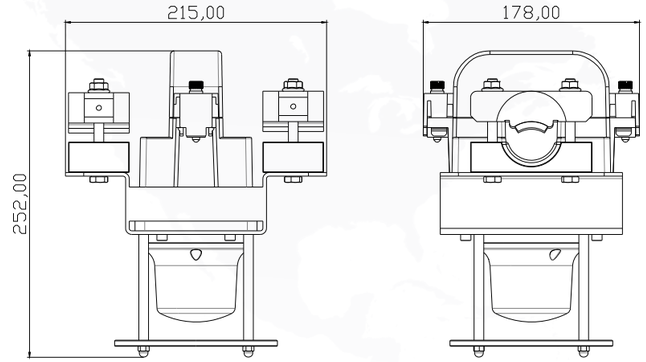
- Transmission Line
- Overhead Power Line
- Low,medium and high voltage lines

CK-11 Conductor Marking Light

Features

- LED light source adopts CREE LED beads, which has high luminous efficiency, long life and low energy consumption.
- The lampshade adopts imported anti-UV PC material, which is resistant to high temperature, impact and environmental applicability.
- The frame of the clamp is made of Alloy Anodized aluminum alloy
- Maintenance free. The lamp body is designed separately from the mounting bracket, and the installation operation is simple
- Suitable for high-voltage wire diameter range, from 15mm-40mm in diameter.

Key Feature



Characteristics

LUMINOUS

Luminous Source	LEDS
Type of Obstruction Light	Low Intensity,Type B
Color	Red
Horizontal Beam	360°
Vertical Beam	10°
Luminous Intensity	
15A＜Conductor Current＜50A	10cd
Conductor Current ＞50A	32cd
Lifespan	100,000 hours

ELECTRICAL

Voltage Lines	1V to 500kV
Compatible Conductor Diameter	15mm to 40mm
Functioning Temperature	-55℃ to + 65℃
HV Current	15A-2000A
Operating Line Frequency	50Hz/60Hz
Photocell Activation	50Lux
Power Consumption	＜5W
Net Weight	4.1kg

WARRANTY

Warranty	3 years

MECHANICAL

Body Material	Aluminum alloy + Rubber
Lens Material	Polycarbonate
Mounting	Bolts and Nuts (Stainless Steel)
Height	252mm
Width	215mm
Length	178mm

ENVIRONMENTAL

Humidity	95%
Frost	-60℃
Wind Speed	240Km/h

PHOTOMETRIC STANDARD COMPLIANCE

ICAO	ANNEX 14, Volume I, Chap. 6
ICAO TYPE B	Low intensity obstacle light
FAA	AC 150/5345-43
FAA Type L-810	Low intensity obstacle light
Quality	ISO9001;2015

CM-DKN Obstruction Light Indoor Controller

Application

For the CM-DKN aviation obstruction indoor's controller is fit for our company's all series aviation obstruction's synchronization flashing work and monitor the light's working status. This product is an indoor's type, the waterproof grade is IP43,could use for the indoor's environment directly.



Key Feature

- Use the steel shell and spray coating techniques, resistance to corrosion, anti-UV.
- The voltage of the power circuit and signal control line is same, so the connection of the wires are simple and reliable, it will not cause damage to the lightings and controller when connect the error line shortly.
- Control circuit use the MCU control, can simultaneously control 4000W load power / within 200 units aviation obstruction lights synchronized flashing or steady.
- Controller have 3 kinds operating modes: automatic, manual, close

  Automatic mode: automatically shutdown during the day, turn off the aviation light control output; automatically turn on at night an open aviation light control output.

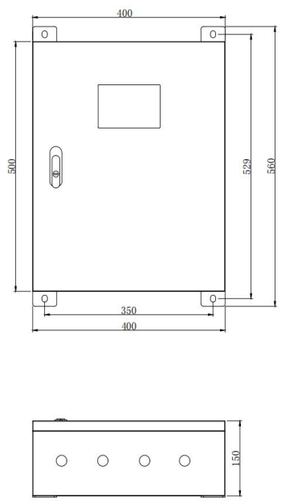
  Work in manual mode: work status is forced open

  Work close mode: work status is forced closed, three operating modes can be switched by the user .
- The controller can also customize the fault alarm function, when one of the lights working abnormally controlled failed, the indicator on the controller can be shown, also could use the dry contacts to alarm the external environment .
- The function of this aviation obstruction light controller is very powerful, performance is reliable and safe. Use and maintenance are simple and convenient; and with anti-surge device, can be applied to a poor working environment.

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC48V (Otheravailable)
Power consumption	≤15W
Load capacity	≤4000W
Flashing frequency	20~60 times
Number of control auxiliary light	12 units
Ingress protection	Ip65
Controlled environment brightness	50~500Lux
Operating temperature	-40℃~55℃
Altitude	≤4500m
Wind load	10kg
Net weight	240km/h
Overall size(mm)	400mm×560mm×150mm
Installation size(mm)	350mm×529-4×M9

Structure chart



CM-DKW Obstruction Light Outdoor Controller

Application

For the CM-DKM aviation obstruction outdoor controller is fit for our company's all series aviation obstruction's synchronization flashing work and monitor the light's working status. This product is an indoor's type, the waterproof grade is IP65,could use for the outdoor environment directly.



Key Feature

- Use the steel shell and spray coating techniques, resistance to corrosion, anti-UV
- The voltage of the power circuit and signal control line is same, so the connection of the wires are simple and reliable, it will not cause damage to the lightings and controller when connect the error line shortly.
- Control circuit use the MCU control, can simultaneously control 2000W load power / within 100 units aviation obstruction lights synchronized flashing or steady.
- Controller have 3 kinds operating modes: automatic, manual, close

  Automatic mode: automatically shutdown during the day, turn off the aviation light control output; automatically turn on at night an open aviation light control output.

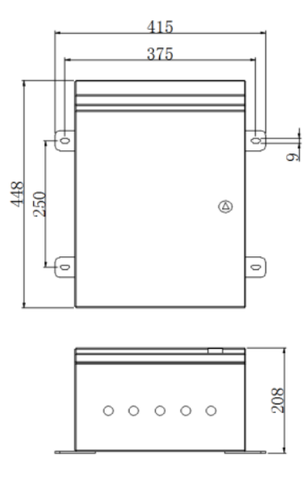
  Work in manual mode: work status is forced open

  Work close mode: work status is forced closed, three operating modes can be switched by the user .
- The controller can also customize the fault alarm function, when one of the light it controlled failed, the indicator on the controller can be shown, also could use the dry contacts to alarm the external enviroment.
- The function of this aviation obstruction light controller is very powerful, performance is reliable and safe. Use and maintenance are simple and convenient; and with anti-surge device , can be applied to a poor working environment.

Parameter

Item	Parameter
Standard	FAA , ICAO Standard
Operating voltage	AC220V/DC48V (Other available)
Power consumption	≤15W
Load capacity	≤4000W
Flashing frequency	20~60 times
Number of control auxiliary light	80 units
Ingress protection	Ip65
Controlled environment brightness	50~500Lux
Operating temperature	-40℃~55℃
Altitude	≤4500m
Wind load	10kg
Net weight	240km/h
Overall size(mm)	415mm×448mm×208mm
Installation size(mm)	375mm×250mm-4xM9

Structure chart



Mounting Steps of Obstruction Light for Iron Tower

Application

Reference as ICAO(Attachment No.14) and CAAC standard MH5001-2013 requires:

Obstruction light should be mounted three position in the tower:

The top of iron tower;

The lowest position of wire and cable's suspension;

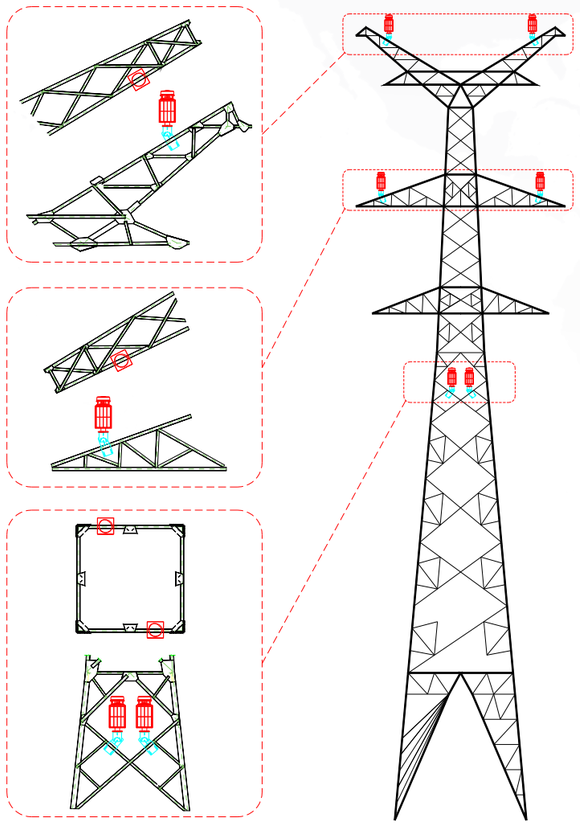
The medium position between the top of tower and The lowest

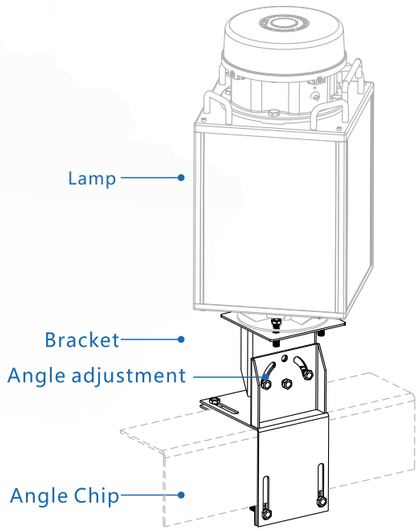
Position of wire and cable's suspension.

Obstruction Light types can be chosen as below:



Mounting chart





Mounting Bracket

Application bracket of vertical angle iron type

Installation Instruction

Item: Mounting Bracket of Vertical AngleIron Type

Model: CM-CZZJ-TJ

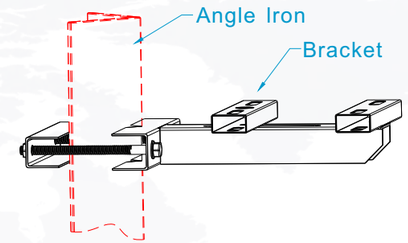
Overall Size: 200*60*387mm

(Customized available)

Installation Size Wide: 80-140 Angle Iron

Material: Stainless steel

Installation: type Angle Installation



Mounting Bracket of Horizontal Angle Iron Type

Installation Instruction

Item: Mounting Bracket of Horizontal Angle Iron Type

Model: CM-SPZJ-TJ

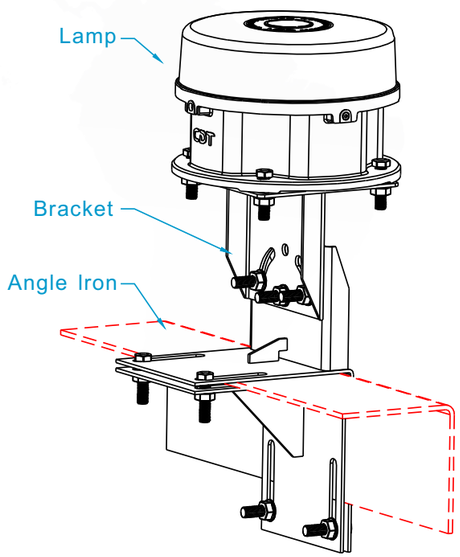
Overall Size: 160*170*341mm

(Customized available)

Installation Size Wide: 80-140 Angle Iron

Material: Stainless steel

Installation: type Angle Installation



Mounting Bracket

Vertical Type Mounting Bracket

Installation Instruction

Item: Vertical Type Mounting Bracket

Model: CM-ZLZJ-TJ

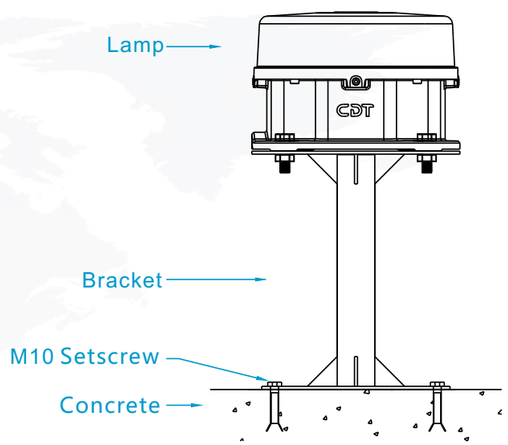
Overall Size: Ø210mm*240mm

(Customized available)

Installation Size: Ø120mm-4*M10

Material: Stainless steel

Installation: typeHorizontal installion



Side of Vertical Type Mounting Bracket

Installation Instruction

Item: Side of Vertical Type Mounting Bracket

Model: CM-CLZJ-TJ

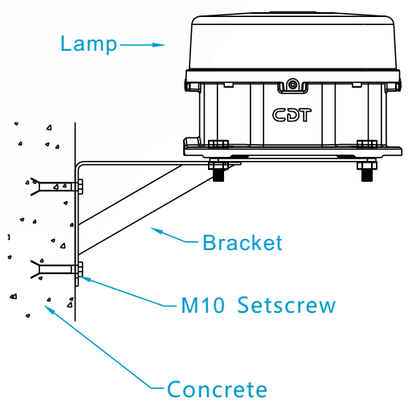
Overall Size: 290*160*120mm

(Customized available)

Installation Size: 80*46mm-4*M10

Material: Stainless steel

Installation: type Horizontal installion



Mounting Bracket

Anchorear Type Mounting Bracket

Installation Instruction

Item: Anchorear Type Mounting Bracket

Model: CM-BKZJ-TJ

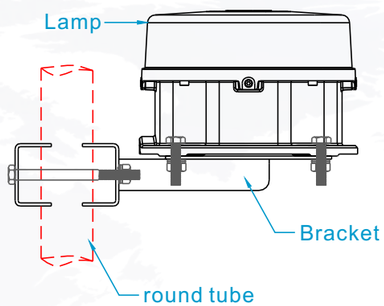
Overall Size: 160*60*330mm

(Customized available)

Installation Size : Φ40-60mm

Material: Stainless steel

Installation: type Cylindrical installation



Curtain Wall Type Mounting Bracket

Installation Instruction

Item: Curtain Wall Type Mounting Bracket

Model:CM-MQZJ-TJ

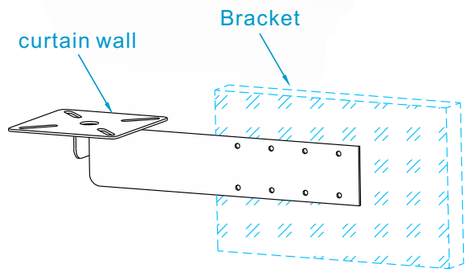
Overall Size: 160*160*480mm

(Customized available)

Installation Size: 8*M6

Material: Stainless steel

Installation: type Curtain Wall Installation



HELIPORT LIGHTINGS



CM-HT12/A HELIPORT LIGHTING

CM-HT12/A Heliport Beacon Light

Application

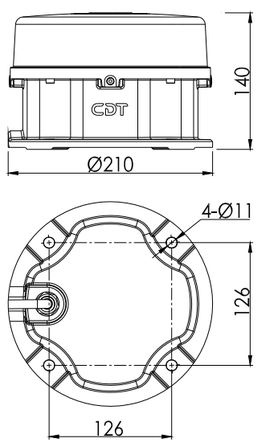
Heliport beacon light is a white flashing light, as a distance visual guidance. It's so important especially when the ambient light makes it difficult to see there is a heliport. According to ICAO, every heliport should have at least one light beacon. It should be installed above or near the heliport, it will be better if it is installed in an elevated place. Please make sure it will not let the pilot feel glaring in short distance.



Key Feature

- The lamp cover adopts PC material with excellent impact resistance (IZOD notch impact strength: 90), thermal stability (service temperature can be 130℃), great transparency (available with a light transmission of up to 92%), auto-UV resistance, aging resistance and flammability rating in UL94V0.
- The house of the light adopts aluminum alloy and stainless steel SUS304, on the surface use the oxidation treatment, the product features are light weight, water tightness, seismic and corrosion resistance.
- Light source adopts imported LED, featuring high light (100Lm/W), light source life for flashing reaching 100,000,000 times. Widely used in the domestic and international aviation field.
- The light with surge protection device (In 7.5KA/5 times, Imax 15KA) can be used in the harsh environment.

Item	Parameter
Model	CM-HT12/A
Operating voltage	AC220V (Other available)
Power consumption	≤15W
Flash Frequency	4 times/2seconds
Light Intensity	2500cd
Light Source	LED
Light Source Lifespan	100,000hours
Emitting Color	White
Ingress Protection	Ip66
Altitude	≤2500m
Operating temperature	-40℃~55℃
Wind Load	240km/h
Weight	1.9kg
Overall Dimension (mm)	210mm×210mm×140mm
Installation Dimension (mm)	126mm×126mm×4-Ø11



Structure chart

CM-HT12/CU HELIPORT LIGHTING

CM-HT12/CU Heliport Perimeter Lights (Elevated)

Application

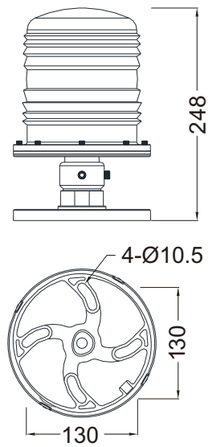
Heliport perimeter light is a constant green upright installing light. Emitting omnidirectional green light at night or in the daytime with low visibility to indicate the perimeter of heliport take off and land area, to indicate the safe landing area for the helicopter pilot. It is controlled by a switch in the heliport control cabinet.



Key Feature

- The lamp cover adopts PC material with excellent impact resistance (IZOD notch impact strength: 90), thermal stability (service temperature can be 130℃), great transparency (available with a light transmission of up to 90%), auto-UV resistance, aging resistance and flammability rating in UL94V0.
- The house of the light adopts aluminum alloy, the product features are light weight, water tightness, seismic and corrosion resistance.
- Light source adopts the international advanced LED featuring low power consumption, high efficiency and light source lifespan reaching 100,000 hr.
- The light with surge protection device (In 7.5KA/5 times, Imax 15KA) can be used in the harsh environment.

Item	Parameter
Model	CM-HT12/CU
Operating voltage	AC220V (Other available)
Power consumption	≤5W
Light Intensity	30cd
Light Source	LED
Light Source Lifespan	100,000 Hours
Emitting Color	Green/Blue/Yellow/White
Ingress Protection	Ip65
Altitude	≤2500m
Operating temperature	-40℃ ~ 55℃
Wind Load	240km/h
Weight	2.1kg
Overall Dimension (mm)	Ø180mm×248mm
Installation Dimension (mm)	Ø130mm×4-Ø11



Structure chart

CM-HT12/D HELIPORT LIGHTING

CM-HT12/D Inset FATO Heliport Light & Aim Point Light





Application

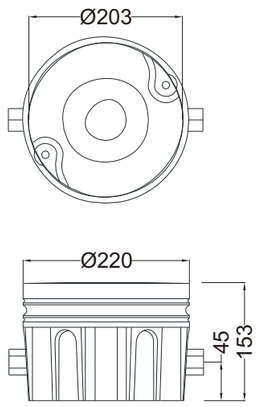
FATO Helipad aim point Landing light is a steady burning white inset installing light. Emitting Omnidirectional white light at night or in the daytime with low visibility to show the accurate loading place for loading helicopter. It is controlled by a switch in the heliport control cabinet.

Key Feature

- Adopt toughened optical glass with high strength,good abrasion resistance,strong impact resistance and light transmittance of more than 95%.
- The upper cover of the light is made of high quality aluminum alloy with good mechanical properties, strong bearing capacity and impact resistance.
- The light body is made of corrosion-resistant aluminum and the surface is anodized. All fasteners are made of stainless steel, which can be used in various environments.
- The light surface is smooth and no acute angles to ensure the safety of the heliport tires.
- The light source LED adopts the imported international advanced long-life, low power consumption, and high-efficiency chip package (lifetime exceeds 100,000 hours).Strict LED color management to ensure the consistency of light color.
- The power factor is greater than 0.9, which can minimize the interference to the power grid.
- The power line of the light is equipped with anti-surge device (10KV / 5KA surge protection), which can be applied to harsh climate environment.
- The dust-proof and waterproof grade can reach IP68, and the power supply adopts glue sealing technology.



Item	Parameter
Model	CM-HT12/D
Operating voltage	AC220V/6.6A (Other available)
Power consumption	≤9W
Light Intensity	100cd
Light Source	White LED
Light Source Lifespan	100,000 Hours
Emitting Color	White
Ingress Protection	Ip68
Altitude	≤2500m
Operating temperature	-40℃～55℃
Wind Load	240km/h
Weight	7.3kg
Overall Dimension (mm)	Ø220mm×160mm
Installation Dimension (mm)	Ø220mm×153mm



Structure Chart

CM-HT12/CQ HELIPORT LIGHTING

CM-HT12/CQ Inset TLOF Heliport Light





Application

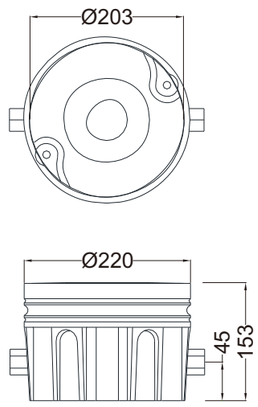
TLOF Helipad aim point Landing light is a constant green upright installing light. Emitting omnidirectional green light at night or in the daytime with low visibility to indicate the perimeter of heliport take off and land area, to indicate the safe landing area for the helicopter pilot. It is controlled by a switch in the heliport control cabinet.

Key Feature

- Adopt toughened optical glass with high strength,good abrasion resistance,strong impact resistance and light transmittance of more than 95%.
- The upper cover of the light is made of high quality aluminum alloy with good mechanical properties, strong bearing capacity and impact resistance.
- The light body is made of corrosion-resistant aluminum and the surface is anodized. All fasteners are made of stainless steel, which can be used in various environments.
- The light surface is smooth and no acute angles to ensure the safety of the heliport tires.
- The light source LED adopts the imported international advanced long-life, low power consumption, and high-efficiency chip package (lifetime exceeds 100,000 hours).Strict LED color management to ensure the consistency of light color.
- The power factor is greater than 0.9, which can minimize the interference to the power grid.
- The power line of the light is equipped with anti-surge device (10KV / 5KA surge protection), which can be applied to harsh climate environment.
- The dust-proof and waterproof grade can reach IP68, and the power supply adopts glue sealing technology.



Item	Parameter
Model	CM-HT12/CQ
Operating voltage	AC220V/6.6A (Other available)
Power Consumption	≤7W
Light Intensity	30cd
Light Source	Green/Blue/Yellow LED
Light Lifespan	100,000 Hours
Emitting Color	Green/Blue/Yellow
Ingress Protection	Ip68
Environment Humidity	≤2500m
Altitude	-40℃～55℃
Environment Temperature	240km/h
Wind Load	7.3kg
Net Weight	Ø220mm×160mm
Light Barrel Size	Ø220mm×153mm



Structure Chart

CM-HT12/N HELIPORT LIGHTING

CM-HT12/N Heliport Flood Light

Application

Heliport flood light is a ground surface installation light. It's used to lighten the surface of the heliport, ensuring the heliport surface illumination no less than 10 Lux, making the heliport sign easy to see and giving the landing heliport accurate guidance. Uniform illumination of the heliport make the pilot to reduce eye glare as much as possible in short distance.



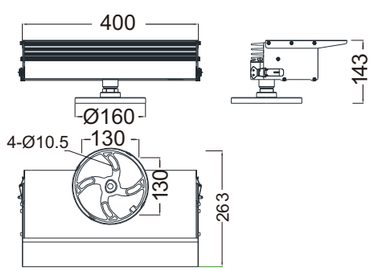
Key Feature

- All-aluminum alloy case, light weight, high structural strength, corrosion resistance and excellent heat dissipation.
- Imported LED light source, long life, low power consumption and high brightness.
- The glazing surface is tempered glass, which has excellent impact resistance, good thermal stability (500 ° C temperature resistance), good light transmission (light transmittance up to 95%), UV resistance and aging resistance.
- The lamp holder is made of aluminum alloy liquid casting, and the surface is oxidized, which has the characteristics of full sealing, waterproof and corrosion resistance.
- Reflector based on the principle of reflection, the light utilization rate is over 92%, and the light exit angle can be more accurate, the visible distance is farther, and the light pollution is completely eliminated.



- The light source is a white LED, which adopts international advanced long-life, low-power, high efficiency chip package (lifetime over 100,000 hours) and color temperature of 5000K.
- The complete set of lamps and lanterns adopts full packaging technology, which is resistant to impact, vibration and corrosion, and can be used in harsh environments for a long time. The structure is light and firm, and the installation is simple.

Item	Parameter
Model	CM-HT12/N
Operating voltage	AC220V (Other available)
Power Consumption	≤60W
Luminous flux	≥10,000LM
Light Source	White LED
Light Lifespan	100,000 Hours
Emitting Color	White 5000K
Ingress Protection	Ip65
Environment Humidity	0-100%
Altitude	≤2500m
Environment Temperature	-40℃～55℃
Wind Load	240km/h
Net Weight	6.0kg
Light Barrel Size	40mm×263mm×143mm



Structure Chart

CM-HT12-XZ-3 HELIPORT LIGHTING

CM-HT12-XZ-3 Heliport Rotating Beacon Light

Application

The Heliport Rotating Beacon is used primarily for night operations at heliports as an identification and location marker.



Key Feature

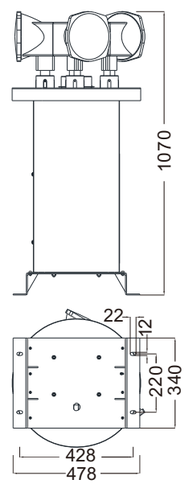
- Light intensity and light color meet the requirements.
- Sophisticated optical control, light utilization, high brightness, outstanding optical performance.
- Lamps shape is handsome, good thermal performance, well-designed.
- The lamp uses a split structure, reducing impurities and moisture into the lamp,improving the service life of lamp optics, reducing the number of maintenance operations.
- The main body of the lamp is made of aluminum alloy.The fastener is made of stainless steel, and the anti-corrosion performance is good.
- Adopts high-precision machine tool processing, ensuring a full range of lamps quality and accuracy.

Application Environment

Altitude below 2500 meters;
Outdoor: -40 ℃ - +55 ℃;
Relative humidity: 95%;
(+ 24.5 ℃), the maximum humidity
can be greater than 100% ;
Rain, snow, ice, water;
Corrosive salt spray.

Technical Indicators

Halogen lamp3*150W;
Lamp Using Life:⩾1000 hours;
White,Green,Yellow Color;
Lamp angle can be adjusted;
12 RPM, 36 times per minute flash;
304 Steel cabinet with powder layer;
Voltage:AC220V.



Structure chart

CM-HT12/SAGA HELIPORT LIGHTING

CM-HT12/SAGA System for Approach Azimuth Guidance

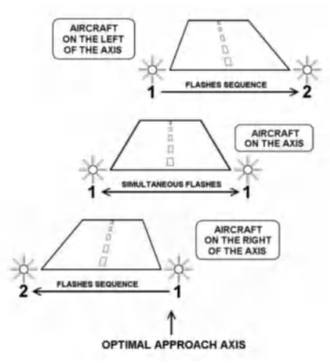
Introduction

The SAGA (System of Azimuth Guidance for Approach) provides a combined signal of approach azimuth guidance and threshold identification.

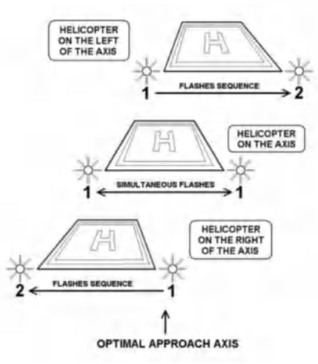
Component	Description
Lamp	One 12 Vac 105 W pre-focused halogen reflector lamp
Power supply	110V-230 Vac 50/60 Hz
Electrical consumption	Less than 250 W for the SAGA system and 240 W maximum for the heating resistors
Visual range	10 nautical miles in standard visibility conditions
Operation angular sector	15 degrees on both side of the approach axis
Axis accuracy	+/- 0.45 degree in azimuth
Delay between flashes	From 60 to 300 ms
“Flashes” frequency	0.5 Hz
Finish	Body, Cap and Support are in aluminium alloy,phosphated and painted in aviation yellow. All fixingsand fastenings are stainless steel. The IP 65 – 20Joules Power Supply Box is made of reinforced polyester.
Working temperature	From -40°C to +50°C
Remote CMS	Remote control from 48 Vdc. Monitoring feed back signal using two dry contacts (Contact capacity = 250 V / 1A maximum).
The System of Azimuth Guidance for Approach will comply with ICAO recommendations Annex 14, VolumeI paragraph 5.3.4 and French STAC.	
It will comprise of 2 “Flashing” Units (master and slave) located symmetrically on both sides of the runway (or TLOF for heliport) threshold.	

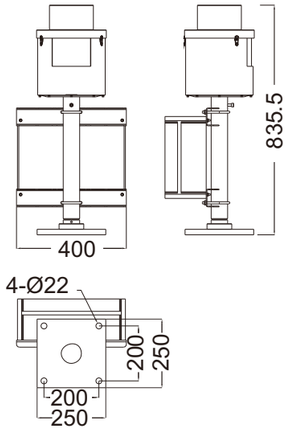


SAGA for RUNWAY



SAGA for TL





Structure Chart

CM-HT12/VHF HELIPORT LIGHTING

CM-HT12/VHF Radio Receiver VHF

Compliance and Applications

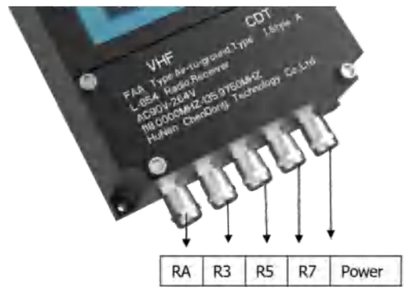
FAA type:
L-854 Radio Receiver/Decoder, Air- to-ground,Type 1,Style A
ETL Certified to:
FAA AC 150/5345-49C

Our L-854 FM radio receiver/decoder is designed to provide pilots direct, unassisted air-to-ground control of airfield lighting systems. This field tunable radio allows pilots to activate airfield lighting with a series of 3,5, or 7 microphone clicks in a 5 second period. An integrated selectable timer shuts airfield lights off after 1, 15, 30, or 60 minutes of illumination. Our L-854 receiver is particularly useful for small to mid-sized airfields where continuous night time illumination is unnecessary and expensive. The unit is a virtual necessity for remote sites where the volume of qualified on-site control personnel may be limited. Our rugged, solid state design will provide years of service and is the perfect replacement for aging “crystal” based units.

Item	Parameter
Power supply	AC90V-264V, 50HZ – 60HZ
Working temperature	Outdoor -40° - 55°, indoor -20° - 55°
Receiving frequency	118.000HZ – 135.975HZ, channel spacing 25000Hz channel GMS frequency band: 850MHZ, 900MHZ, 1800,1900MHz
Sensitivity	5 microvolts, adjustable.
Signal output frequency	> 50HZ
Four outputs	RA, R3, R5, R7
Waterproof rating	IP54
Size	186mm * 134mm * 60mm



Antenna Port



Cable Entry



CM-HT12/P HELIPORT LIGHTING

CM-HT12/P Airport PAPI/Heliport CHAPI

Application

Applied for civil or military airport precision approach path indicator system.

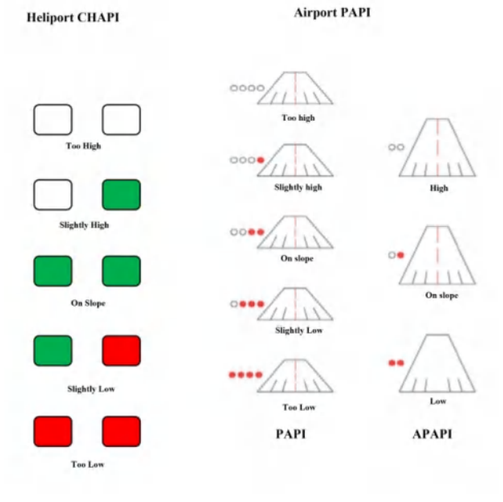


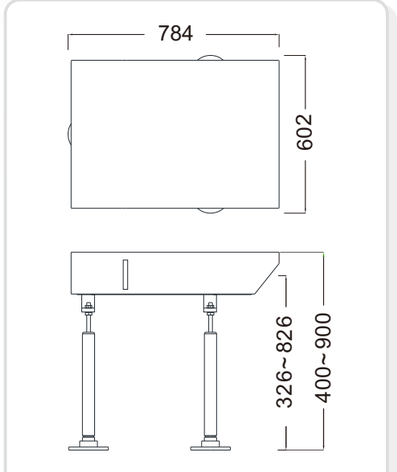


Key Feature

- Using precision angle sensor to detect the tiny change of the inclination angle of each unit (precision 0.6 minute), and the real time data is showed on the LED digital tube display at the back of each indicator. When the angle deviate more than the setting value (normally not exceeding 15 minutes), the system will shut off itself, and alert the control center.
- The special optical strengthened filters have high transmission factor and good thermal resistance, and with no discoloration.
- Structure design ensures very good water-tightness and protection against corrosion, and ensures the electronic components not affected by the heat from the lamps. The structure has gotten application patent (Pat. No:ZL201320196674.4)
- The unit is mounted in standard on three legs, each leg has a unitized structure, which comprises three mental components for adjusting the angle. The structure has gotten application patent (Pat. No:ZL201320196153.9)
- Easy sit adjustment by using a clinometer.
- Red to white transition is accurate with value not exceeding 3 minutes.
- Excellent frangibility without sacrifice of any stability.
- Easy maintenance: replacement of main elements does not require either unit adjustment or any special tools.
- Front glass protecting lenses against sad, wind, and engine blast.
- Very easy access to all components by removing the cover.

Location on the field





Structure Chart

CM-HT12/F HELIPORT LIGHTING

CM-HT12/F Heliport Wind Cone



Application

Heliport Windsock is to indicate the wind direction of the final approach and take-off, it can make a general indication to the wind speed. According to the ICAO provisions for each airport must be set at least one wind vane. Its installation location must not interference by nearby objects or the airflow blowed by the rotor, and must be guaranteed the helicopter can be clearly identified at least in 200 meters away.

Key Feature

CM-HT12/F Windsock can be used as a sign in all kinds of airport to observe the wind power and wind direction in both daytime and night.

On the top installed one red LED obstruction light, provide the obstacle hint for the pilot at night.

On the upper of the pole installed a light stainless wind sleeve frame and one 360°rotation gear.

Inside of the windsock frame installed one waterproof LED spotlight, it will turn with the windsock, could light the windsock directly, not like the old outside flood light, then eliminate the power consumption and against the eye flare.

On the windsock frame installed one windsock which is made of corrosion-resident and high-temperature-resident nylon anti-UV material, and lifetime is long. The color is red(orange) and white, have 5 sections, the start color is red(orange). The windsock including 3 dimensions according to the pole's height.

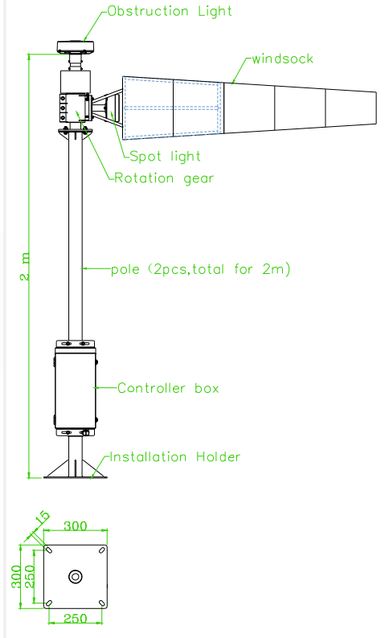
1.The diameter is 300mm, the diameter at small end is 150mm and the length is 1.2m
2.The diameter is 600mm, the diameter at small end is 300mm and the length is 2.4m
3.The diameter is 900mm, the diameter at small end is 450mm and the length is 3.6m

How to choose the windsock?

Below 4m, use the first type; between 4m to 6m, use the second type; above 6m, use the third type.

On the bottom of the pole, it has a control box, you could choose the wind vane with the photoswitch; the power supply cable into the control box directly.

The pole and the base all use the SUS304 stainless. The windsock height could be 2m,3m,4m,5m,6m or as buyer's requirements; when the total height more than 9m, you could add the stay wire in order to increase the stability; when the windsock height more than 4m, you could choose the hinges base so that could install more steady.



Structure chart

Design specifications

This product complies with the Consultation Announcement AC150/5345-27C and L-806 of U.S. Federal Aviation Administration (FAA), Appendix 14-Airport of International Civil Aviation Organization (ICAO) and the specifications in Part Four of Airport Design drafted by ICAO.

The max designed wind speed is 260kph. But if the area wind speed or Ultraviolet strength is too high, it will shorten the wind sleeve's lifespan.Connect the wire in the bottom and 2.5mm wire terminal is available.

Item	Parameter
Model	CM-HT12/F
Height	2m/3m/4m/5m/6m/7m
Operating voltage	AC110V-AC240V (Other available)
Power consumption	≤23W
Peak light intensity	≥32cd

CM-HT12-XZ-4 HELIPORT LIGHTING

CM-HT12-XZ-4 Airport Rotating Beacon







Application

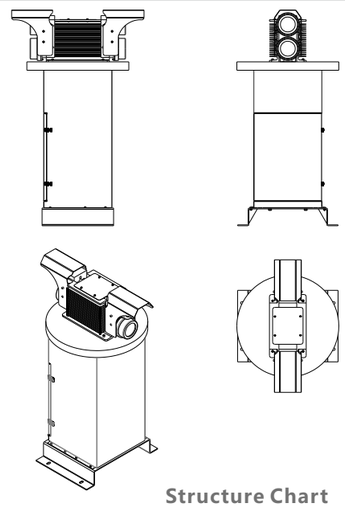
The Airport Rotation Beacon identifiies the location of an airport from a distance and is designed for use at commercial and regional airports and heliports.

Compliance with standards
ICAO:Annex14 Para5.3.3
FAA:AC150/5345-12,L-801A

Key Feature

- Meet FAA specification AC150/5345-12 L801A
- Operating temperature:-40℃～55℃
- High reliability.
- Housing in aluminium alloy coated in yellow.
- Lamp heads in aluminium alloy.
- Four lamp heads for airport.
- White LED 150W*2;Green LED 30w*2,LED Lamp.
- Power supply:220V,50 or 60Hz.

Item	Parameter
Model	CM-HT12-XZ-4
Operating voltage	AC220V (Other available)
Power consumption	White-150W*2; Green-30W*2
Flash Frequency	12rpm,24 flashes/minute
Light Intensity	25000-50000cd
Light Source	LED
Light Source Lifespan	100,000 Hours
Emitting Color	White & Green
Ingress Protection	Ip65
Altitude	≤2500m
Operating temperature	-40℃～55℃
Wind Load	240km/h
Weight	85kg
Overall Dimension (mm)	630mm×485×1030mm
Installation Dimension (mm)	428mm×220-4×M10



Structure Chart

CM-HT12/G HELIPORT LIGHTING

CM-HT12/G Heliport Light Controller

Application

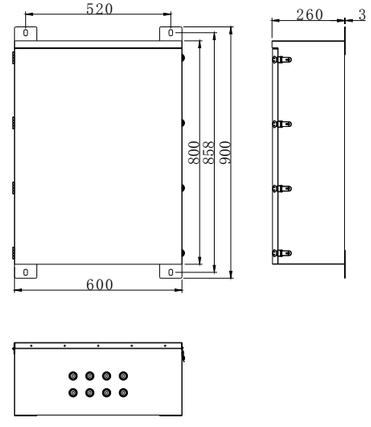
CM-HT12/G is a heliport outdoor light controller, suits all kinds of heliport lights' on/off controller. It controls and shows all the heliport navigation lights' work status. This product is outdoor type, and ingress protection is IP65, can be used in the outdoor directly.



Key Feature

- The house is made of steel painted by spraying plastic finish which is corrosion resistance and anti-UV.
- It has 6 circuits of output, and it can be changed according to requirement. There are Auto, Manual and Remote three modes for user's choice.
- This controller is powerful, reliable, safe, easy to use and maintain, convenient.

Item	Parameter
Model	CM-HT12/G
Operating voltage	AC220V (Other available)
Power Consumption	≤30W
Load capacity	≤4KW
Ingress Protection	Ip65
Environment Humidity	0~95%
Altitude	≤2500m
Environment Temperature	-40℃～55℃
Net Weight	40kg
Ovetall Dimension(mm)	800mm×600mm×260mm
Installation Dimension(mm)	858mm×520mm×4-M10



Structure Chart

PROJECT DISPLAY



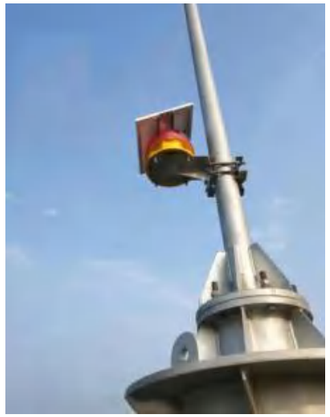
Application for Telecom Tower Project

Henan Telecom Tower Project



Shanxi Telecom Towe Project









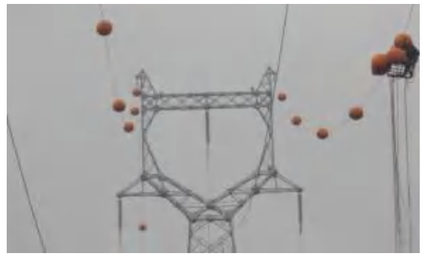
Henan GSM Tower Project



Application for Transmission Line Project

Bangda Iron Tower Project,Tibet

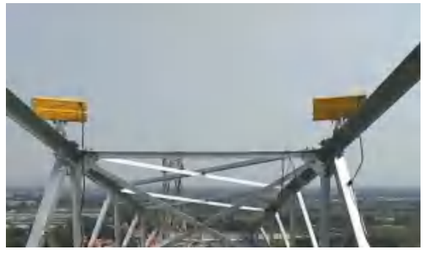








Turkey Transmission Tower Project



Yanghu Iron Tower Project,Tibet



Application for Airport&Helipad Project

WanJiaLi Helipad Project



Dubai Heliport Project Project











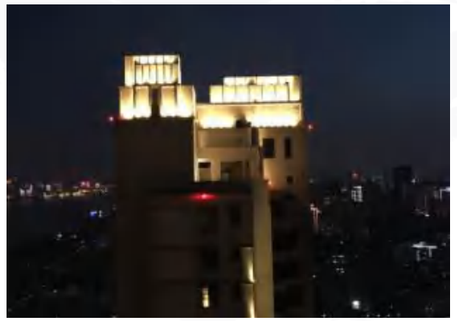
Yichang Airport Project

Application for Building Project

Green Real Estate Project



Wanke Real Estate Project

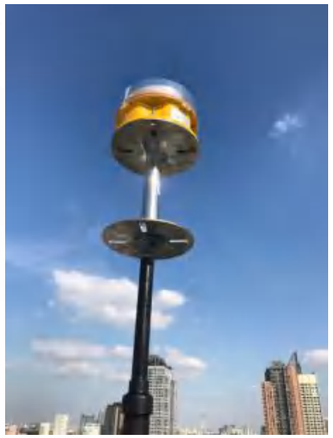




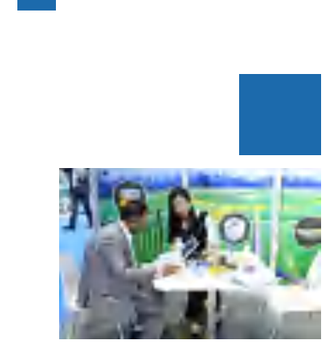




Hengda Real Estate Project



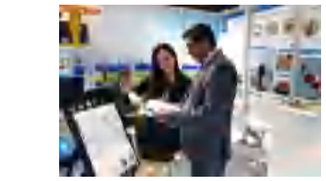
2018 & 2019 Airport Show in Dubai & Germany









2019 Clients Visiting in Indonesia & Germany & Italy & Poland

