Shanghai Lansing Electronics Co., Ltd

Airport Lighting Products

Company profile

Shanghai Lansing Electronics Co., Ltd is a high-tech company engaged in LED outdoor light R&D, manufacturing and marketing. Our business scope mainly covers led aviation obstruction lights, led solar marine navigation lights, airport Lighting, led flood lights, led high bay lights and led street lights design and other fields.

Shanghai Lansing Electronics Co., Ltd has been the leader in the product quality and stability. We have a team of experts studying in LED outdoor lighting. Through the advanced technology, we have had rapid development for several years, investing huge sums of money and successfully developing and producing LED outdoor lighting. Our lighting will play an important part in the sustainable development of our company.

The strong ability of learning the new knowledge and resolving problems makes us as an energetic team; we are proud of the outstanding achievements in aviation obstruction lights, marine navigation solar lanterns, and other outdoor lighting.

Our mission is to change ourselves in thought and technology, then to light others. At first we must raise our identification ability about nature and humanity by repeating continuously this process: Learning, Practicing, Thinking, Solving; secondly, these ability can help us have a better life; finally, we can also help other people around us.

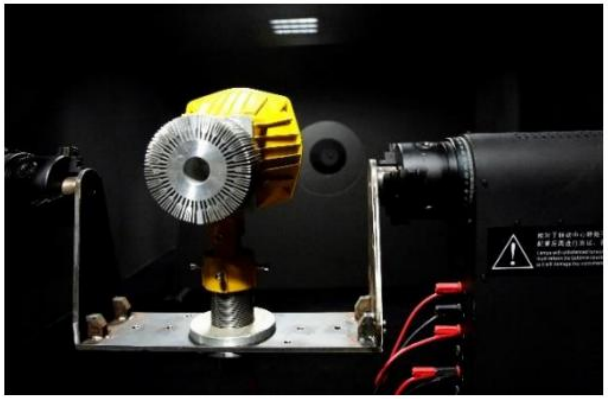
Our vision is to be the most reliable global provider of innovative solar and LED outdoor products, services and solution.

Drive quality into all we do;

Strictly abide by the principles of product design: easy operation, compact, endless reliability and durability;

Laboratory and test site



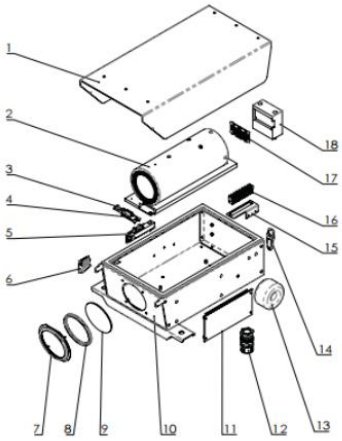

Production site

Shanghai Lansing Electronics Co., Ltd
Elevated Series Airport Lighting Products

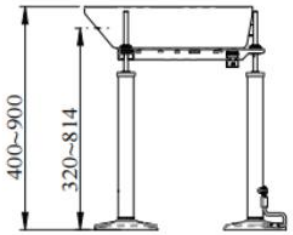
Product introduction

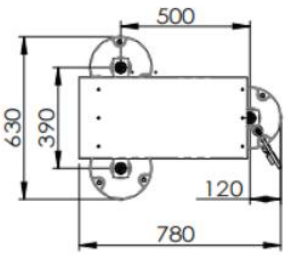
The PAPI system allows the pilot to have the necessary visual information to place the aircraft on the ideal approach slope and can be used by day and night The PAPI system consists of four-light units, which locate at the side of the runway adjacent to the origin of the glide path The nominal glide slop angle is midway between the angular settings of the central pair of the four units If the aircraft approach is too high, an increased number of white light indicators will be seen. If the aircraft approach is too low, the pilot will see an increased number of red light indicators

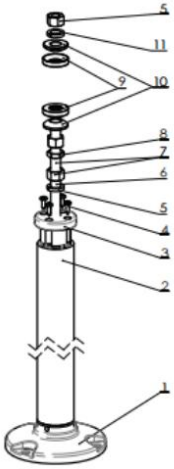
Structure and Dimension



1.Upper cover assy
2.Optical lens
3.horizontal indicator
4.Digital display board
5.Longitudinal level module
6.Refrigeration module
7.Sealing ring
8.Glass sealing ring
9.Front glass
10. Box
11. Driver
12.Hose connector
13.Transformer
14.Hasp
15.Bracket
16.Terminal block
17.LED light source assy
18.Light source holder







1.Flange
2.Leg
3.Legend cover
4. Self tapping screw
5. Spring washer
6. Screw stem
7. Hexagon nut
8. Thin hexagon nut
9. Spherical upper washer
10.Spherical lower washer
11.Wave spring washer

Features

- Light distribution and beam color shall meet the requirements of ICAO annex 14,
- Excellent optical system design, red and white transition performance of LED PAPI is superior with straight transition line;
- Self-position design of optical parts, replacement of LED light source without re-calibration;
- Power consumption of LED light source is only 1 / 3 of that of halogen PAPI,
- Front glass is embedded with electric heating wire, which can eliminate condensation without affecting the lighting effect;
- Intelligent electrical control system can automatically turn off the light in case of abnormal conditions;
- Each light fitting is equipped with a 4-digit LED digital tube to display the elevation angle of the light fitting with high precision;
- The unit controller achieves one key operation, easy to operate and master,
- The control board is set with "operation mode" and "flight calibration mode" for more convenient use;
- The system is more reliable and safer with open circuit monitoring function;
- The data of LED PAPI system can be uploaded to the monitoring system directly with matched communication module;
- Compact overall structure with small windward area and strong wind resistance;
- The main body of the light fitting is made of corrosion-resistant aluminum alloy with anti-corrosion surface treatment. All fasteners are made of stainless steel, suitable for various harsh environments;
- The aluminum alloy leg is easy to fold, which meets the requirements of FAA after precision machining, with stable and reliable performance;IP65-grade ingress protection of the fixture, which could keep interior from dust;
- Three leg type horizontal support and height adjustment structure,convenient and accurate on-site installation and adjustment,
- Equipped with independent level in horizontal and longitudinal direction for convenient installation and maintenance;

Installation

The PAPI system consists of four-light units, each unit with two 200W isolating transformers in series. The power cord connected to the lamp body must be with waterproof connectors.

As shown in the figure(left), the"Red line "is to connect the positive electrode, and"black line to the negative electrode It cannot be connected reversely. The power cable and communication cable connected to lamp body must be protected in mental hose

Precision Approach Path Indicator

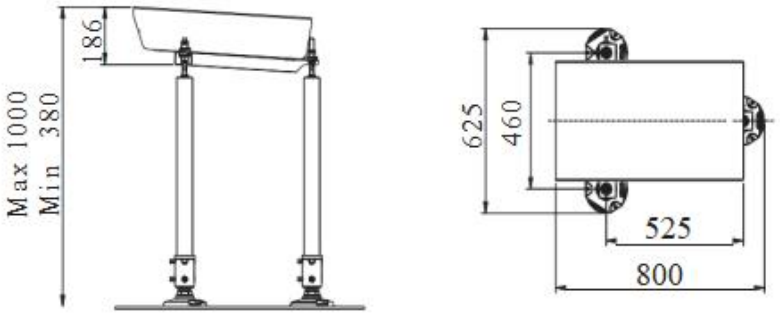
Model :JCL110

Product introduction

Light source: Halogen lamp

Application: Precision Approach Path Indicator

Dimension and Accessories:

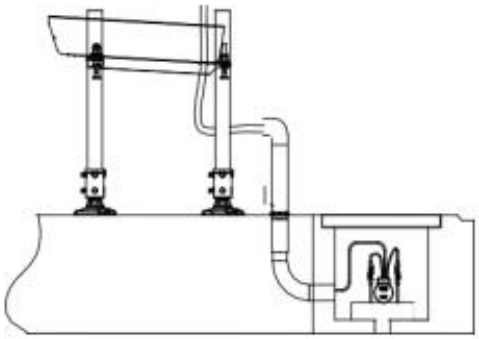


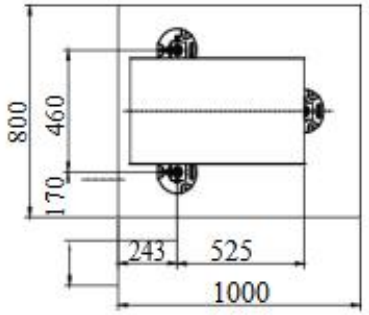
No.	Description	Order number
1	Upper cover panel	61160
2	Longitudinal level component	61210
3	Control board	61199
4	woollen felt seal	61153
5	Circuit breaker	61198
6	PAPI spirit level	ZJ4-481410C
7	Filter	61175
8	Lamp	L64339
9	Front glass	61122
10	Front glass seal	61167
11	M ooring device	61114
12	Frangible coupling	61116

Features

- Meet ICAO Annex 14 and FAA requirement on brightness and color coordinate; dual-lens structure to obtain a narrower and straight red to white transition region.
- Intelligent electrical control system force PAPI system turn off automatically when the failures of FAA and ICAO happen, and turn on the control system alarm due to the CCR under voltage.
- LED digital tube on each fixture, display the elevation angle in real-time, resolution of ±0.01 (0.6 cent), the range of angel reach over 9.99 of vertical.
- One step operate unit control box and display usual information remind on the panel, simple operation and easy to understand.
- Compatible of operation mode and fly correction mode are more convenience to use.
- Self checking system ensures the reliable and safety of system.
- 3*105W reflective lamps reach the half energy saving than traditional PAPI.
- Set with communication module (purchase separately), easy to upload system data to the control system through PAPI conversion plate, PAPI gateway and CAN.
- Triple leg vertical adjustment reaches both rough and meticulous adjustments of height, convenience and accurate install and adjust in real-time.
- Unique system design of dual-lens structure and three individual light ways, accurately lamps and filters positioning device (optical and mechanical), no need to correct position again when change the lamps and filters.
- Aluminum alloy material for light body, special processing on surface, all fasteners use high quality stainless steel material; make fixture ethereal, strong and good anticorrosion property.
- Smaller volume for the light body, smaller wind-facing areaand wind load reach 161km/h.
- Frangible coupling pass the precision machining and FAA standard, stable and reliable.

Accessories:

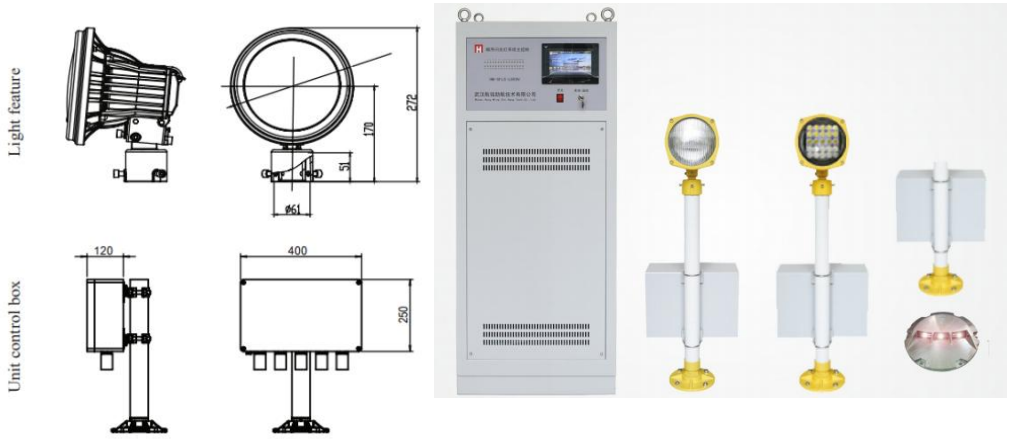




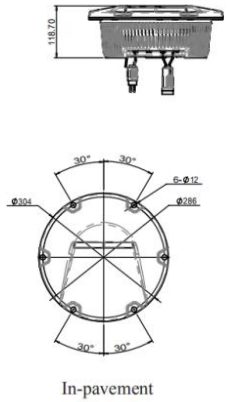
Product introduction

Sequential Flash Light System is used when the visibility of approach systems needs to be reinforced, it is a complement to precision approach lighting system. The system is illuminated in sequence in the direction of the approach

Construction and Accessories



Elevated



In-pavement

No.	Description	Order number
1	Main Control Box Panel	66110
2	Flashing Light	66230
3	Unit Control Box	66220
4	Flashing Lamp	L40JS
5	Unit Control Box circuit board	79108
6	Light circuit board	79107
7	Reflector	31147
8	Front glass	31146
9	Sealing ring	41119
10	Rear cover seal	41111

Features

- Photometric Data, brightness, light regulating all in compliance with FAA requirements.
- Using 400V flash tube, lower working voltage to the whole system (relative to the 2000V system), lower requirement for insulation, circuit board of unit control box has the function of boosting and steady voltage. In order to reduce cable requirements, whole system can work properly between 160-260V of power supply.
- Scope of any point of brightness on photometric Data of plus or minus 15 horizontal degrees, plus or minus 5 vertical degrees.
  - I 150-450cd;
  - II 800-2000cd;
  - III 8000-20000cd。
- Main control box and each unit control boxes have their own CPU, can be run independently, or work in synergy through bus communication. Any failure of one component in the whole system, is only the failure of part function, will not cause the system paralysis, the maximum guarantee the reliability of the operation.
- The system has the lamp life detection, leak flash detection and statistics, and online detection
- Main control box with LCD panel display, statistics and records the running status of systems, Monitoring system through the 485 communication interface, and remote control and operation state of the upload. Local control also available.
- Lightning protection measures for Circuit protection, power and communication cable
- Electrical element selection is higher than industrial grade
- Provide elevated and inset type.
- One unit control box with one light fixture, concise and clear arrangement of the cabel, easy to repair the investigation.

Compliance

The JCL240-H is in compliance with standards:

- ICAO: Annex 14 volume I;
- FAA: AC150/5345-51;
- NATO: STANAG 3316;
- CAAC: GB-T 7256-2005

Elevated Approach Centre Line Light

Model :JCL160

Product introduction

In-pavement, Uni-direction,white

Light source: Halogen lamp、LED

Rated power: Halogen lamp 200W、LED 43W

Rated current: 2.8~6.6A

Application:CAAC:AC-137-CA-2017-03

SAC:GB/T 7256-2005

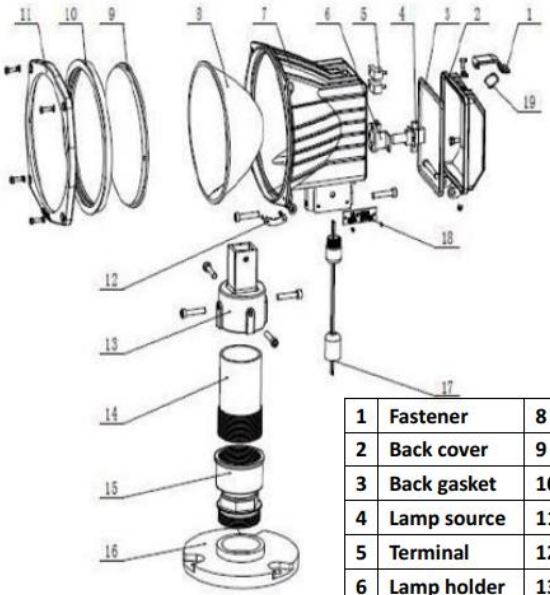
ICAO: Annex 14 Volume I

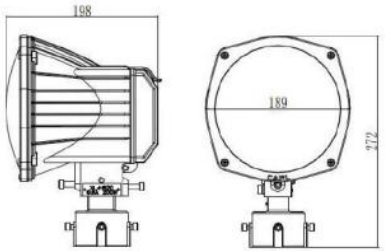
IEC: TS 61827

FAA: AC 150/5345-46

NATO: STANAG 3316

Structure and Dimension



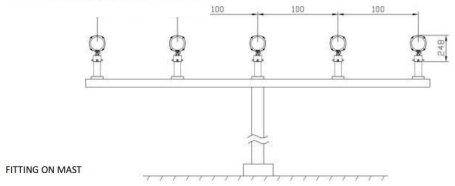


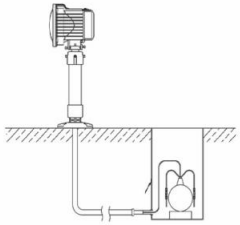
1	Fastener	8	Reflector	15	Frangible coupling
2	Back cover	9	Front glass	16	Base plate
3	Back gasket	10	Front gasket	17	Cable
4	Lamp source	11	Front plate	18	Nameplate
5	Terminal	12	Angular scale	19	Fastener
6	Lamp holder	13	holder		
7	housing	14	Tube holder		

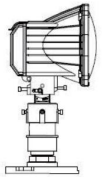
Features

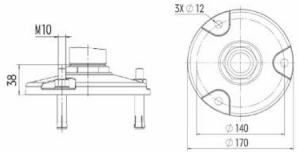
- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Installation









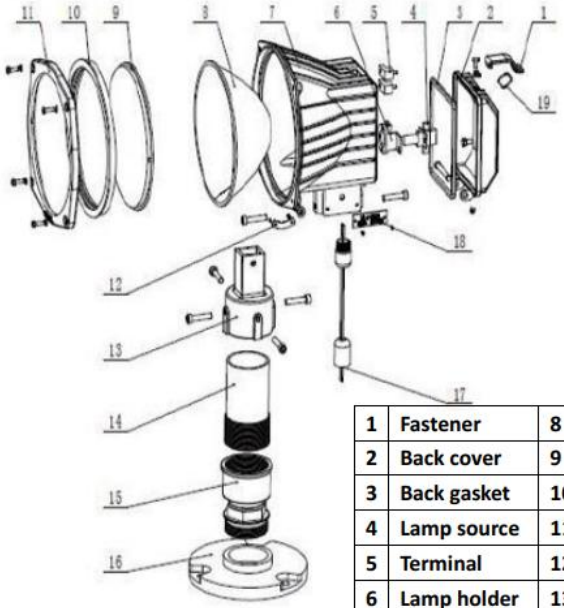
Elevated Approach Side Light

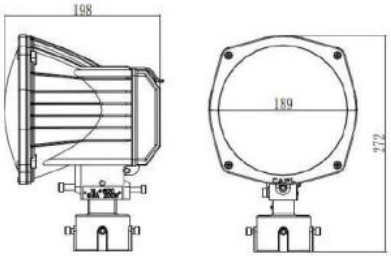
Model :JCL170

Product introduction

In-pavement, Uni-direction,red
Light source: Halogen lamp、LED
Rated power: Halogen lamp 200W、LED 17W
Rated current: 2.8~6.6A
Application:CAAC:AC-137-CA-2017-03
SAC:GB/T 7256-2005
ICAO: Annex 14 Volume I
IEC: TS 61827
FAA: AC 150/5345-46
NATO: STANAG 3316

Structure and Dimension



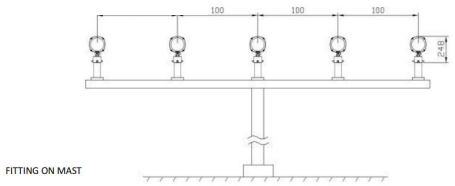


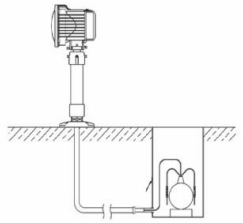
1	Fastener	8	Reflector	15	Frangible coupling
2	Back cover	9	Front glass	16	Base plate
3	Back gasket	10	Front gasket	17	Cable
4	Lamp source	11	Front plate	18	Nameplate
5	Terminal	12	Angular scale	19	Fastener
6	Lamp holder	13	holder		
7	housing	14	Tube holder		

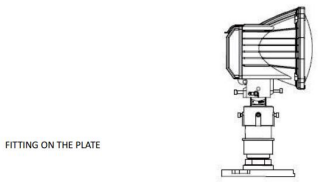
Features

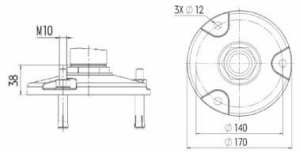
- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Installation









Elevated Runway Threshold Wind-bar Light

Model :JCL180

Product introduction

In-pavement, Uni-direction,green

Light source: Halogen lamp、LED

Rated power: Halogen lamp 200W、LED 25W

Rated current: 2.8~6.6A

Application:CAAC:AC-137-CA-2015-03-R1

SAC:GB/T 7256-2005

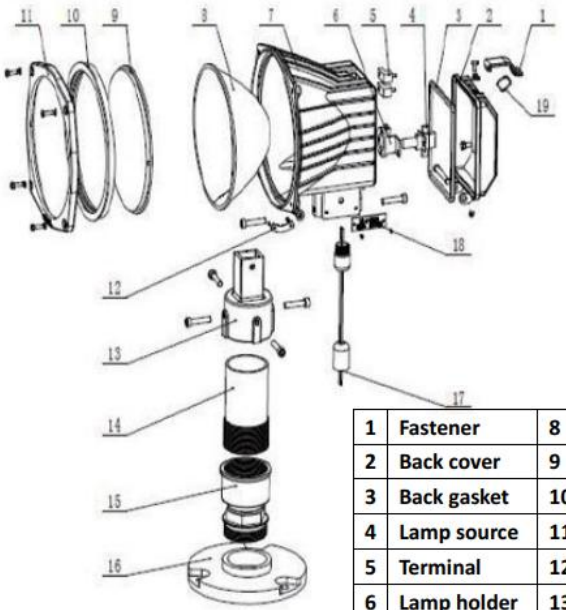
ICAO: Annex 14 Volume I

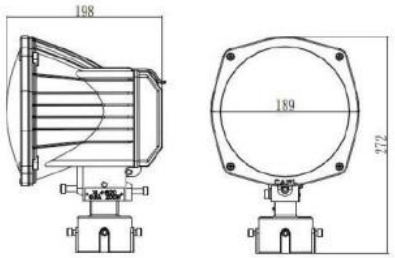
IEC: TS 61827

FAA: AC 150/5345-46

NATO: STANAG 3316

Structure and Dimension



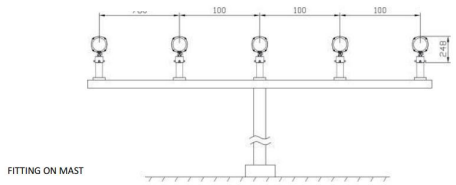


1	Fastener	8	Reflector	15	Frangible coupling
2	Back cover	9	Front glass	16	Base plate
3	Back gasket	10	Front gasket	17	Cable
4	Lamp source	11	Front plate	18	Nameplate
5	Terminal	12	Angular scale	19	Fastener
6	Lamp holder	13	holder		
7	housing	14	Tube holder		

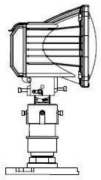
Features

- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

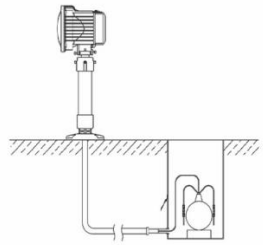
Installation

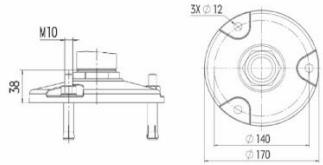


FITTING ON MAST



FITTING ON THE PLATE





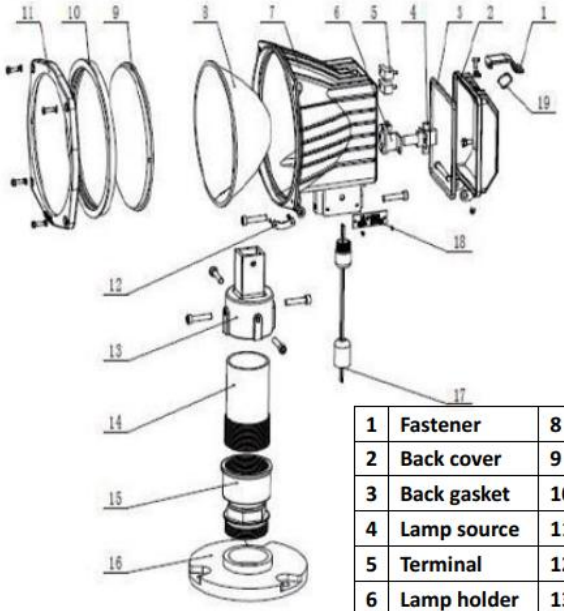
Elevated Runway Threshold Light

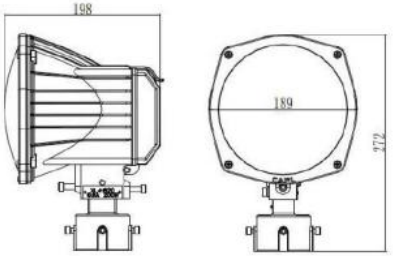
Model :JCL190

Product introduction

In-pavement, Uni-direction,green
Light source: Halogen lamp、LED
Rated power: Halogen lamp 200W、LED 25W
Rated current: 2.8~6.6A
Application:CAAC:AC-137-CA-2015-03-R1
SAC:GB/T 7256-2005
ICAO: Annex 14 Volume I
IEC: TS 61827
FAA: AC 150/5345-46
NATO: STANAG 3316

Structure and Dimension



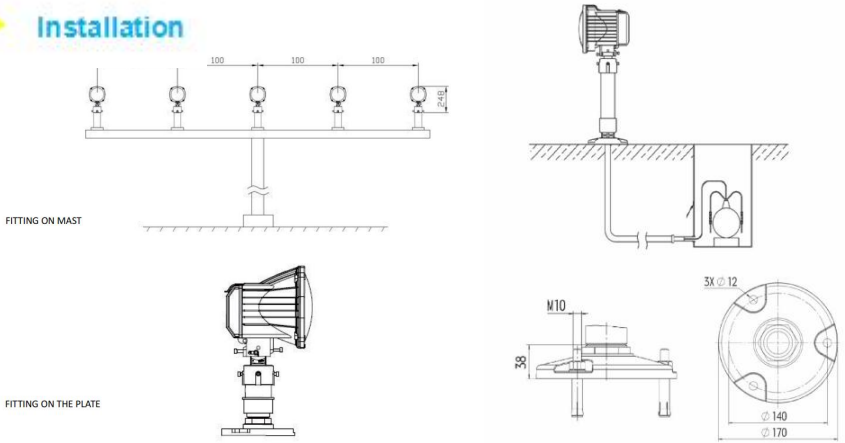


1	Fastener	8	Reflector	15	Frangible coupling
2	Back cover	9	Front glass	16	Base plate
3	Back gasket	10	Front gasket	17	Cable
4	Lamp source	11	Front plate	18	Nameplate
5	Terminal	12	Angular scale	19	Fastener
6	Lamp holder	13	holder		
7	housing	14	Tube holder		

Features

- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Installation



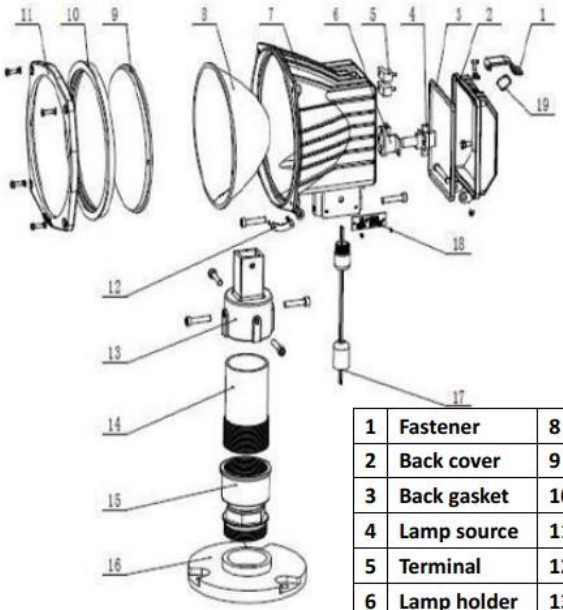
Elevated Runway End light

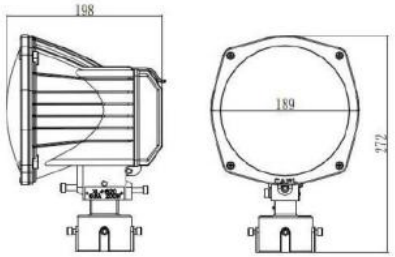
Model :JCL205

Product introduction

In-pavement, Uni-direction, red
Light source: Halogen lamp、LED
Rated power: Halogen lamp 150W、LED 12W
Rated current: 2.8~6.6A
Application:CAAC:AC-137-CA-2015-03-R1
SAC:GB/T 7256-2005
ICAO: Annex 14 Volume I
IEC: TS 61827
FAA: AC 150/5345-46
NATO: STANAG 3316

Structure and Dimension



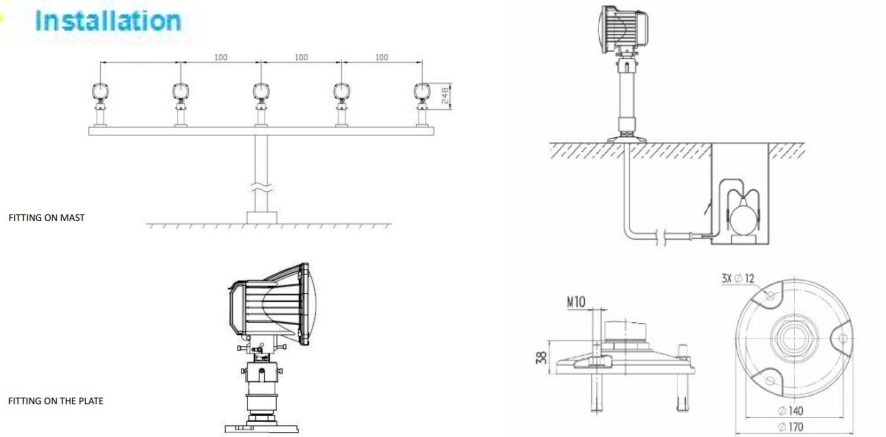


1	Fastener	8	Reflector	15	Frangible coupling
2	Back cover	9	Front glass	16	Base plate
3	Back gasket	10	Front gasket	17	Cable
4	Lamp source	11	Front plate	18	Nameplate
5	Terminal	12	Angular scale	19	Fastener
6	Lamp holder	13	holder		
7	housing	14	Tube holder		

Features

- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Installation



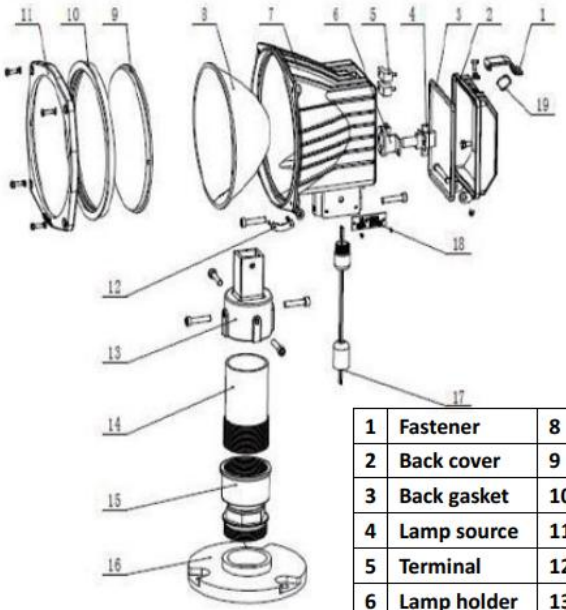
Elevated Approach Cross-bar Light

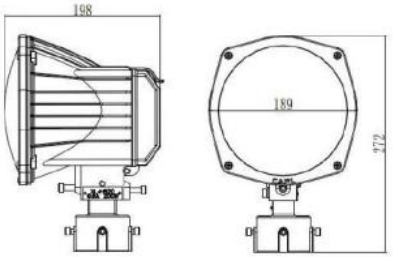
Model :JCL210

Product introduction

In-pavement, Uni-direction, White
Light source: Halogen lamp、LED
Rated power: Halogen lamp 150W、LED 12W
Rated current: 2.8~6.6A
Application:CAAC:AC-137-CA-2015-03-R1
SAC:GB/T 7256-2005
ICAO: Annex 14 Volume I
IEC: TS 61827
FAA: AC 150/5345-46
NATO: STANAG 3316

Structure and Dimension



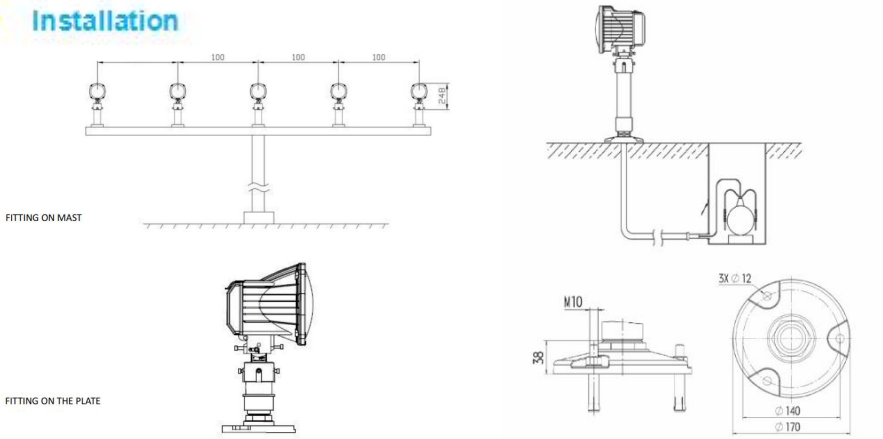


1	Fastener	8	Reflector	15	Frangible coupling
2	Back cover	9	Front glass	16	Base plate
3	Back gasket	10	Front gasket	17	Cable
4	Lamp source	11	Front plate	18	Nameplate
5	Terminal	12	Angular scale	19	Fastener
6	Lamp holder	13	holder		
7	housing	14	Tube holder		

Features

- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Installation



Product introduction

Product Model: JCL206

One 150W/6.6A Pk30d halogen lamp.

Beam Color:YC=Window 1: yellow window 2: white

CY=Window 1: white window 2: yellow CC=Both windows: white

CR=Window 1: white window 2: red RC=Window 1: red window 2: white

Application:CAAC:AC-137-CA-2015-03-R1

SAC:GB/T 7256-2005

ICAO: Annex 14 Volume I

IEC: TS 61827

FAA: AC 150/5345-46

NATO: STANAG 3316

Structure diagram and Installation

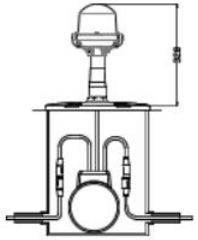
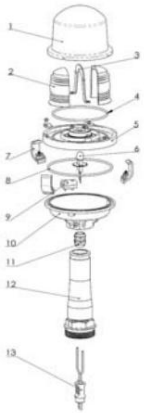


Fig 1. On 12" deep base.

Fig 2. Flange direct mount

Fig 3. Embeded pipe mount



1 optical cover
2 achromatic lens
3 lens baffle
4 optical cover gasket
5 optical cover holder
6 lamp
7 hasp
8 light body gasket
9 lamp socket
10 light body
11 waterproof gland
12 frangible pole
13 plug

Features

- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Technical parameters

Application		Main Beam		Color	Required min avg. cd	Actual avg.cd
		H	V			
JCL206	ICAO Figure A2-9/ FAA L-862	±5.5° (Toe-in 3.5°)	0°—7°	White	10000	11191
				Yellow	4000/5000	6780
				Red	1500/2000	2233
	ICAO Figure A2-10	±6.5° (Toe-in 4.5°)	0°—7°	White	10000	10408
				Yellow	4000	6230
				Red	1500	2012

Elevated Taxiway Edge Light

Model :JCL90

Product introduction

In-pavement, Omni-direction, blue

Light source: LED

Rated power:5W

Rated current: 2.8~6.6A

Application:CAAC:AC-137-CA-2015-03-R1

SAC:GB/T 7256-2005

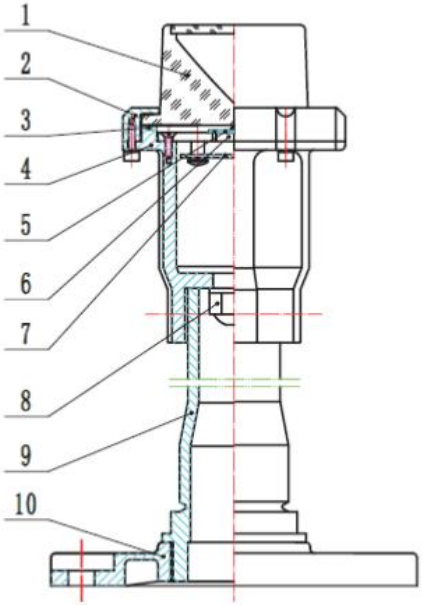
ICAO: Annex 14 Volume I

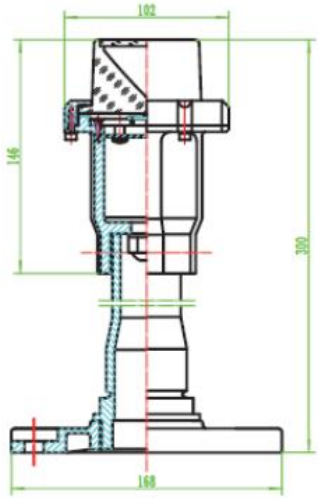
IEC: TS 61827

FAA: AC 150/5345-46

NATO: STANAG 3316

Structure and Dimension



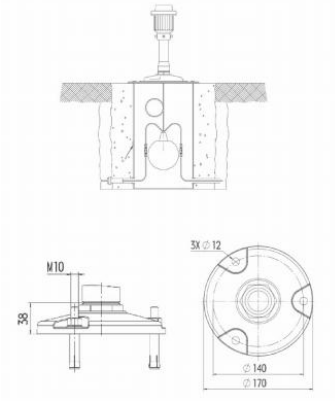


1	Prism	6	Fastener
2	Front cover	7	Power source
3	Seal ring	8	Seal joint
4	Body	9	Frangible coupling
5	LED	10	Base plate

Features

- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Installation



Elevated Taxiway Edge Light(LED)

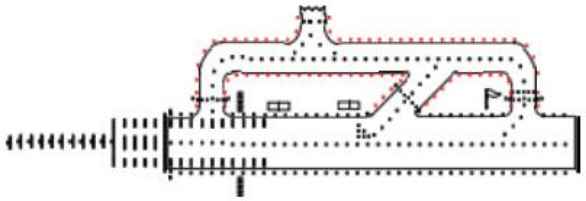
Model :JCL70

Product introduction

Elevated, Omni-direction, blue
Light source: LED
Rated Power: 3VA
Rated current: 2.8-6.6A
Application: I-III Category airport taxiway, exports taxiway, apron boundary signs
Minimum service life of light source at rate power: 50,000h
Dimension: 315X270X385mm³
Weight: 7.6kg
IP Grade: IP 66

Technical parameters

Application		Main Beam		Color	Required min. cd	Actual min. cd
		H	V			
JCL70	ICAO 5.3.17.8	360°	0°----- 6°	Blue	2	2.3
			6°-----75°		0.2	0.2
	FAA L-861T	360°	1°----- 6°		2	2.5



Installation diagram

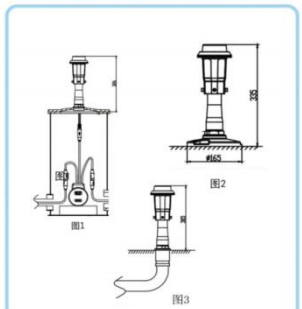
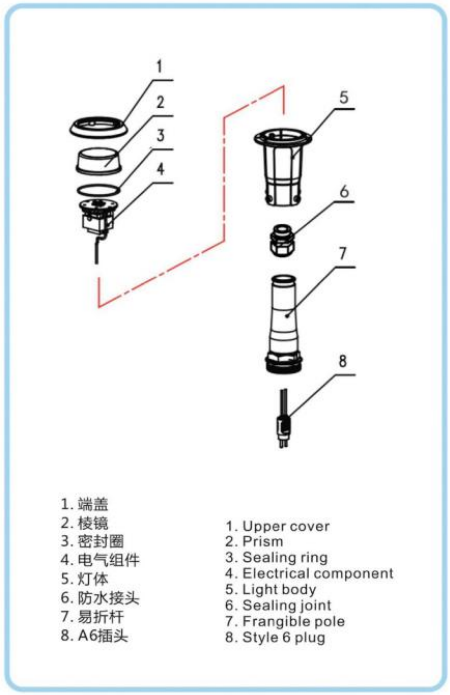


图1. 安装在L-867深桶上
图2. 通过法兰直接安装
图3. 安装在预埋管上
Fig 1. On 12" L-867 deep base.
Fig 2. On ground with base plate φ165mm.
Fig 3. Stake mounting

Structure diagram



Features

- Patented inverted-cone prism structure with high light effect;
- Strict control of 0°~6° emitting light angle without causing dizzy to pilots at short range;
- Use of international top brand LED with effective control of lamp temperature, service life reaches LED design ultimate;
- Significant energy-saving, loop load of the light below 3KVA; 50W isolation transformer can be used on original lights;
- The shrink of LED optional color temperature area ensures the color of guidance sign consistent and pure;
- Consistent dimming curve with halogen lamp, under unified use with existing halogen lights at airport;
- Long service life, effective energy-saving, maintenance-free and low power consumption of corresponding power supply system, great economic benefits to customers;
- Light body in blue color, pilots can easily identify lights without lighting up during the daytime;
- Prism edge uses unique design of taper, effective prevention of snow and sand;
- Horizontal meter can be directly placed on the lamp cover;
- Prism uses tempered glass in order to be resistant to wind erosion;
- Stainless steel fasteners, solid, durable and anti-corrosion;
- Aluminum alloyed light body, so as to be more light and portable;
- Modular design of light circuit board, easy to maintain

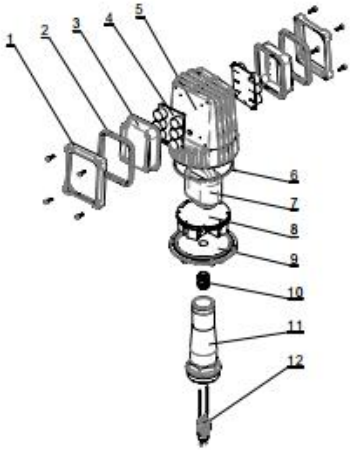
Elevated Runway End light

Model :JCL560

Product introduction

Runway Edge Light - White/Red/Yellow
YC=Winow 1: yellow window 2: white
CY=Winow 1: white window 2: yellow
CC=Both windows: white
CR=Winow 1: white window 2: red
RC=Winow I: red window 2: white
Light source: LED
Light source: 12 Clear/Red/Yellow LED particles per side
Power: 36VA
Power factor:≥0.9
IP grade: IP65

Structure diagram



1. front cover
2. optical cover gasket
3. optical cover
4. LED lamp assy
5. light body
6. light body gasket
7. transformer
8. driver assy
9. light body holder
10. waterproof gland
11. frangible pole
12. plug

Installation diagram

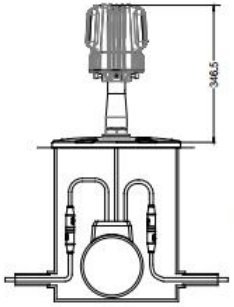


Fig 1. On 12" deep base

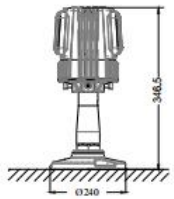


Fig 2. Flange direct mount

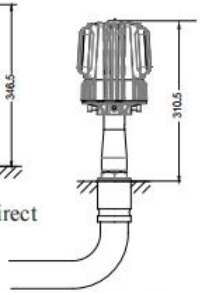


Fig 3. Embeded pipe mount

* Please find detailed information in installation manual

Features

- LED is featured by long life, effective energy saving,maintenance-free, which brings enormous economic benefits to customer
- Consistent dimming curve with halogen lamp fixture,complying with FAA standards
- Strict LED color management to ensure premium color consistency
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, which minimizes the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Compact structure and attractive appearance, with small windward area and strong wind resistance capability
- The main body is made of aluminum alloy with anti-corrosion surface treatment, all fasteners are made of stainless steel, suitable for various harsh environment applications
- High-precision parts and components machining to ensure all dimensional quality and accuracy
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust

Technical parameters

Application	Angle of Main Light Beam		Color	Average Intensity Required	Average Intensity Actual
	Horizontal	Vertical			
ICAO Figure A2-9/ FAA L-862	±5.5° (Toe-in 3.5°)	0°-7°	White	10000	11982
			Yellow	4000/5000	9273
			Red	1500/2000	2523
ICAO Figure A2-10	±5.5° (Toe-in 4.5°)	0°-7°	White	10000	10392
			Yellow	4000	8928
			Red	1500	2411

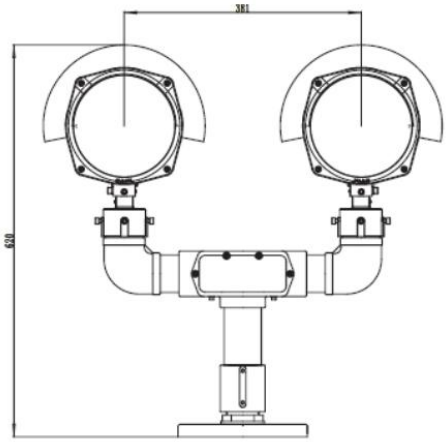
Elevated Runway Guard Light

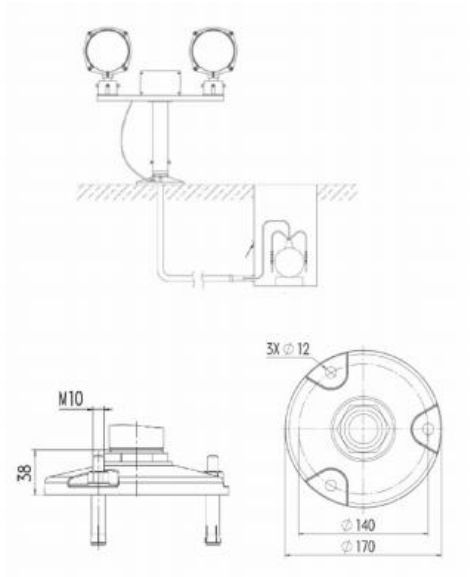
Model :JCL230

Product introduction

In-pavement,Alternately flashing yellow
Light source: LED
Rated power:34W
Rated current: 2.8~6.6A
Application:CAAC:AC-137-CA-2015-03-R1
SAC:GB/T 7256-2005
ICAO: Annex 14 Volume I
IEC: TS 61827
FAA: AC 150/5345-46
NATO: STANAG 3316

Structure diagram and Installation





Features

- Proprietary optical design to ensure full lighting spot when the glass is partially obscured
- International standard PK30D prefocus bulb with accurate positioning and premium light distribution precision
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Proprietary reflector design, cold light cup processing, temperature variations will not cause any cracks in the glass and filter
- Compact structure and attractive appearance, with small windward area and strong ability against the gales
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability
- IP65-grade ingress protection of the fixture, keep interior from dust
- The fixture can be connected to both one or two-inch extension pole, which ensures convenient and secure installation
- The calibrator can be installed directly on the body with high precision
- Tool free maintenance, easier to disassemble, and to replace the bulb
- Interchangeable, modular-designed components, applicable for all kinds of elevated unidirectional lights(halogen type), which effectively cuts down the inventories.

Shanghai Lansing Electronics Co., Ltd
Inset Series Airport Lighting Products

In-pavement Approach Center line Light(12" 6mm)

Model :JCL640

Product introduction

In-pavement, Uni-direction, white

Light source: LED

Rated power: 56W

Rated current: 72VA C

Application:CAAC: AC-137-CA-2017-03

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam H	Main beam V	Color	Req. Min avg.cd	Actual avg. cd
JCL640-LED	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

Structure and Installation

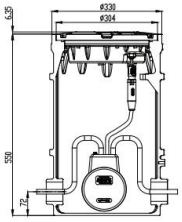


Fig 1 On 12" deep base

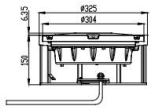
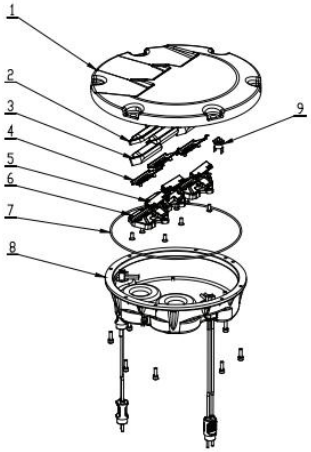


Fig 2. On 12" shallow base

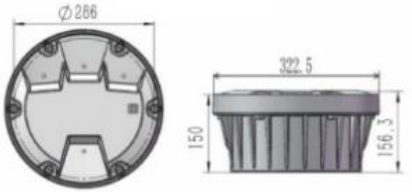


1.upper cover
2.prism gasket sleeve
3.prism
4.LED lamp assy
5.prism gasket
6.prism pressing bracket
7.light body gasket
8.inner cover assy
9.thermal switch

Features

- LED is featured by long life, effective energy saving, maintenance -free, which brings enormous economic benefits
- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED in-pavement taxiway lights(6 mm), which effectively cuts down the inventories.

Dimension



LED lamp

In-pavement Approach Center line Light(12" 6mm)

Model :JCL640-H

Product introduction

In-pavement, Uni-direction, white

Light source: Halogen lamp

Rated power:Halogen lamp 3*105W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2017-03

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

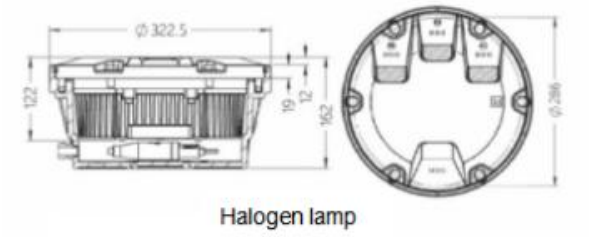
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam		Color	Req. Min avg.cd	Actual avg. cd
		H	V			
JCL640-H	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

Dimension

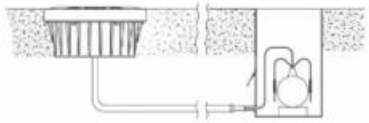


Halogen lamp

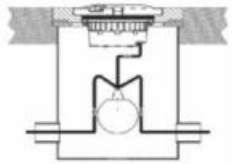
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base

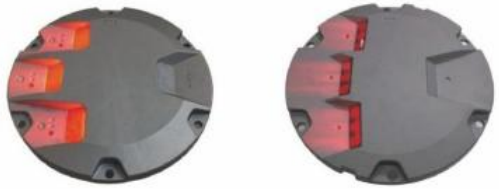


On 12" deep base

In-pavement Approach Side Light(12" 6mm)

Model :JCL660

Product introduction



In-pavement, Uni-direction, red

Light source: Halogen lamp、LED

Rated power:Halogen lamp 3*105W,LED 23W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2017-03

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

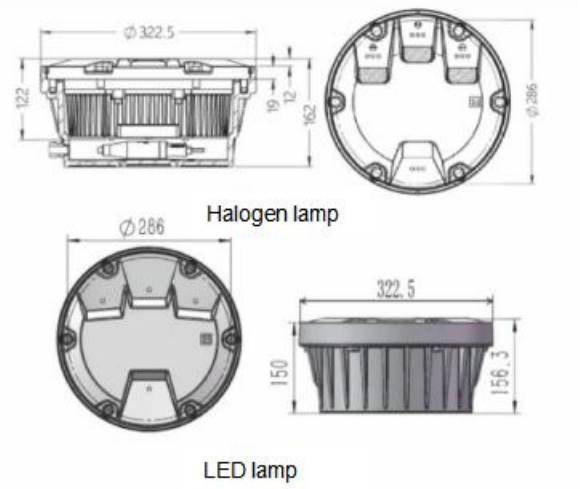
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam H	Main beam V	Color	Req. Min avg.cd	Actual avg. cd
JCL660	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

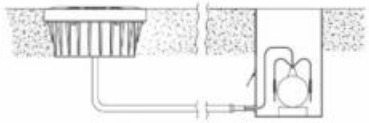
Dimension



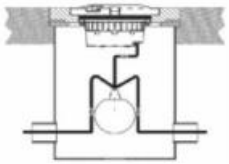
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base

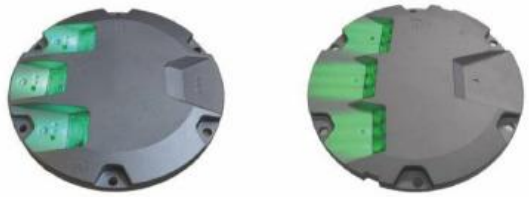


On 12" deep base

In-pavement Runway Threshold Wind-bar Light(12" 6mm)

Model :JCL670

Product introduction



In-pavement, Uni-direction,green

Light source: Halogen lamp、LED

Rated power:Halogen lamp 3*105W,LED 44W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2017-03

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

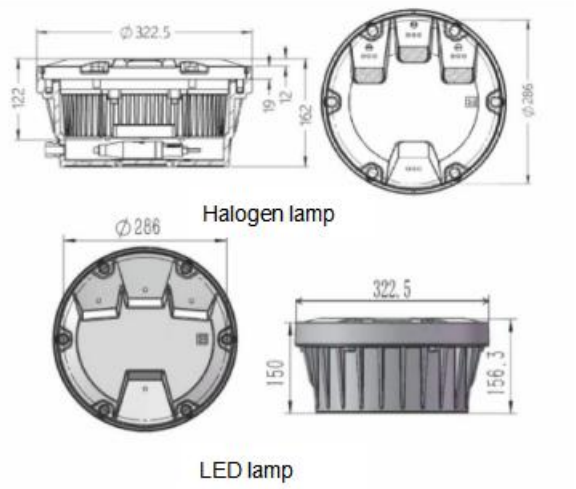
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam H	Main beam V	Color	Req. Min avg.cd	Actual avg. cd
JCL670	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

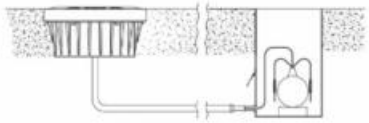
Dimension



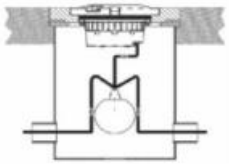
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base

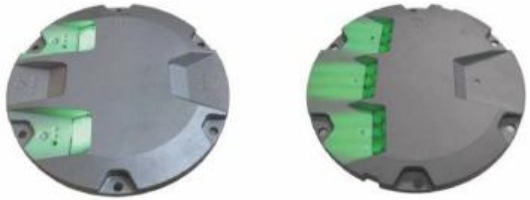


On 12" deep base

In-pavement Runway Threshold Light(12" 6mm)

Model :JCL540-H

Product introduction



In-pavement, Uni-direction, green

Light source: Halogen lamp、LED

Rated power:Halogen lamp 2*105W, LED 44W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2017-03

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

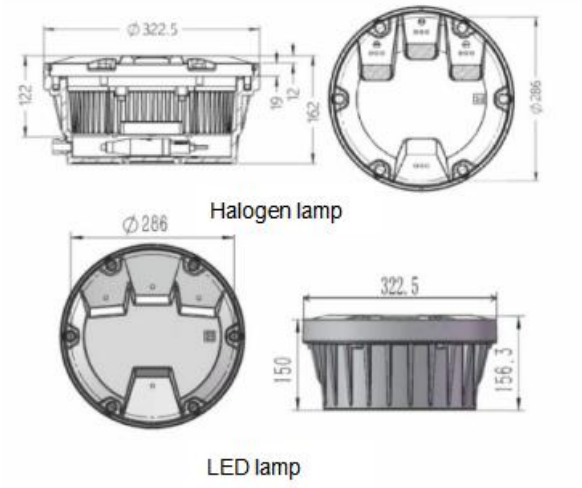
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam		Color	Required Min avg. cd	Actual avg.cd
		H	V			
JCL540-H	ICAO Figure A2-3	±5.5° 3.5° toe-in	1° to10°	Green	10000	12750
	FAA L-850E	±6°	1°to9°	Green	5000	11078
JCL540-D	FAA L-850D	±5.5° 3.5°toe-in	1° to10°	Green	3300	3904

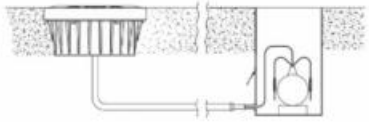
Dimension



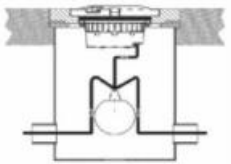
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED in-pavement runway lights(6 mm), which effectively cuts down the inventories.

Installation



On 12" shallow base



On 12" deep base

In-pavement Runway End Light(12" 6mm)

Model :JCL580

Product introduction

In-pavement, Uni-direction, red

Light source: Halogen lamp,LED

Rated power:Halogen lamp 105W,LED 14W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

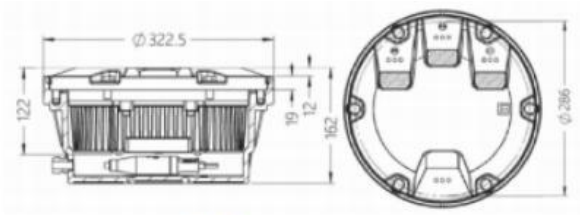
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

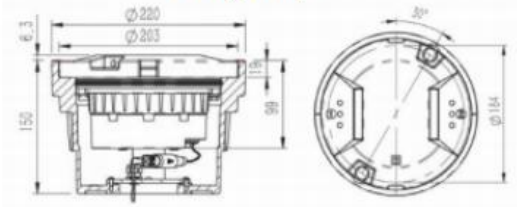
Technical parameters

Application		Angle of Main Light Beam		Color	Average Intensity Required	Average Intensity Actual
		Horizontal	Vertical			
JCL580	ICAO Figure A2-8/FAA L-850D	±6°	0.25°—4.75 0.2°—4.7	Red	2500	3034

Dimension



Halogen lamp

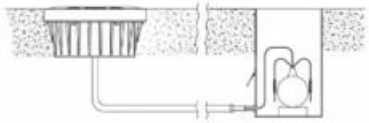


LED lamp

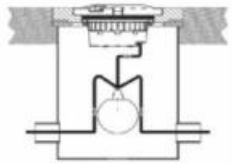
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base

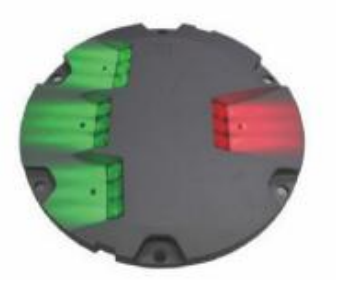


On 12" deep base

In-pavement Runway Threshold End Light(12" 6mm)

Model :JCL550-H

Product introduction



In-pavement, Bi-direction, Red and green

Light source: LED

Rated power: LED 54W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2015-03-R1

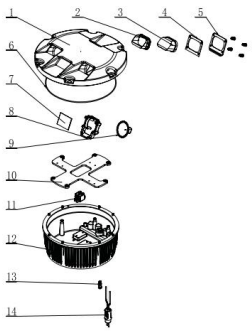
SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

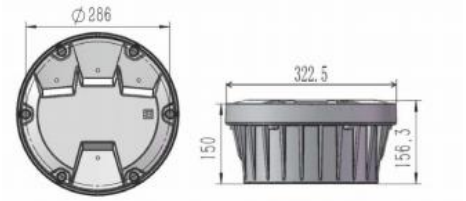
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

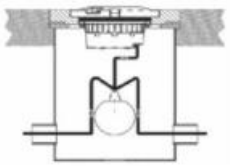
Structure diagram

1. Upper cover
2. Prism Gasket Sleeve
3. Prism
4. Prism Gasket
5. Prism Pressing Bracket
6. Light Body Gasket
7. Filter
8. Lampholder
9. Lamp
10. Mounting Plate
12. Terminal Block
12. Inner Cover
13. Valve
14. Plug

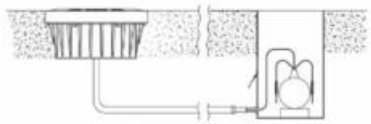




Installation diagram



On 12" deep base



On 12" shallow base

Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Technical parameters

Application	Angle of Main Light Beam		Color	Average Intensity Required	Average Intensity Actual
	Horizontal	Vertical			
JCL550-H	±5.5° (Toe-in 3.5°)	1°-10°	Green	10000	12836
	±6°	0.25-4.75°	Red	2500	3034
JCL550-HD	±5.5° (Toe-in 3.5°)	1°-10°	Green	3000	4164
	±6°	0.2°-4.7°	Red	2500	2973

In-pavement Runway Threshold End Light(12" 6mm)

Model :JCL550

Product introduction

In-pavement, Uni-direction,Green or Red

Light source: LED Power Factor: ≥ 0.9 Power: 60 VA

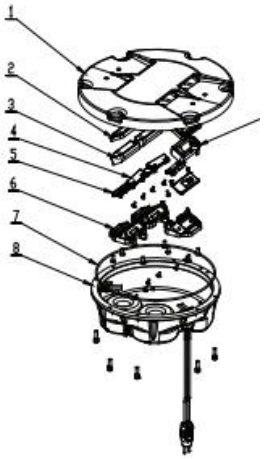
Application: I,II,III category airports runway guard light

Minimum service life of light source at rate power: 50000h

Beam direction :L=Toe-in left R=Toe-in right S =Straight

Beam color :GR=Winow 1: green window 2: red

Structure diagram



1. upper cover
2. prism gasket sleeve
3. prism
4. LED lamp assy
5. prism gasket
6. prism pressing bracket
7. light body gasket
8. inner cover assy
9. thermal switch

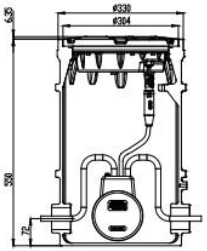


Fig 1 On 12" deep base

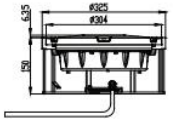


Fig 2. On 12" shallow base

* Please find detailed information in installation manual

Installation diagram

Application	Angle of Main Light Beam		Color	Average Intensity Required	Average Intensity Actual
	Horizontal	Vertical			
JCL550	±5.5° (Toe-in 3.5°)	1°-10°	Green	10000	12836
	±6°	0.25° -4.75°	Red	2500	3034
JCL550-D	±5.5° (Toe-in 3.5°)	1°-10°	Green	3000	4164
	±6°	0.2°-4.7°	Red	2500	2973

Features

- LED is featured by long life, effective energy saving, maintenance -free, which brings enormous economic benefits
- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircrafts' impact on the optical window
- Interchangeable, modular-designed components, applicable for all series of 12-inch LED in-pavement runway lights(6 mm), which effectively cuts down the inventories.

In-pavement Combined Runway Edge Light (12" 6mm)

Model :JCL570

Product introduction

In-pavement, Uni-direction

Light source: LED

Power Factor: ≥0.9

Power: 56VA(CC-C)/50VA(CY/YC-C)/36VA(YRRY-C)/49VA(CR/RC-C)

57VA(CC-B)48VA(CY/YC-B)/36VA(Y R/RY-B)/44VA(CR/RC-B)

Application: I,II,III category airports runway guard light

Minimum service life of light source at rate power: 50000h

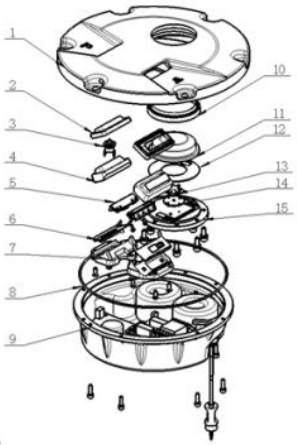
Beam color :YC= =Window I: yellow window 2: white

CY= :Window 1: white window 2: yellow CC= =Both windows: white

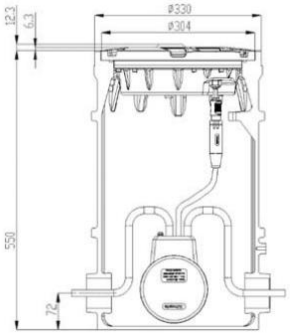
CR= =Window 1: white window 2: red RC= :Window 1: red window 2: white

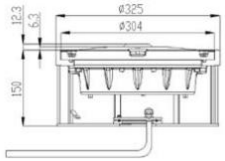
CB/YB/RB= =Window 2:blank BC/BY/BR= =Window 1 :blank

Structure diagram



1. upper cover
2. prism gasket sleeve
3. thermal switch
4. prism
5. LED lamp assay
6. prism gasket
7. prism pressing bracket
8. light body gasket
9. Inner cover assay
10. O-prism gasket sleeve
11. O-prism
12. O-prism gasket
13. O-LED lens
14. O-LED lamp assay
15. O-prism pressing bracket





Features

- LED is featured by long life, effective energy saving, maintenance-free, which brings enormous economic benefits
- Proprietary prism structural design and manufacturing process to ensure excel lent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- High-precision parts machining to ensure all dimensional quality and precision
- Main structure made of corrosion- resistant aluminum allay with special anodizing treatment, all fasteners are made of stainless steel, suitable for harsh environment application
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft impact on the optical window

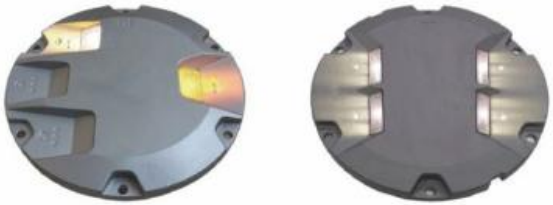
Technical parameters

Application	Angle of Main Light Beam		Color	Average Intensity Required	Average Intensity Actual
	Horizontal	Vertical			
ICAO Figure A2-9/ FAA L-850C	±5.5° (Toe-in 3.5°)	0°-7°	White	10000	12088
			Yellow	4000/ 5000	5035
			Red	1500/ 2000	2750
ICAO Figure A2-10	±6.5° (Toe-in 4.5°)	0°-7°	White	10000	11308
			Yellow	4000	4732
			Red	1500	2560
ICAO 5.3.9.9	360°	0°-15°	White	50	60

In-pavement Runway Edge Light(12" 6mm)

Model :JCL400

Product introduction



Light source: Halogen lamp、LED

Rated current: 2.8~6.6A

Rated power:Halogen lamp 2*105W

In-pavement, Bi-direction, white and white,

LED:white and white 42W,white and yellow 44W,yellow and red 27W,white and red 25W

Application:CAAC: AC-137-CA-2015-03-1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

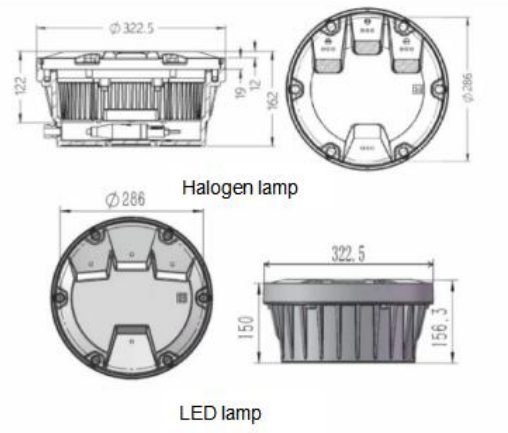
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Angle of Main Light Beam		Color	Average Intensity Required	Average Intensity Actual
		Horizontal	Vertical			
Runway Edge	FAA L-862	±5.5° 3.5° toe-in	0~7°	White	10000	11152
				Yellow	4000 (5000)	4869
				Red	1500 (2000)	2354
	ICAO Fig A2-10	±6.5° 4.5° toe-in	0~7°	White	10000	10500
				Yellow	4000 (5000)	4602
				Red	1500 (2000)	2214

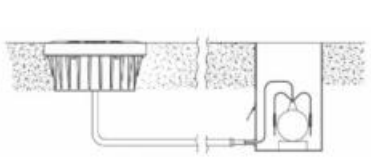
Dimension



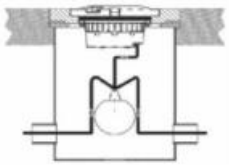
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base

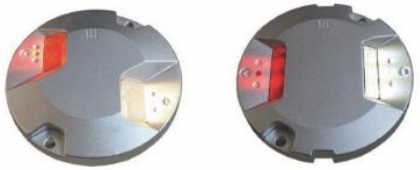


On 12" deep base

In-pavement Runway Center line Light(12" 6mm)

Model :JCL690

Product introduction



In-pavement,Bi-direction,white and white,white and red

Rated current: 2.8~6.6A

Light source: Halogen lamp、LED

Rated power:Halogen lamp 2*48W ,LED:white and white 26W,white and red 17W

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

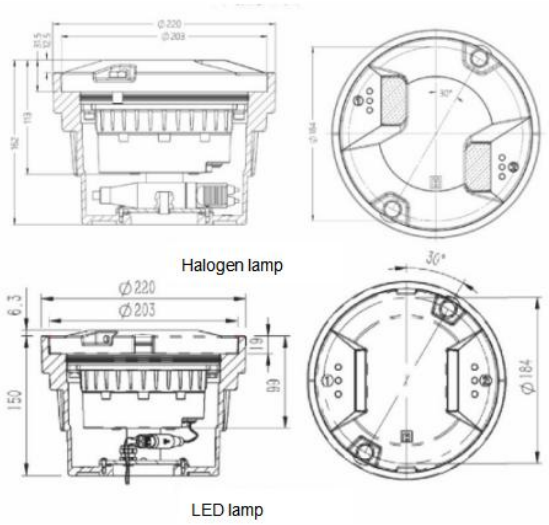
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam		Color	Req. Min avg.cd	Actual avg. cd
		H	V			
JCL690	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

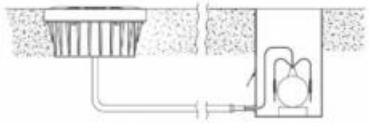
Dimension



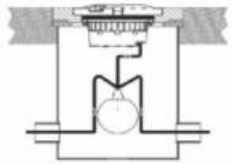
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base

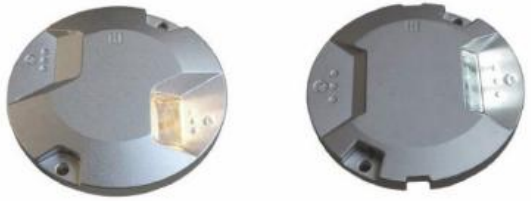


On 12" deep base

In-pavement Touchdown Zone Light(12" 6mm)

Model :JCL430

Product introduction



In-pavement, Uni-direction, white

Light source: Halogen lamp、LED

Rated power:Halogen lamp 48W LED 15W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

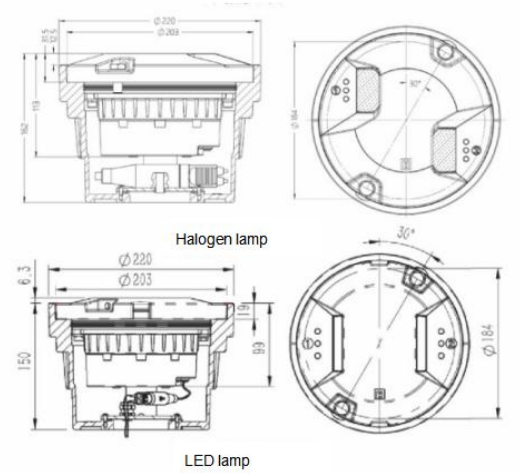
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam H	Main beam V	Color	Req. Min avg.cd	Actual avg. cd
JCL430	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

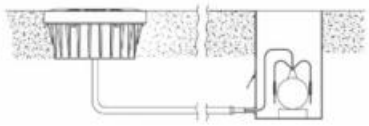
Dimension



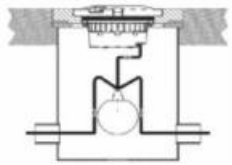
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base



On 12" deep base

In-pavement Rapid Exit Taxiway Indicator Light(12" 6mm)

Model :JCL370

Product introduction

In-pavement, Uni-direction, yellow

Light source: Halogen lamp、LED

Rated power:Halogen lamp 48W LED 13W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

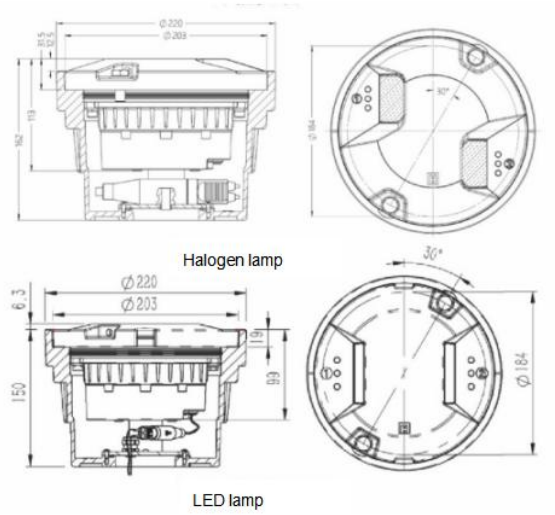
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam H	Main beam V	Color	Req. Min avg.cd	Actual avg. cd
JCL370	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

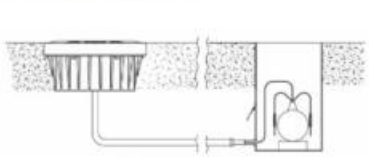
Dimension



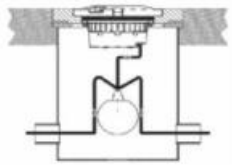
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base



On 12" deep base

In-pavement Taxiway Center line Light(12" 6mm)

Model :JCL700

Product introduction

Light source: LED

Rated current: 2.8~6.6A

In-pavement, Uni-direction, yellow,green,

Bi-direction,yellow and green,yellow and yellow,green and green

Rated power:Yellow 6W,green 6W,

yellow and green 8W,yellow and yellow 9W,green and green 8W

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

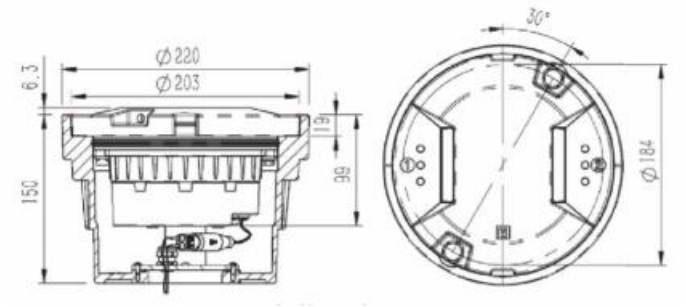
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam		Color	Req. Min avg.cd	Actual avg. cd
		H	V			
JCL700	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

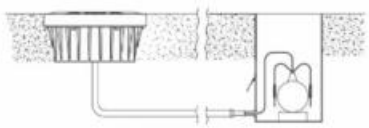
Dimension



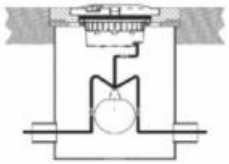
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base



On 12" deep base

In-pavement Stop Bar Light(12" 6mm)

Model :JCL440

Product introduction

In-pavement, Uni-direction, red

Light source: LED

Rated power: LED 7W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

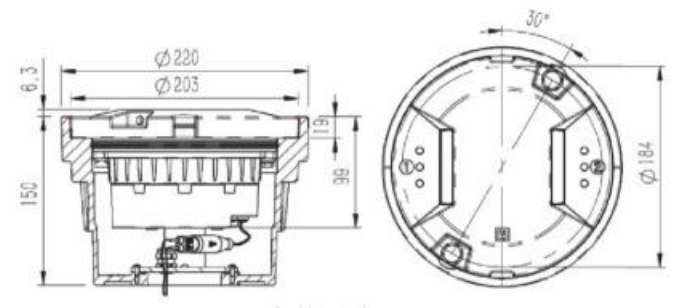
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application	Angle of Main Light Beam		Color	Average Intensity Required	Average Intensity Actual
	Horizontal	Vertical			
ICAO Fig A2-12	±10°	1~8°	Red	200	415
FAA L-8525	±24°	1~10°	Red	300	381

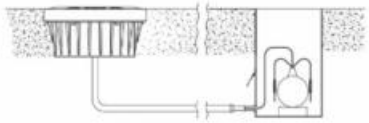
Dimension



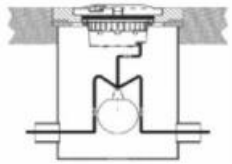
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base



On 12" deep base

In-pavement Intermediate Holding Position Light(12" 6mm)

Model :JCL720

Product introduction

In-pavement, Uni-direction, Yellow

Light source: LED

Rated power: LED 6W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

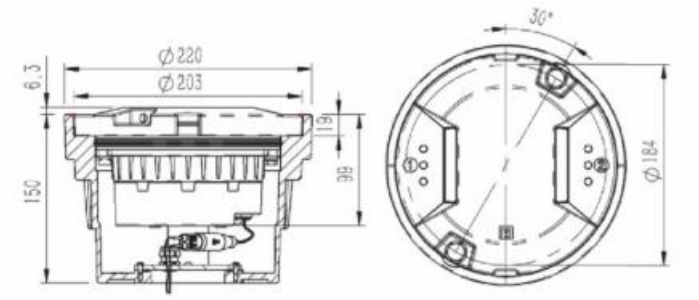
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main beam		Color	Req. Min avg.cd	Actual avg. cd
		H	V			
JCL720	ICAO Figure A2-1	± 10°	0° -11°	clear	20000	23561
		± 10°	0.5° -11.5°	clear	20000	23687
		± 10°	1.5° -12.5°	clear	20000	23538
		± 10°	2.5° -13.5°	clear	20000	23569

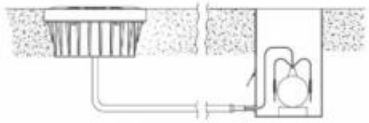
Dimension



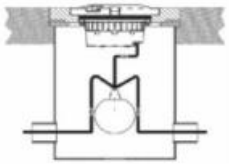
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base



On 12" deep base

In-pavement Taxiway Edge Light(12" 6mm)

Model :JCL590

Product introduction

In-pavement, omni-direction, blue

Light source: LED

Rated power: LED 7W

Rated current: 2.8~6.6A

Application:CAAC: AC-137-CA-2015-03-R1

SAC: GB/T 7256-2005 ICAO: Annex 14，Volume I

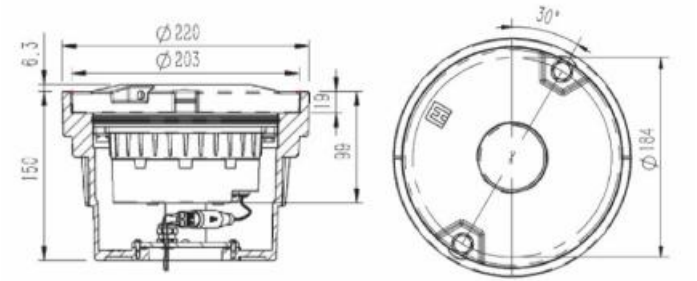
IEC: TS 61827 FAA: AC 150/5345-46

FAA: EB NO.67 NATO: STANAG 3316

Technical parameters

Application		Main Beam		Color	Required min. (cd)	Actual min. (cd)
		H	V			
JCL590-LED	ICAO 5.3.17.8	360°	0°—6°	Blue	2	2.6
			6°—75°		0.2	0.2
	FAA L-852T	360°	1°—6°		2	2.8

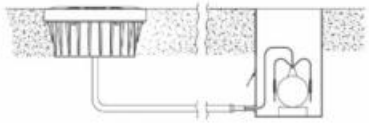
Dimension



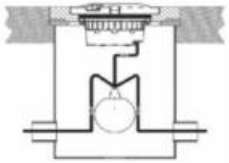
Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Installation



On 12" shallow base



On 12" deep base

In-pavement Runway Threshold/ End Light (12 inch)

Model :JCL610

Product introduction

In-pavement

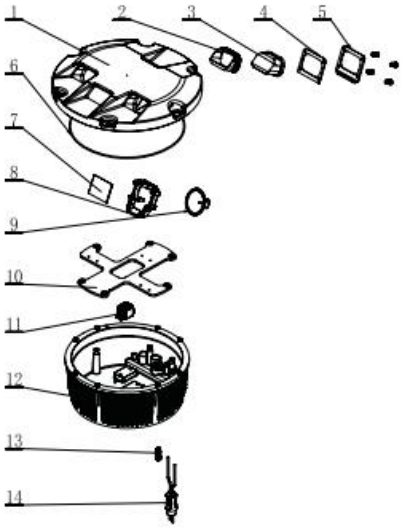
Lamp: Two or three 105W/6.6A reflecotor halogen lamps.

Beam Direction:

L=Left toe-in R=Right toe-in S=Straight

Beam Color: GR = one side is green, another side is red

Structure diagram



1. Upper cover
2. Prism Gasket Sleeve
3. Prism
4. Prism Gasket
5. Prism Pressing Bracket
6. Light Body Gasket
7. Filter
8. Lampholder
9. Lamp
10. Mounting Plate
12. Terminal Block
12. Inner Cover
13. Valve
14. Plug

Installation diagram

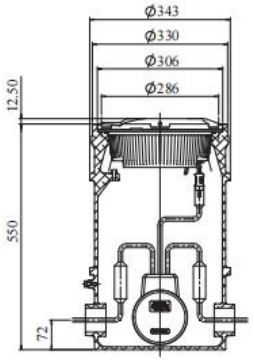


Fig. 1 On 12" deep base

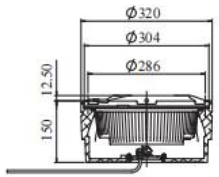


Fig. 2 On 12" shallow base

* Please find detailed information in installation manual

Features

- New casting process with excellent mechanical property;
- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components
- Filter with improved coating process, featuring good transmittance, high bonding and excellent thermo stability
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical and barrier capacity, and shock resistance ability
- Smooth and sleek upper cover to prevent from damaging aircraft tires
- Lighting fixture made of highly conductive aluminum alloy, which ensures good heat dispersion
- Bulb Fixed mount suspension design to effectively prolong bulb's lifetime
- Main structure made of corrosion-resistant aluminum alloy with special special anodic oxidation treatment, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts and components machining to ensure all dimensional quality and precision
- IP68-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircrafts' impact on the optical Window
- Interchangeable, modular-designed components, applicable for all kinds of 12-inch inset lights (halogen type), which effectively runs down the inventories.

Technical parameters

Application		Main beam		Color	Required min avg.cd	Actual avg. cd
		H	V			
JCL610-X-315	ICAO Figure A2-3	±5.5° 3.5° toe-in	1° to 10°	Green	10000	11096
	ICAO Figure A2-8	±6°	0.25° to 4.75°	Red	2500	2727
JCL610-X-210	FAA L-850D	±5.5° 3.5° toe-in	1° to 10°	Green	3300	3904
		±6°	0.2° to 4.7°	Red	2500	2603

Identification Beacon

Model :JCL710

Product introduction

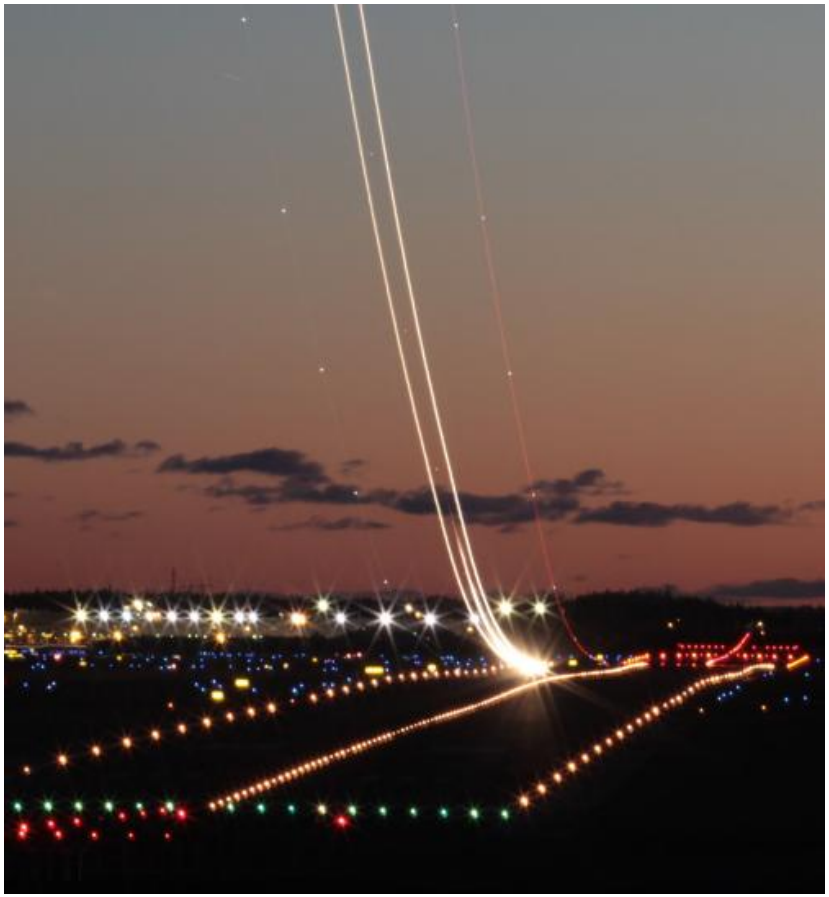
In-pavement, Rotating, white,green
Light source: LED
Rated power:190W
Rated current: AC220V
Application:CAAC: AC-137-CA-2015-11

SAC: GB/T 7256-2005	ICAO: Annex 14，Volume I
IEC: TS 61827	FAA: AC 150/5345-46
FAA: EB NO.67	NATO: STANAG 3316

Features

- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel,suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircraft's impact on the optical window
- Interchangeable, modular-designed components, applicable for all kind of 12-inch LED

Application



Product introduction

Power factor: > 0.9

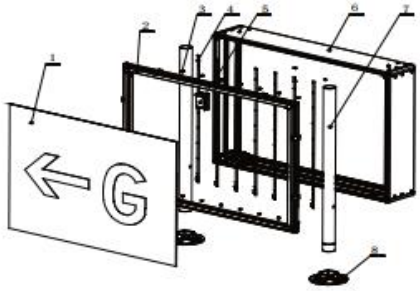
Power supply: 2.8 to 6.6A series power or 220V parallel power supply

Wind load: 240k m/h, 322 km/h or 480 km/h Protection level: IP54

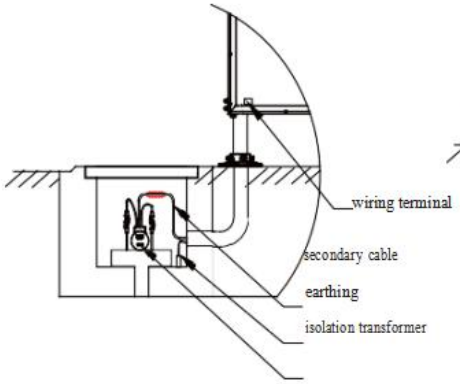
Environment temperature: -40℃ to +55℃

Application: Taxiway guidance sign, including

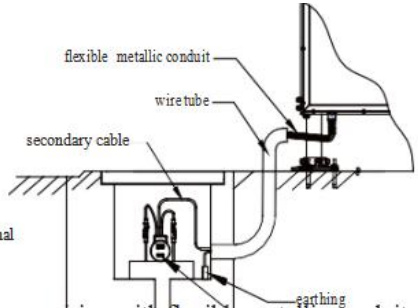
Structure diagram



1.PC panel
2.Front frame
3.Bolt
4.LED lamp
5.LED lamp drive
6.Frame
7.Frangible pole
8.Base plate



wiring inside pole



wiring with flexible metallic conduit

Features

- Forms of characters, chromaticities and luminance, uniformity ratio in accordance with the provisions of ICAO Annex 14
- The LED bar is featured by long working life, energy conversation, maintenance-free, which brings enormous economic benefits to customers
- Top brand LED and proprietary driver circuit, which greatly improves the reliability and service life of light fixture
- LED driver unit accommodates to 5 steps brightness regulation, with variations of light intensity less than 5%
- Strict LED color management to ensure premium color consistency and purity
- Internal reflection lighting ensures more even luminance without shadows
- 4.5mm-thick panel made of polycarbonate material, which contains UV-resistant layers and is also impact and abrasion resistant
- Aluminum frame structure with support pillar goes through the sign’s interior, rigid construction, durable and wind resistant
- Multiple waterproof structures with high level of ingress protection
- Modular design of driver circuit, easier to maintain
- Driver circuit integrated with surge protection function and over-heat protection module to enhance reliability
- Power factor of above 0.9 in all 5 brightness steps
- EMI in accordance with FAA requirements, certified to FCC Part15 Class A standard
- Tool-free detachable front panels, convenient for daily cleaning and maintenance
- Frangible couplings with precision machining, complying with FAA requirements, which ensures stable and reliable performance
- The main body is made of aluminum alloy with anti-corrosion treatment,all fasteners are made of stainless steel, suitable for harsh environment application
- Standard chains to prevent signs which have broken from their mounting from blowing away
- Large flange to improve the sign’s capability of gust resistances

In Pavement Approach Light

Model :JCL490

Product introduction

Inset approach light is a 12 "unidirectional light fixture. It has encapsulated electronics and is designed for harsh weather environments, for low and high temperature with classifiedIP67. The light operates with low projection and excellent photometric performance
It is also utilized in approach center line, approach crossbar,approach side row, runway threshold, wing bar, runway end and stop bar.

Features

- The light is designed with low project:12.5mm.
- Advanced process design and strict process control ensure the fixture high wear-resistance, compression resistance, impact resistance.
- Many parts of the fixture is common with other lights in the same model, with provide convenience for both installation and maintenance
- The lamp body is designed for harsh weather environments for low and high temperature with all casting in aluminum and fixings in stainless steel.
- All electronic part is encapsulated and the whole fixture is applied with waterproof and anticorrosive technique.

Installation

- Figure on the left shows that how each part is connected.
- If the fixture is to be fitted on a shallow base. a mental box is need to put the isolating transformer inside.

Specifications

Name	Parameter
Optional voltage	AC220V,AC120V,DC48V
Electric current	6.6A
Average Power Consumption	50-100W
Working Mode	Steady-burning
Light Source Service Life	3 years
Emitting Color	grey
IP Protection	IP67
Ambient Temperature	-20℃～55℃
Humidity	＜95%
Altitude	＜4500M

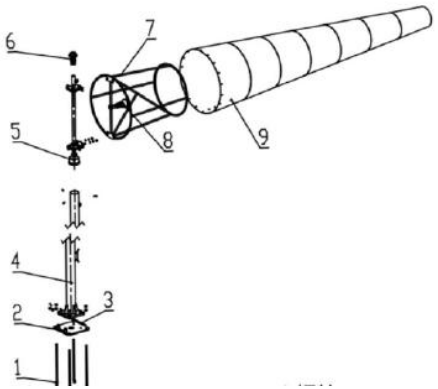
Wind Cone（internal illuminated）

Model :JCL530

Product introduction

Elevated. Wind cone colors: red and white
Internal illuminated: LED refelector 1X40W;
L-810 Obstacle light: LED 5W
Application: I,II,III catogery airports and heliport wind cone
Minimum service life of light source at rate power: 50000 hrs
Power supply: constant voltage: 90V-290V, 50-60Hz
constant current: 2.8A-6.6A
Power consumption: 43W
Working temperature: -55℃ to 55℃
Wind bag dia: 0.9mX3.75(L) for civil airport
Wind bag dia: 0.45mX2.5(L) for heliport

Structure diagram



1. Bolt
2. Flange plate
3. Hinge shaft
4. Easy folding rod
5. Principal axis
6. Obstruction Light
7. Spotlight
8. Frame
9. Wind bag

Features

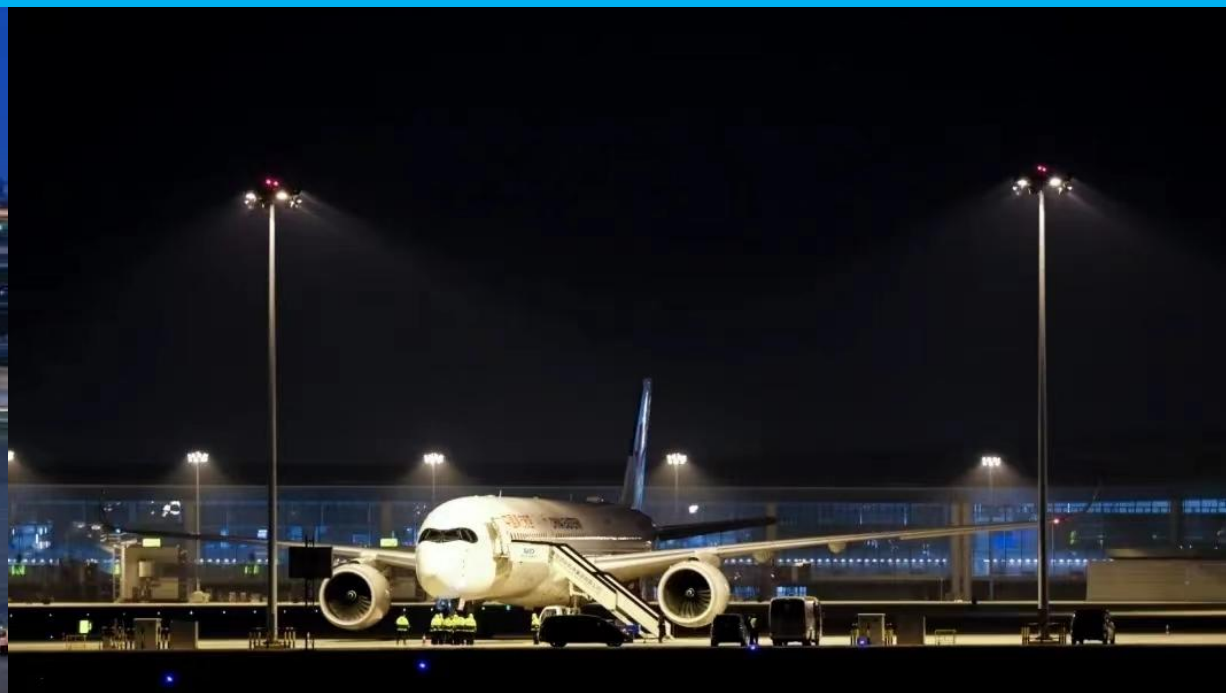
- Compliance to FAA and ICAO standard
- Die casting aluminum wind frame, with light weight and durability
- Use fragile mast, which can protect aircraft from accidents effectively
- Dismountable windsock and support pole, convenient for transportation and storage.
- Dismantling: a dismantling device on the top of the base, to prevent the damage to the aircraft in case of accident hit to the aircraft.
- Toppling structure design, easy to maintain
- Bearing assembly with a sealing cover, rotating freely and can show wind direction in real time
- Selectable air bag color
- LED light source, with low power consumption and external long life
- Integrated circuit as power drive, reliable operation and convenient maintenance
- Use light, high strength and waterproof cloth as air bag, which is flexible
- External long life

Installation method

- Wind vane shall be installed in the place without any interference from the nearby objects and the aircraft cyclone and in the places where it could be seen by the pilot who is in flight of the aircraft over the area in which the activity is suspended
- Embedded line: Embedded line from the system control cabinet inside the lighting station(it is suggested to use conduit not less than Φ20) to the junction box of the wind vane
- Connect the steel pipe to the lighting assembly; And connect Air bags rotary assembly; Connect the lamp power supply to the junction box, and seal junction box cover; Install the mounting base and make it vertical to the ground
- Install wind bags: fix the framework of air bag using srcrews, and nest the airbag into the framework. Connect the framework to the shaft of wind vane and fix them.
- Check and correct wind vane steel pipe, let it to be vertical; Wind bag should be rotated freely as the wind; Wind bag lights and aviation obstruction lights will be work normally after Power on

Shanghai Lansing Electronics Co., Ltd

Solar Powered Series Airport Lighting Products



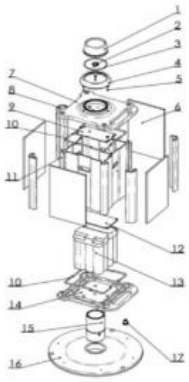
LED Solar Energy Unservicable Area Light

Model :JCL180

Product introduction

Elevated, omni-directional, red;
Illuminant: LED particles;
Power supply: solar energy, photovoltaic conversion;
Work pattern: not flashing/flashing, dimmable;
Control mode: light control (automatically) /remote; Application: unserviceable area light and obstacle light at various airports;
Minimum service life at rated power:50000h
LED Solar Energy Unservicable Area Light

Structure diagram



1 Inverted cone prism
2 LED particle
3 O type seal ring
4 Cover
5 O type seal ring
6 Solar panel
7 Top cover
8 Case cutting
9 Circuit board
10 O type seal ring
11 Case component
12 Accumulator board
13 Accumulator
14 Under cover
15 Fragile coupling
16 Flange plate
17 Aviation receptacle

1 倒锥棱镜（ 组合 ）
2 LED 颗粒
3 O 型密封圈
4 端盖
5 O 型密封圈
6 太阳能板
7 端盖-上
8 壳体插条
9 电路板
10 O 型密封圈
11 壳体组件
12 蓄电池压板
13 蓄电池
14 端盖-下
15 易折下接杆
16 法兰盘304
17 航空插座

Installation diagram

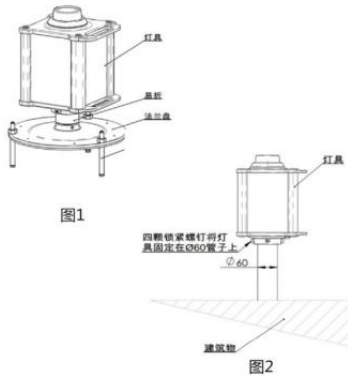


图1

图2

图1.直接通过法兰安装在地面上
图2.安装在建筑物上(可以安装在任意Ø60管子上)

Figure1. Installation on the ground through flange directly
Figure2. Installation on the building(available installing on any 60 pipe)

Features

- Patented inverted-cone prism structure with high light use efficiency;
- Strict control of 0°~10° emitting light angle;
- Use of international top brand LED with effective control of lamp temperature, service life reaches LED design ultimate;
- Energy conservation and environmental protection, application of solar energy without pollution;
- Prism edge uses unique design of taper, effective prevention of snow and sand;
- Bubble level can be directly placed on the lamp cover in order to adjust horizontal angle;
- Prism uses tempered glass so as to be resistant to wind erosion;
- Stainless steel fasteners, solid, durable and anti-corrosion;
- Aluminum alloyed light body, more light and portable;
- Modular design of light circuit board, easy to maintain;
- IP65 protection grade.

Technical parameters

Light fixture	Vertical angle request	Horizontal angle request	Average intensity required	Average intensity actual
LED Solar Energy Unservicable Area Light	0～10°	360°	10cd	13cd

Product introduction

The solar panel comes with JCL50 provides power supply to the light, which makes JCL50 a self-contained and care-free light unit. Also, with the solar function, the light is easy to deploy to almost any condition and any emergency case. Robust body built and surface coating provides good protection against hash environment. JCL50 is equipped with a high-efficiency rechargeable battery is also easy to find almost anywhere.

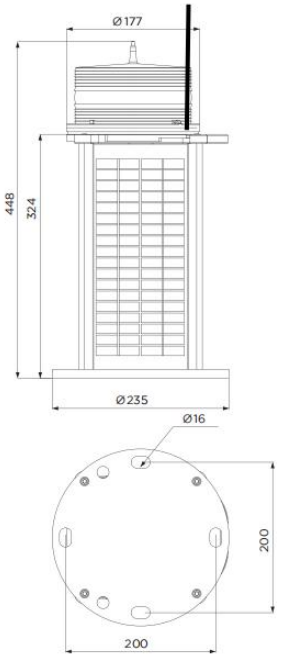
Specifications

LIGHT OUT-PUT	
Intensity	20-60cd
Illumination	Ultra-bright LEDs or NVG-compatible infrared (IR) LEDs
LED Color Available	Red,Yellow,Green,white,blue (optional)
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
OPERATION	
Autonomy	200 Hours
Flash Pattern	Steady and Flashing can adjusted
POWER SUPPLY	
Solar Efficiency	13.5%
Max. Power Out-put	20 Watts
Battery Type	High-efficiency Lithium rechargeable battery
Battery Capacity	12V / 15AH
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Die-casting Aluminum
Water-proof	IP67
Weight	8 KG
Temperature Range	-40C˚ ~ +55C˚
Warranty	3 years

Features

- External charger(charging case or add outside solar panel)
- ICAO and FAA compliance
- Improved optical efficiency with latest LEDs
- Ultra-light LEDs, energy saving
- Self-contained also with an outside charge interface
- Maximum visibility distance 6 KM
- Once fully charged, it can work for up to 200 hours
- with outside proof ON/OFF switch
- Programmable Independent lighting groups, dusk-till-dawn operation, adjustable intensity, sequence flashing.

Mounting Dimension



Portable Solar Helipad and Taxiway Light

Model :JCL60

Product introduction

The solar powered JCL60 is a field proven aviation light that offers enormous benefits over traditional battery and hard-wired aviation lights including low maintenance and no underground wiring. These completely self-contained LED lights are designed to suit a range of aviation and general applications including emergency airstrip, caution, taxiway, and threshold lighting. and the user-replaceable battery ensures a service life of up to 5 years.

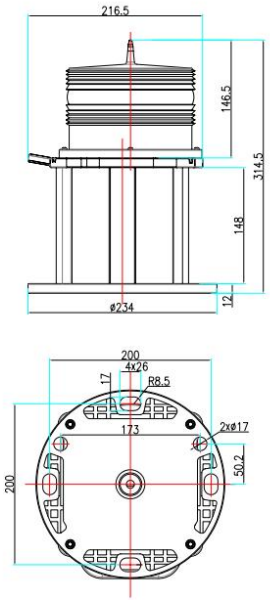
Specifications

LIGHT OUT-PUT	
Intensity	32.5cd
Illumination	Ultra-bright LEDs
LED Color Available	Red,Yellow,Green,white,blue
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
OPERATION	
Autonomy	15 days
Flash Pattern	20-90FPM (Preprogrammed default 40FPM)/fixed type
POWER SUPPLY	
Solar Efficiency	14%
Max. Power Out-put	10 Watts
Battery Type	Lithium rechargeable battery
Battery Capacity	3.7V / 8.8AH
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Die-casting Aluminum
Water-proof	IP68
Net Weight	4.6 KG
Temperature Range	-40C˚ ~ +55C˚
Warranty	5 years for light 2 years for NiMH battery

Features

- Integrated solar battery system
- Dual Internal high-performance solar modules angled to maximize solar collection
- Fast & easy to deploy-no programming
- IP67 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs(no changing globes ever)

Mounting Dimension



Portable Solar Helipad and Taxiway Light

Model :JCL80

Product introduction

The solar powered JCL80 is a field proven runway light that offers enormous benefits over traditional battery and hard-wired runway lights including low maintenance and no underground wiring. These completely self-contained LED lights are designed to suit a range of aviation and general applications including emergency airstrip, caution, taxiway, and threshold lighting. The unit has two high-performance solar modules mounted within the lens, which maximize solar collection and provide reliable operation in a range of environmental conditions. The focal plane of the light is designed to provide a vertical divergence of between 0 and +7 degrees, and the user-replaceable battery ensures a service life of up to 5 years.

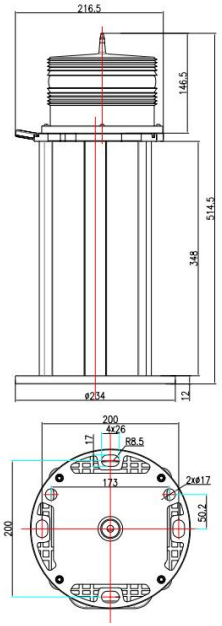
Specifications

LIGHT OUT-PUT	
Intensity	1600cd
LED Color Available	Red,Yellow,Green,white,blue (optional)
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
OPERATION	
Autonomy	25 days (flashing), 8 days(steady on)
Flash Pattern	20-90FPM (Preprogrammed default 40FPM)
POWER SUPPLY	
Solar Panel	18V/4*6W Solar module, mono-crystalline silicon with 14%efficiency
Storage battery	12V14AH High-efficiency Lithium rechargeable battery
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Die-casting Aluminum
Water-proof	IP67
Net Weight	4.6 KG
Temperature Range	-40C˚ ~ +55C˚
Warranty	5 years for light ,2 years for NiMH battery

Features

- Integrated solar battery system
- Dual Internal high-performance solar modules angled to maximize solar collection
- Fast & easy to deploy-no programming
- IP67 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs(no changing globes ever)

Mounting Dimension



Portable Solar Powered Taxiway(Runway) Light(LED type)

Model :JCL10F

Product introduction

The solar powered JCL10F is a field proven aviation light that offers enormous benefits over traditional battery and hard-wired aviation lights.

The JCL10F-HI is a high intensity version of the popular JCL10F and is ideal for use in high sunlight areas that receive a minimum of 3.5 hours of sun per day.

Specifications

	JCL10F	JCL10F-HI
Light source	ultra-high intensity LEDs	ultra-high intensity LEDs
Peak Intensity(cd)	Steady-on: Blue-2.8 Red-6.8 Green-9.0 White-7.0 Yellow-6.5 Flashing: Blue-5.5 Red-18.2 Green-21.9 White-19.1 Yellow-15.1	Steady-on: Blue-4.5 Red-12.1 Green-16.9 White-14.2 Yellow-11.6 Flashing: Blue-29 Red-32.5 Green-34 White-35.1 Yellow-31.1
Visible distance(km)	Flashing: >4 km Steady-on:>2.5 km	Flashing:>7.6 km Steady-on:>4 km
Horizontal Output(degree)	360	360
Vertical Divergence(degree)	0 to +7	0 to +7
Led life Expectancy(hrs)	>100,000	>100,000
Operating Voltage(V)	3.6	3.6
Temperature Range	-40 to 80℃	-40 to 80℃
Output(watts)	1.8(watt)	4.8(watt)
Battery type	High grade NiMH- Environmentally Friendly	High grade NiMH- Environmentally
Autonomy(nights)	Steady-on: >4 Flashing: >10	Steady-on: >10 Flashing: >32.5
Body material	Polycarbonate	Polycarbonate
Warranty	5 years on the light, and 2 years on the battery	5 years on the light, and 2 years on the battery

Features

- Integrated solar battery system
- Dual Internal high-performance solar modules angled to maximize solar collection
- Fast & easy to deploy-no programming
- IP67 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs(no changing globes ever)

JCL10F

JCL10F-HI

Portable Solar Powered Runway(Taxiway) Light

Model :JCL50F

Product introduction

JCL50F Can be used with wireless remote RM01 Hand held Remote Controller. The solar panel comes with JCL50F provides power supply to the light, which makes JCL50F a self-contained and care-free light unit. Also, with the solar function, the light is easy to deploy to almost any condition and any emergency case. Robust body built and surface coating provides good protection against hash environment.

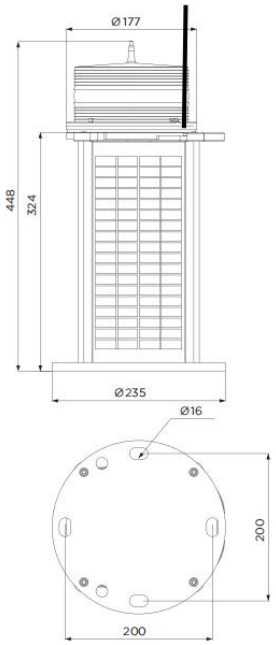
Specifications

LIGHT OUT-PUT	
Intensity	20-60cd(Can be adjusted by RM01 Handheld Remote Controller)
Frequency	900M
LED Color Available	Red,Yellow,Green,white,blue (Customizable)
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
OPERATION	
Autonomy	200 Hours
Flash Pattern	Steady and Flashing can adjusted
POWER SUPPLY	
Solar Efficiency	13.5%
Max. Power Out-put	20 Watts
Battery Type	High-efficiency Lithium rechargeable battery
Battery Capacity	12V / 15AH
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Die-casting Aluminum
Water-proof	IP67
Weight	8 KG
Temperature Range	-40C˚ ~ +55C˚
Warranty	3 years

Features

- External charger(charging case or add outside solar panel)
- ICAO and FAA compliance
- 900MHz wireless signal can reach 4KM distance or GPS
- Ultra-light LEDs, energy saving
- Self-contained also with an outside charge interface
- Maximum visibility distance 6 KM
- Once fully charged, it can work for up to 200 hours
- with outside proof ON/OFF switch
- Programmable Independent lighting groups, dusk-till-dawn operation, adjustable intensity, sequence flashing.

Mounting Dimension



MRM01 Hand held Remote Controller

Portable Solar Powered Runway(Taxiway) Light

Model :JCL60F

Product introduction

The solar powered JCL60F is a field proven aviation light that offers enormous benefits over traditional battery and hard-wired aviation lights including low maintenance and no underground wiring. These completely self-contained LED lights are designed to suit a range of aviation and general applications including emergency airstrip, caution, taxiway, and threshold lighting. and the user-replaceable battery ensures a service life of up to 5 years.

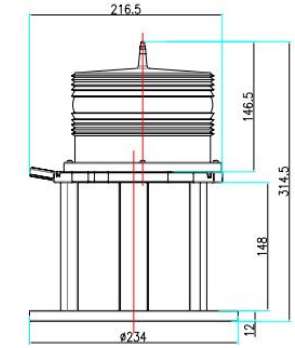
Specifications

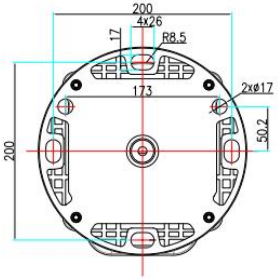
LIGHT OUT-PUT	
Intensity	32.5cd
Frequency	900M
LED Color Available	Red,Yellow,Green,white,blue
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
OPERATION	
Autonomy	15 days
Flash Pattern	20-90FPM (Preprogrammed default 40FPM)/fixed type
POWER SUPPLY	
Solar Efficiency	14%
Max. Power Out-put	10 Watts
Battery Type	lithium battery
Battery Capacity	8.8AH/3.7V
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Die-casting Aluminum
Water-proof	IP68
Weight	4.6 KG
Temperature Range	-40C° ~ +55C°
Warranty	5 years for light ,2 years for NiMH battery

Features

- Integrated solar battery system
- Dual Internal high-performance solar modules angled to maximize solar collection
- Fast & easy to deploy-no programming
- IP68 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs(no changing globes ever)
- ICAO and FAA compliance
- wireless control provides remote operation using either 900 MHz or 2.4 GHz communication

Mounting Dimension





Portable Solar Powered Runway(Taxiway) Light

Model :JCL80F

Product introduction

The solar powered JCL80F is a field proven runway light that offers enormous benefits over traditional battery and hard-wired runway lights including low maintenance and no underground wiring. These completely self-contained LED lights are designed to suit a range of aviation and general applications including emergency airstrip, caution, taxiway, and threshold lighting.The unit has two high-performance solar modules mounted within the lens, which maximize solar collection and provide reliable operation in a range of environmental conditions.The focal plane of the light is designed to provide a vertical divergence of between 0 and +7 degrees, and the user-replaceable battery ensures a service life of up to 5 years.

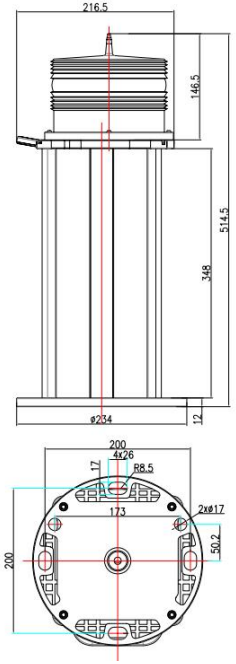
Features

- Integrated solar battery system
- Dual Internal high-performance solar modules angled to maximize solar collection
- Fast & easy to deploy-no programming
- IP67 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs(no changing globes ever)
- ICAO and FAA compliance
- wireless control provides remote operation using either 900 MHz or 2.4 GHz communication

Specifications

LIGHT OUT-PUT	
Intensity	1600cd
LED Color Available	Red,Yellow,Green,white,blue (optional)
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
OPERATION	
Autonomy	25 days (flashing), 8 days(steady on)
Flash Pattern	20-90FPM (Preprogrammed default 40FPM)
POWER SUPPLY	
Solar Panel	18V/4*6W Solar module, mono-crystalline silicon with 14%efficiency
Storage battery	12V14AH High-efficiency Lithium rechargeable battery
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Die-casting Aluminum
Water-proof	IP67
Net Weight	9.8KG
Temperature Range	-40C˚ ~ +55C˚
Warranty	5 years for light ,2 years for NiMH battery

Mounting Dimension



Heliport Perimeter Light

Model :JCL450

Product introduction

JCL450 heliport perimeter light is a constant green light 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 helicopter pilot. It is controlled by switch in the heliport control cabinet.

Specifications

	JCL450
Operating voltage	AC85-265V
Power consumption	≤5W
Pattern	Steady burning
Light Intensity	25cd
Light Source	LED
Light Source Lifespan	100,000 Hours
Emitting Color	Green,Yellow,Red etc
Ingress Protection	IP65
Operating temperature	-55℃~55℃
Wind Load	80m/s
Weight	3.5kg

Features

- 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..

Heliport Flood Light

Model :ZS180

Product introduction

ZS180 heliport flood light is a ground surface installation light. It's used to lighten the surface of the heliport, ensuring the heliport surface illumination not less than10 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.

Specifications

Power Supply	AC110V-AC240V/50,60Hz
Environment humidity	0～100%
Power Consumption	≤60W
Light Source	White LED
Altitude	≤4500m
Luminous Flux	≥10,000LM
Emitting Color	White5000K
Light Lifespan	100,000 Hours
Overall Size	400mm×260mm×142mm
IP Protection	IP65
Ambient Temperature	-55℃ ~55℃
Weight	5.6kg
Wind Load	80m/s

Features

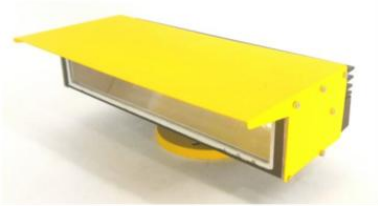
- All-aluminum alloy case, light weight, high structural strength, corrosion resistance and excellent heat dissipation.
- Imported LED light source, long life, low power consumption and high brightness.
- The glazing surface is tempered glass, which has excellent impact resistance, good thermal stability (500 ° C temperature resistance), good light transmission (light transmittance up to 97%), 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 95%, 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.



Product introduction

Specification: 15W,25W,45W,50W,65W,100W,150W,200W,300W

Rated current: 2.8~6.6A

Application: I,II,III catogery airports isolation transformer

Features

- In compliance with electric parameters of FAA;
- Application of international standard joint, to directly link to lights complied with international standards;
- Matched cold plug, no source of ignition, on-site fast and reliable connection;
- Transformer's shell made of imported plastic rubber materials, water resistant, acid and alkali resistant as well as anti-ageing;
- Sockets match exactly, meeting the insulation requirements of FAA;
- Plugs equipped with protective jacket, preventing sands from intrusion to protect insulation effects;
- Special enclosure design can absorb the impact energy effectively to ensure internal iron cores and coil to operate steadily;
- Withstand voltage>15KV, hot insulation resistance>7500 megohm, leakage current<2μA;
- Ground resistance<4Ω, reliable ground connection and strong safety;
- Wide operating temperature range: -55~65℃;

v All serial products range from 15W to 300W;

- Small size, compact structure and light weight;
- According to FAA requirements, to guarantee sufficient power headroom;
- Low temperature rise, to guarantee isolation transformer normal operation under high temperature;
- 50Hz and 60Hz can be employed universally; optional grounding terminal satisfies standard requirements around the world;
- Split into grounding form and non grounding form, optional for customers

Application Picture