



Lansing Helipad Lights Product Line

International civil aviation authorities set requirements for helipad lighting equipment used to make landing and taking off from helipads safer through greater visibility and enhanced information for pilots.

Shanghai Lansing Electronics Co., Ltd

Tel : +86 021 39921107

Fax : +86 021 39921107

E-mail : sales@lansinglight.com

Website : www.lansinglight.com

Add : No 609, Tahui Rd, Shihudang Town,
Songjiang Dist

Shanghai, China, 201612



About us

Lansing Electronics, based in Shanghai, China, is a high-tech company engaged in LED outdoor light R&D, manufacturing and marketing. The company has built a reputation for delivering top quality LED Outdoor Lightings with outstanding reliability and top performance since 2009.

We have a Complete Industrial LED Lighting Solutions, and our main product included aviation obstruction lights, solar marine lights and airport lights etc. They are manufactured using superior quality raw material which is sourced from the most reliable vendors of the market. Meanwhile, the entire products are designed and fabricated by our expert professionals, who have strong technical and business skills to perform their assigned tasks. With the support of modern infrastructure and well qualified team, we are able to provide customized lighting products in the market. Satisfying the client's precise needs has been our foremost priority and we have formulated competitive price policy to meet this objective. We at "Lansing" Believes in strengthen our Team & resources and detail R&D engineering which enable us to know how to work with attention on the quality of details, customized solutions, customer care and support. Our offered products are extensively used in telecommunications, airports, helipads, utilities, navigation lighting, windturbine, cranes, masts, power lines, tall buildings, bridges, stacks, weather masts, and cell sites. We have regular and long-term customers from more than 70 countries in the world, such as United States, Canada, United Kingdom, Germany, Russia, France, Italy, Australia, Japan, South Korea, Singapore, Philippines, Thailand, Mexico, Chile and so on.

There are many outstanding features that define Lansing brand: Customized solutions, reliability, Performance, Quality with Competitive price. This defines our USP (unique selling proposition).

Our goal

LANSING focus on R&D and dedicate to provide state-of-the-art product for our customer.

Our advantage

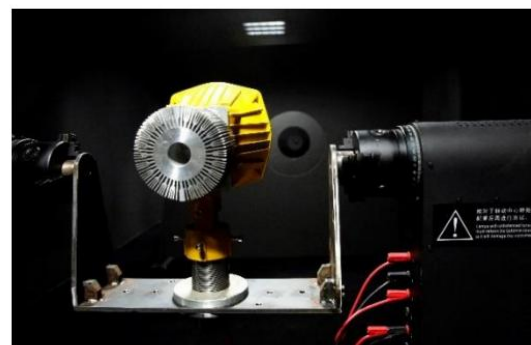
Deep understanding on technologies that our product require Absolutely following rules & regulations in the industry we are serving.

Our value

- Dedication
- Candor
- Eager for action
- Continuous change

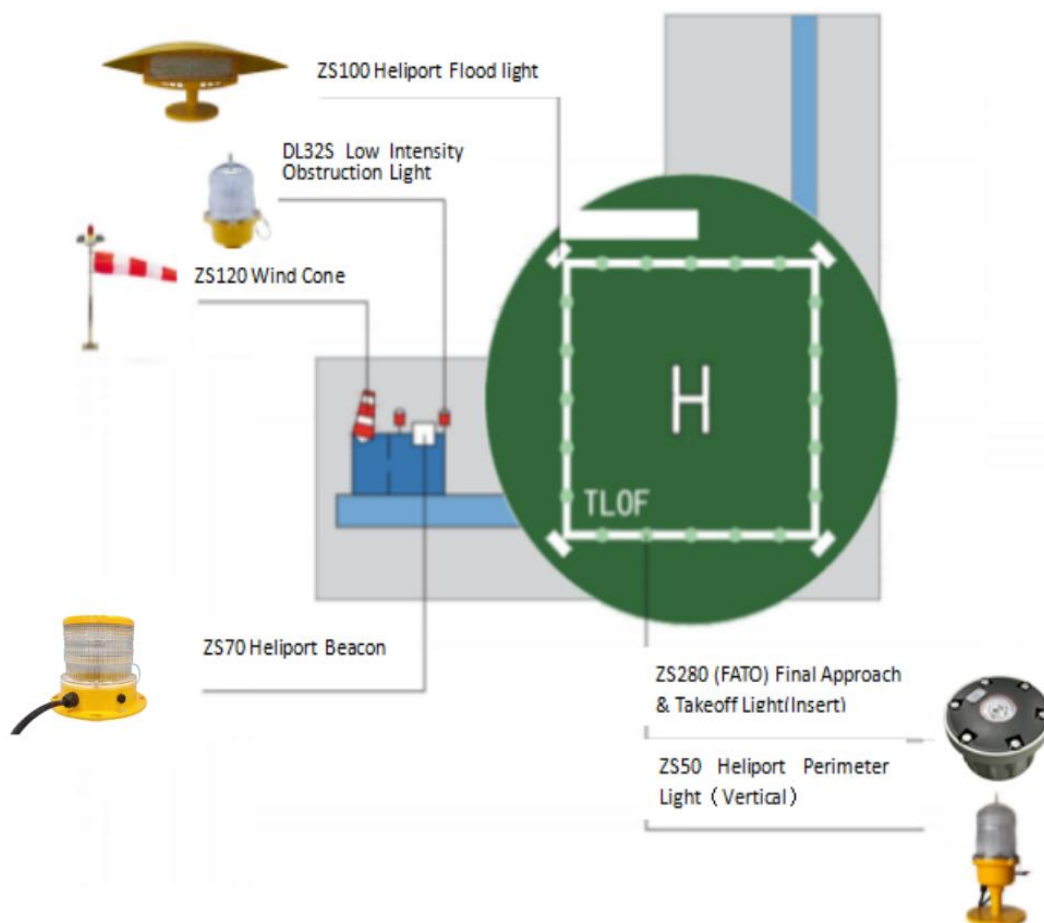
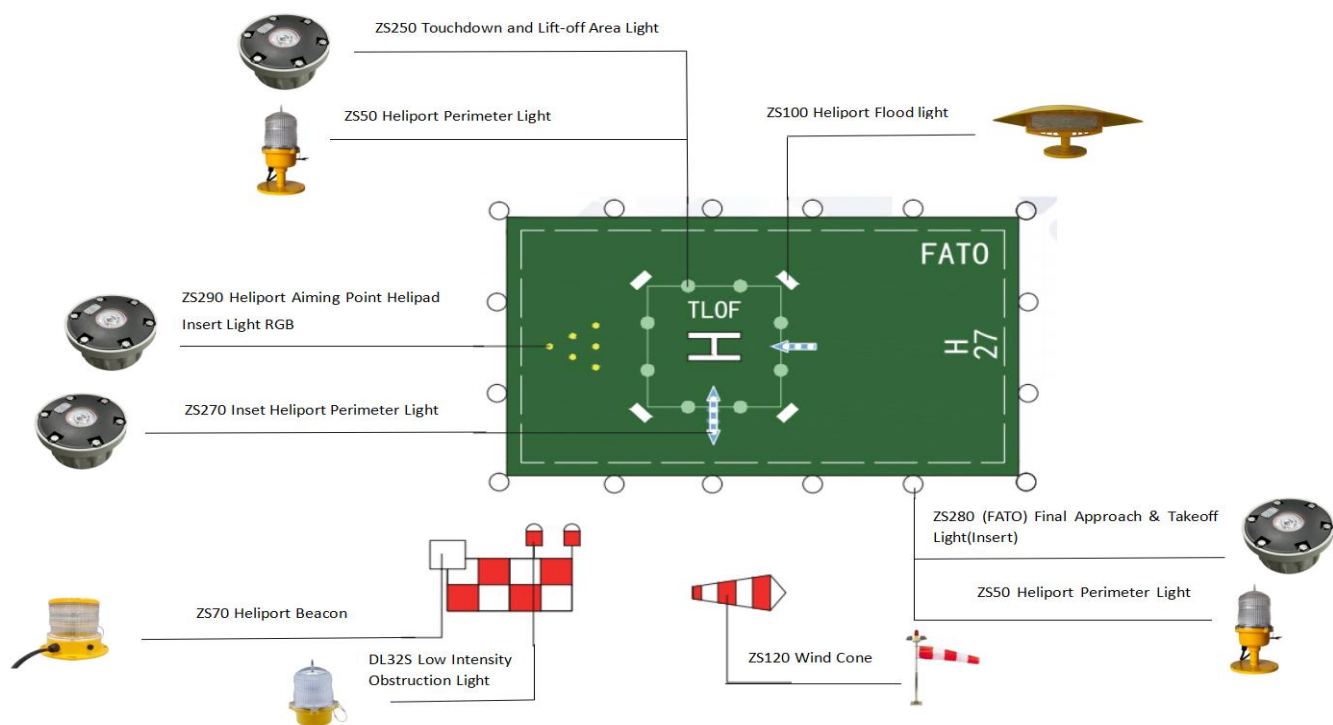


→ Laboratory and test site ←





Heliport Lighting Series	6	ZS270 Inset Heliport Perimeter Light
	8	ZS280 Inset (FATO) Final Approach & Takeoff Light
	10	ZS290 Inset Heliport Aiming Point Helipad Inset Light RGB
	12	ZS50 Elevated Heliport Perimeter Light
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	16	ZS100 Heliport Flood Light
	17	ZS70 Heliport Beacon
	19	ZS80 EMS Portable Heliport Beacon
	21	ZS60 Solar Helipad Perimeter Light
	23	ZS120 Internally Illuminated Wind Cone
	25	SY03 Wind Speed Sensor & Display Recorder
	26	ZS500 LED Visual Approach Slope Indicator
	29	LS-VSR Heliport Controller
	31	LS-VHF Heliport Radio Controller
	33	ZS550 Emergency power supply system



Product Introduction

ZS270 TLOF Inset Perimeter Light shell adopts die casting aluminum, it is good at waterproof and heat dissipation. The light resource adopts high quality LED and cooperates with advanced optical glass design, emitting angle meets FAA standard. They are used to mark and illuminate the TLOF as well as to help the pilot locate the pad and safely land during night operations and inclement weather conditions.

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

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

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

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

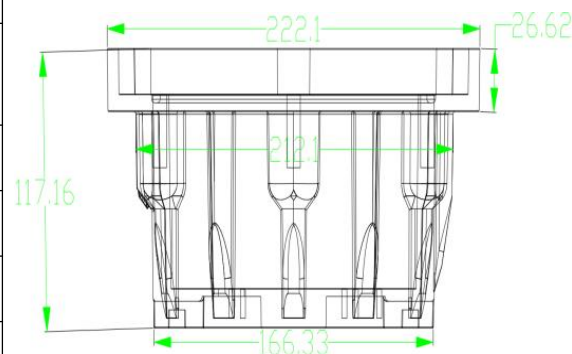
Features

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



Specifications

Item Name		ZS270
ELECTRICAL CHARACTERISTIC	Max Intensity	≥30cd
	LED source	Imported green customized LED
	Light Source Service Life	100000hours
	Emitting Color	Green
POWER SUPPLY	Optional voltage	AC220V, AC120V, DC12-48V or 6.6A
	Average Power Consumption	5W
OPERATION	Working Mode	Steady-burning
	Supply Frequency	50HZ ~ 60HZ
MECHANICAL STRUCTURE	Net Weight	5.2kg
	Size	ø222mm(D)×115mm(H)
	IP Protection	IP68
	Ambient Temperature	-40℃ ~ 55℃
	Humidity	0 ~ 100%
	Altitude	< 4500M
	Cable methods	Bottom/side entry



Mounting dimension(mm)

Application

- 1.Airport
- 2.Heliport
- 3.Helideck Apron
- 4.Remote mining and construction sites
- 5.Military

Product Introduction

ZS280 FATO Final Approach & Takeoff Light shell adopts die casting aluminum, it is good at waterproof and heat dissipation. The light resource adopts high quality LED and cooperates with advanced optical glass design, emitting angle meets FAA standard. They are used to mark and illuminate the FATO as well as to help the pilot locate the pad and safely land during night operations and inclement weather conditions.

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

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

FATO lighting system is white lights should be used to define the FATO edge, with a minimum of 4 light fixtures per side of the square or rectangle, with a light being installed at each corner of the FATO area.

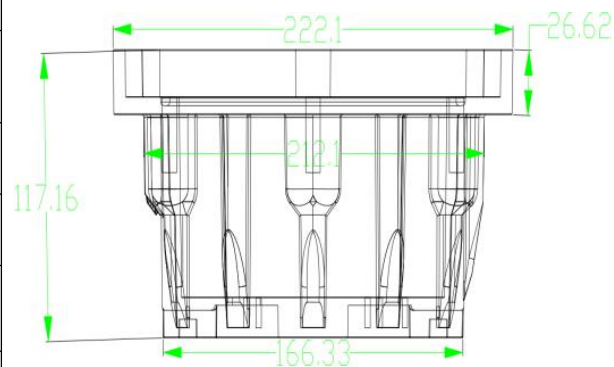
Features

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



Specifications

Item Name		ZS280
ELECTRICAL CHARACTERISTIC	Max Intensity	≥30cd
	LED source	Imported white customized LED
	Light Source Service Life	100000hours
	Emitting Color	White
POWER SUPPLY	Optional voltage	AC220V, AC120V, DC12-48V or 6.6A
	Average Power Consumption	5W
OPERATION	Working Mode	Steady-burning
	Supply Frequency	50HZ ~ 60HZ
MECHANICAL STRUCTURE	Net Weight	5.2kg
	Size	ø222mm(D)×115mm(H)
	IP Protection	IP68
	Ambient Temperature	-40℃ ~ 55℃
	Humidity	0 ~ 100%
	Altitude	< 4500M
	Cable methods	Bottom/side entry



Mounting dimension(mm)

Application

- 1.Airport
- 2.Heliport
- 3.Helideck Apron
- 4.Remote mining and construction sites
- 5.Military

Product Introduction

ZS290 Heliport Aiming Point Helipad Inset Light shell adopts die casting aluminum, it is good at waterproof and heat dissipation. The light resource adopts high quality LED and cooperates with advanced optical glass design, emitting angle meets FAA standard. They are used to mark and illuminate the FATO as well as to help the pilot locate the pad and safely land during night operations and inclement weather conditions.

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

An aiming point marking is provided at a heliport intended for use at night, aiming point lights should be provided. Aiming point lights shall be collocated with the aiming point marking. These lights are strong enough to drive over without damaging the light.

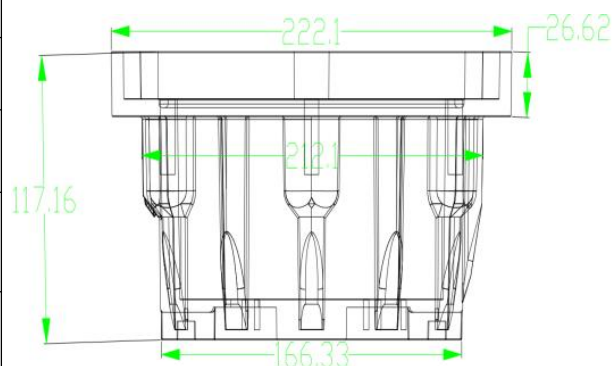
Features

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



Specifications

Item Name		ZS290
ELECTRICAL CHARACTERISTIC	Max Intensity	≥30cd
	LED source	Imported white customized LED
	Light Source Service Life	100000hours
	Emitting Color	White
POWER SUPPLY	Optional voltage	AC220V, AC120V, DC12-48V or 6.6A
	Average Power	5W
OPERATION	Working Mode	Steady-burning
	Supply Frequency	50HZ ~ 60HZ
MECHANICAL STRUCTURE	Net Weight	5.2kg
	Size	ø222mm(D)×115mm(H)
	IP Protection	IP68
	Ambient Temperature	-40℃ ~ 55℃
	Humidity	0 ~ 100%
	Altitude	< 4500M
	Cable methods	Bottom/side entry



Mounting dimension(mm)

Application

- 1.Airport
- 2.Heliport
- 3.Helideck Apron
- 4.Remote mining and construction sites
- 5.Military

Product Introduction

The Heliport perimeter light utilizes state-of-the-art optical design to achieve the most compact, efficient device in its class. The optical part is based on Fresnel lens, a transformed convex lens which can concentrate light to a small specific angle to meet with ICAO requirements.

They are used to mark and illuminate the TLOF as well as to help the pilot locate the pad and safely land during night operations and inclement weather conditions. It is a steady omnidirectional green light designed for marking the Touchdown and Lift-Off (TLOF) area, to indicate the safe landing area for helicopter pilot. A lighting system must be present on the heliports where night operations are conducted.

These lights should be located on TLOF boundaries. If the TLOF is a circle you need a minimum of 14 lights. If the TLOF is a square you need a minimum of 4 lights for each side and the distance between lights must be a maximum of 3 meters for elevated heliports or helidecks and no more than 5 m for ground heliports.

Features

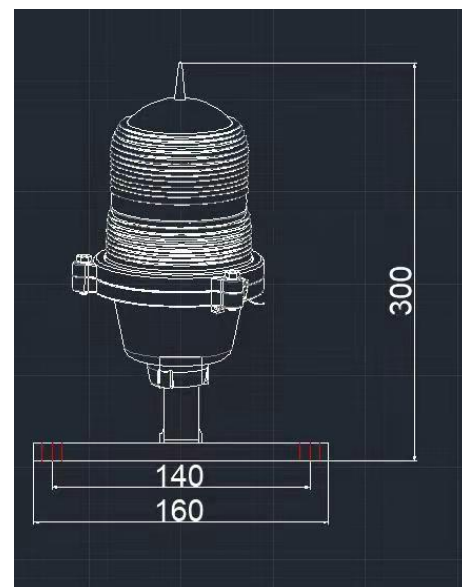
- The mounting system is elevated, fixed on a base plate with a frangible coupling
- Engineered and designed to be universally compatible with any existing heliport lighting system
- Mil-spec anodized cast aluminum body suitable for the harshest environments
- With the anti-surge protection device.
- GREEN light - Steady burning
- Pre-wired for quick and easy installations
- Adopt independent encapsulation of high-power LED light source, which has the specific of high light brightness, long service life and the expected lifetime for LEDs is more than 100000 working hours
- Impenetrable, factory epoxy potted LED driver and LED board cavity maximizes LED life.
- Waterproof gel wire connectors eliminate the need for crimping tools.
- The diffuser is made of clear polycarbonate UV protected, which makes it resistant to sun radiation
- Low profile, reduces the risk of damage to the fixture.
- Sturdy aluminum construction, stands up to heavy use.
- Standard hard anodized finish extends fixture service life.
- No RF-radiations
- The exposed surface to the wind is low so it can withstand strong wind

Advantages



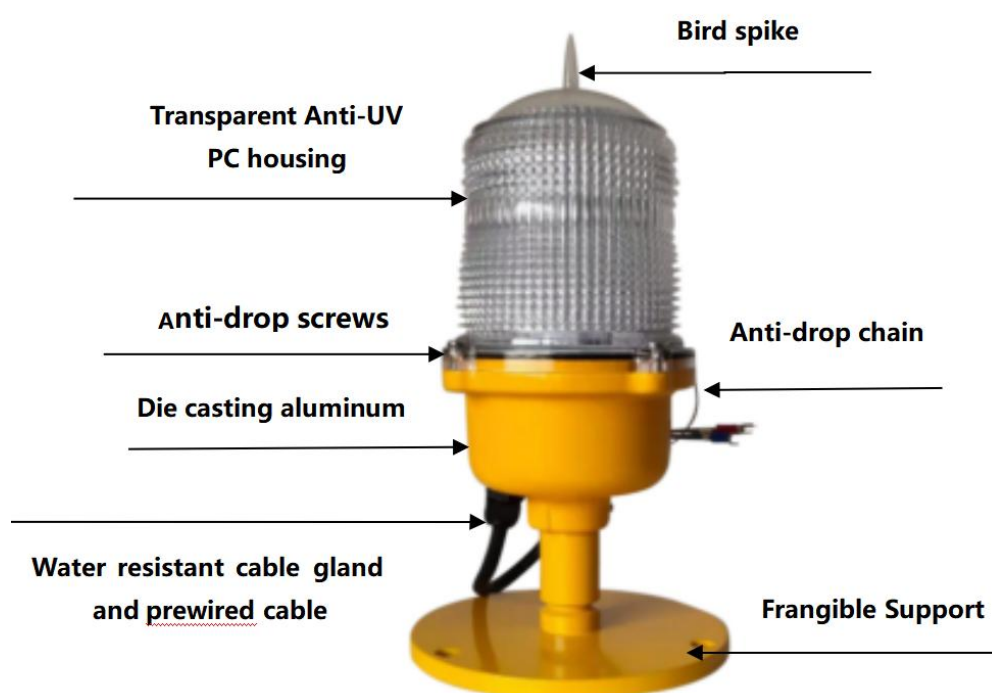
Specifications

Item		ZS50
ELECTRICAL CHARACTERISTIC	Effective Intensity	>25Candela
	Vertical Divergence	10 Degree
	Horizontal out-put	360 Degree
	LED Color	Green
	LED Lifespan	100,000 Hours
OPERATION	Woke mode	Steady burning
POWER SUPPLY	Input voltage	85-265VAC, 50/60 Hz; 12VDC; 24VDC;
	Power consumption	≤5W (Steady burning)
MECHANICAL STRUCTURE	Lens	Polycarbonate, UV Stabilize
	Body	Die-casting Aluminum
	IP Ingress	IP67
	Weight	3KG
	Operating Temperature	-40℃ ~ +55℃
	Storage Temperature	-40℃ ~ +70℃
	Wire Connection mode	Prewired
	Relative humidity	0-95% RH non-condensing
	Wind speed	Up to 150mph(240kph)
OTHERS	Warranty	2 years



Mounting dimension(mm)

Advantages



Product Introduction

ZS90 Heliport Floodlight has been specifically designed for helipads to provide uniform surface lighting where the TLOF and FATO lights need to be supplemented with floodlighting.

The floodlights are normally installed along the perimeter of the Touchdown and Lift-Off area. They can be fixed on a special base by means of screws or bolts, or directly to the ground and must be carefully oriented, in order to achieve the most effective spreading of the light.

The LED optic is specifically designed for helipad operations, and distributes the light evenly across the wide helipad surface. The angle of tilt of the LED luminaire can be easily adjusted to focus the light on the helipad to maximize illumination. The optic hood further prevents potential glare to pilots upon approach and will help the pilot to obtain the right information about state and quality of surface. It will be easier to detect obstacles or objects present on the surface. This light will help to detect snow, sand, or other possible disagreements for pilots.

Housed in a weatherproof, powder-coated yellow aluminium enclosure to withstand the harshest environments, the assembly has a low profile and is compatible with our standard frangible mountings. There are four mounting holes for easy installation on any surface.

ZS90 is especially built to give a good reading of the quality of the terrain. The powerful narrow beam light will bring out details on the surface. The concept of ZS90 Flood Light guarantees the pilot not to be disturbed by the light.

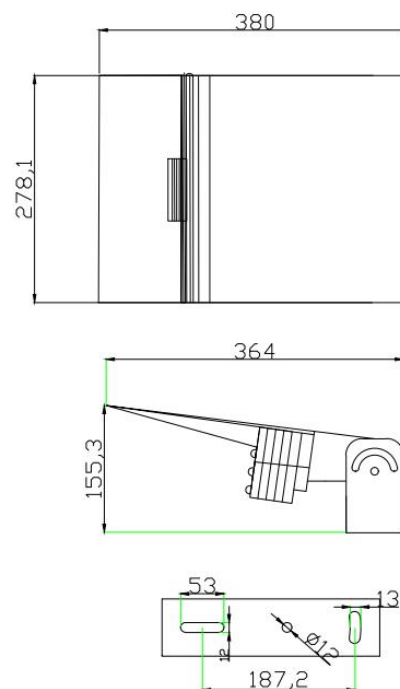
Features

- Optimized install with standard cable interface
- High power LEDs and period of use of LEDs is minimum 75,000 hours
- Light color: White - according to CIE Chromaticity Boundary
- Floodlight hood eliminates glare to pilots.
- Pre-wires for quick and easy to installations
- The orientation system is hinge type which can be orientated to the desired angle
- The fitting can be bolted on any flat surface with a frangible coupling
- With work stability, anti-electromagnetic radiation, anti-vibration, suitable for radar dense area.
- High-visibility yellow cast aluminum body, lens frame and mounting arm suitable for the harshest environments
- Metal guard to protect the lens.
- With the anti-surge protection device.
- Transparent PC dispenser with excellent impact resistance, good thermal stability (temperature resistance of 500°C), good light transmission (up to 97% light transmission), UV protected and aging resistance.
- Their maximum height is 130 mm to increase safety during landing/take-off procedures.
- IP ingress IP66



Specifications

Item		ZS90
ELECTRICAL CHARACTERISTIC	Power voltage	220VAC, 50~60Hz 48VDC
	Light Source	High Power LED
	Optical structure	Reflective optical structure
	Power Consumption	35W
	Light source life	10000h
OPERATION	Working mode	Steady Burning
	Luminous Flux	13000Lm
	Emitting Light Colors	White
MECHANICAL STRUCTURE	Body Material	Yellow powder coated aluminum
	Height above ground	Lower than 175mm
	Overall Size(mm)	364×278×155
	Installation size	165mm-M13×3
	Weight	3.8kg
	IP Protection	IP66
	Temperature range	-30℃ ~ 70℃
	Net Weight	3.5KG
	Humidity	< 95%
	Altitude	< 4500M
	Wind resistance	80 m/s
	color temperature	6000K
Other	Warranty	1 year

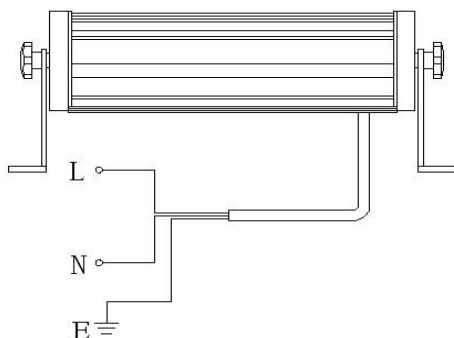


Mounting dimension(mm)

Installation

- ① Secure the light on a smooth surface which has enough strength with 4XM8 screws, if there is no mounting surface, we can customize special mounting bracket as request.
- ② When installation, please stay away the nearby light source.
- ③ Make sure the power supply can match the rated power of light before connecting.
- ④ Connect the power plug to the AC power, the light will start to work

Wiring Diagram:



Precautions:

- Ensure that the power connection part is correct before using.
- Temperature rise when light working is normal phenomenon.
- The part of material of products is PC(like lamp cover and lamp shell), so it cannot direct or in direct touch the organic solvent, such as industrial alcohol, banana oil, isotropic alcohol, carbon tetra chloride, cyclohexanone and so on, otherwise, the product will be corrosion.
- Please do not look light horizontally to protect your eyes while the light is working.
- Please make sure that the ambient temperature conditions should match this product. Otherwise it will not work properly.
- This product is a sealed structure; Please do not be tampered with by anyone other than registered installer. Once found, we are not warranty

Product Introduction

ZS100 Heliport Floodlight has been specifically designed for helipads to provide uniform surface lighting where the TLOF and FATO lights need to be supplemented with floodlighting.

The Surface Floodlights are designed to satisfy all the ICAO required performances: they will provide the correct Touchdown and Lift-Off area illumination, as alternative or as integration of the perimeter lights, with a minimum of 10 cd/m², the maximum height is 13cm, less than the required 15cm, to increase safety during hovering/ final approach operations, the two pivoting lamp holders provides the correct illuminations in any installation, aside from helipad shape and light positioning defenses on the lamp prevent the pilot from dazzling or direct light

The floodlights are normally installed along the perimeter of the Touchdown and Lift-Off area. They can be fixed on a special base by means of screws or bolts, or directly to the ground and must be carefully oriented, in order to achieve the most effective spreading of the light.

The LED optic is specifically designed for helipad operations, and distributes the light evenly across the wide helipad surface. The angle of tilt of the LED luminaire can be easily adjusted to focus the light on the helipad to maximize illumination. The optic hood further prevents potential glare to pilots upon approach and will help the pilot to obtain the right information about state and quality of surface. It will be easier to detect obstacles or objects present on the surface. This light will help to detect snow, sand, or other possible disagreements for pilots

Housed in a weatherproof, powder-coated yellow aluminium enclosure to withstand the harshest environments, the assembly has a low profile and is compatible with our standard frangible mountings. There are four mounting holes for easy installation on any surface.

ZS100 is especially built to give a good reading of the quality of the terrain. The powerful narrow beam light will bring out details on the surface. The concept of ZS90 Flood Light guarantees the pilot not to be disturbed by the light.

Features

- Optimized install with standard cable interface
- High power LEDs and period of use of LEDs is minimum 75,000 hours
- Light color: White - according to CIE Chromaticity Boundary
- Floodlight hood eliminates glare to pilots.
- Pre-wires for quick and easy to installations
- The orientation system is hinge type which can be orientated to the desired angle
- The fitting can be bolted on any flat surface with a frangible coupling
- With work stability, anti - electromagnetic radiation, anti - vibration, suitable for radar dense area.
- High-visibility yellow cast aluminum body, lens frame and mounting arm suitable for the harshest environments
- Metal guard to protect the lens.
- With the anti-surge protection device.
- The disperse is made of transparent PC with excellent impact resistance, good thermal stability (temperature resistance of 500°C), good light transmission (up to 97% light transmission), UV protected and aging resistance.
- Their maximum height is 130 mm to increase safety during landing/take-off procedures.
- The degree of protection IP66
- Nominal operating temperature from -30 to +70 °C



Specifications

Name	ZS100
Power voltage	220VAC, 50~60Hz 48VDC
Light Source	High Power LED
Optical structure	Reflective optical structure
Power Consumption	30--70W(optional)
Light source life	10000h
Working mode	Steady Burning
Luminous Flux	13000Lm
Emitting Light Colors	White
Body Material	Powder coated aluminum
Height above ground	Lower than 180mm
Overall Size(mm)	330×270×180
Installation size	165mm-M13×3
Weight	3.8kg
IP Protection	IP66
Temperature range	-30°C ~ 70°C
Net Weight	3.5KG
Humidity	< 95%
Altitude	< 4500M
Wind resistance	80 m/s
color temperature	6000K



Product Introduction

A Heliport beacon is a powerful light, omnidirectional intended to signal the presence of a heliport. The Heliport beacon flashes in Morse code the letter H. It is used especially when the helipads are surrounded by lights like in a city where it is hard to distinguish the heliports from the other lights, and it is located on or adjacent to the heliport preferably at an elevated position and so that it does not dazzle a pilot at short range.

Lansing Heliport beacon is white flashing beacon, built around LED technology, providing highly conspicuous heliport acquisition by flashing an omnidirectional white Morse Code "H"(group of 4 flashes) and the light from the beacon is show at all angels of azimuth.It offers significant advantages in terms of lifetime (100 000 hours), sturdiness and energy consumption. The photocell for automatic ignition and the dry contact are both in option.

The fixture integrates a robust mechanical structure, modular electronics and controls creating the cleanest installation. Its robust, low power design will provide years of maintenance free service (includes 5 years performance warranty).

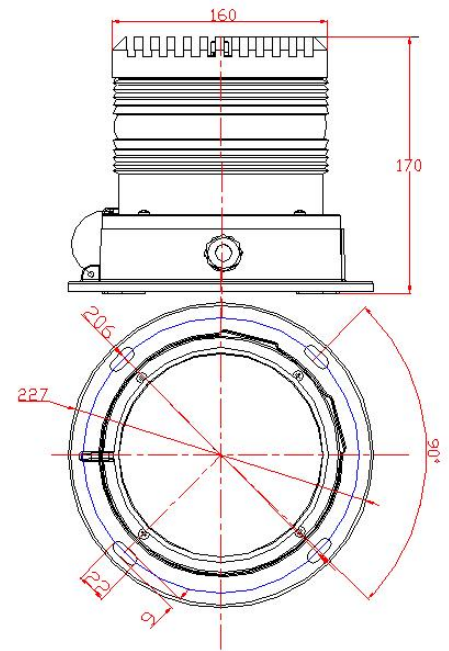
Features

- Based on Led Technologies with low consumption
- Modular design, easy access to all components
- White color with Morse Modes.
- Lens made from durable, UV-stabilized LEXAN polycarbonate
- Aluminum base with powder painted, corrosion-resistant
- Fresnel optical lens provides excellent light distribution
- Internal LED driver and constant current regulator make the light illuminate steadily
- Aluminum heatsink provides excellent thermal dissipation performance
- Protective vent for balancing pressure and reduce condensation
- Stainless steel safety rope protects light head from fall-off during maintenance
- Photocell option for automatic activation at night
- No regular maintenance
- Uses 96% less power than an incandescent light
- Excellent shock and vibration resistant
- No RF Radiations, EMC Compliant
- Protection: Polarity reverse, overvoltage and short-circuit
- Optional GPS synchronization
- Both NO and NC dry alarm contacts are available, and it will give an alarm in case of power and light failure(optional).
- Simpler cable installation



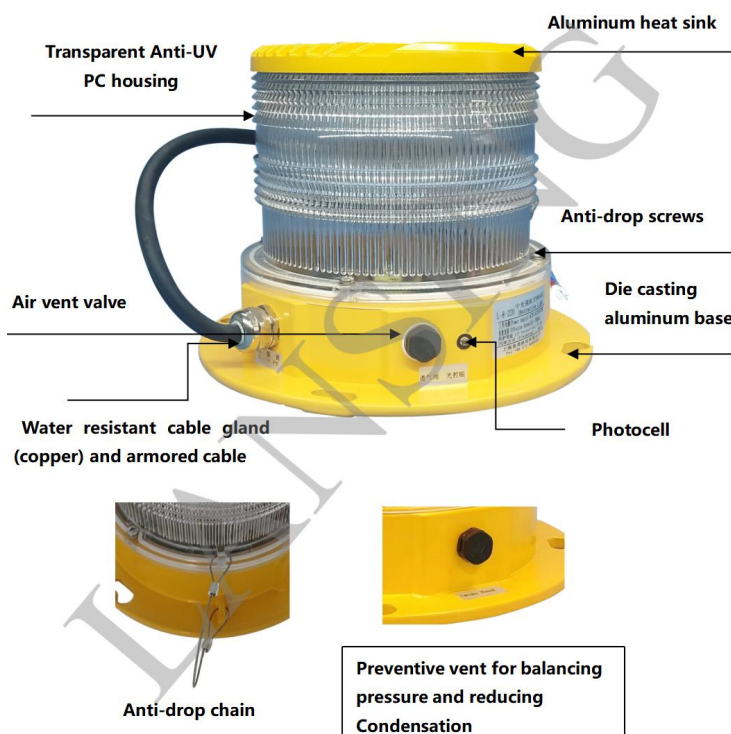
Specifications

Item		ZS70
	Effective Intensity	>2500 Candela
	Vertical Divergence	3 Degree
	Horizontal out-put	360 Degree
	LED Color	Red
	LED Lifespan	100,000 Hours
OPERATION	Woke mode	Flashing, 30 times/min
	Photocell sensitivity	70-100 Lux
	Alarm type(optional):	NO & NC, dry contact relay
POWER SUPPLY	Input voltage	AC220V;AC120V;DC12-48V;6.6A
	Power consumption	50W
MECHANICAL STRUCTURE	Lens	Polycarbonate, UV Stabilize
	Body	Die-casting Aluminum
	IP Ingress	IP66
	Weight	2.5KG
	Operating Temperature	-40°C ~ +55°C
	Storage Temperature	-40°C ~ +70°C
	Wire Connection mode	Prewired
	Relative humidity	0-95% RH non-condensing
	Wind speed	Up to 150mph(240kph)
	Dimensions	∅ 226mm×226mm×170mm
OTHERS	Minimum pre-buried pit size	∅ 205mm×M8 (4 mounting holes)
	Warranty	1 year



Mounting dimension(mm)

Advantages



Product Introduction

The Lansing EMS portable helipad beacon is ideal for emergency situations where a temporary landing area is needed and can be easily configured and deployed to suit local requirements.

It is a powerful light, omnidirectional intended to signal the presence of a heliport. The Heliport beacon flashes in Morse code the letter H. It is used especially when the helipads are surrounded by lights like in a city where it is hard to distinguish the heliports from the other lights, and it is located on or adjacent to the heliport preferably at an elevated position and so that it does not dazzle a pilot at short range.

The fixture is robust body built and surface coating provides good protection against harsh environments. It is compatible for a wide primary AC input from 85VAC to 265VAC. Built-in inverter circuitry, battery charger, and high-quality 12V12AH VRLA battery packs, it shall operate on commercial AC power and, upon failure of the commercial power, shall transfer automatically to a backup battery power supply with the capacity to operate the light normally for 7 days at flashing mode before resumption of the AC power.

The batteries are easily replaced by the user and the kit comes standard with high powered, readily available, air alkaline batteries.

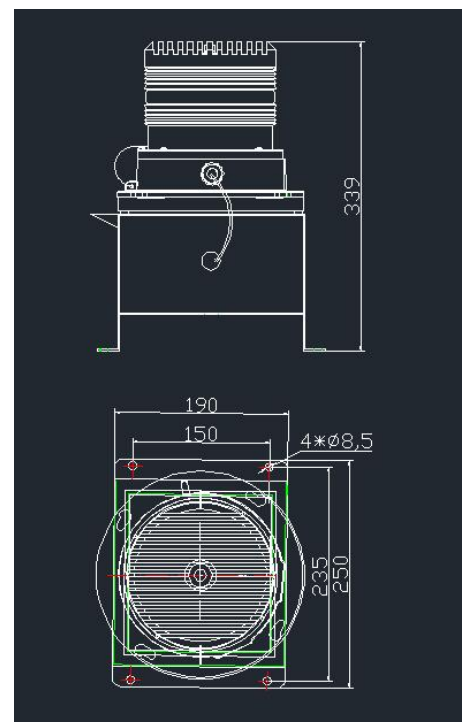
Features

- Based on Led Technologies with low consumption
- Modular design, easy access to all components
- Can be operated in steady-burning or flashing mode
- Lens made from durable, UV-stabilized LEXAN polycarbonate
- Aluminum battery box with powder painted, corrosion-resistant
- Fresnel optical lens provides excellent light distribution
- Internal LED driver and constant current regulator make the light illuminate steadily
- Aluminum heatsink provides excellent thermal dissipation performance
- Protective vent for balancing pressure and reduce condensation
- The brightness intensity values comply with: ICAO Annex 14 Vol.2 fig.5-11/1
- With 12V12AH VRLA battery and charger, it can work for up to 7 days in flashing once charged
- White color with Morse Modes.
- Photocell option for automatic activation at night and daytime
- No regular maintenance
- Uses 96% less power than an incandescent light
- Excellent shock and vibration resistant
- Protection: Polarity reverse, overvoltage and short-circuit
- No RF Radiations, EMC Compliant
- Install in minutes
- With GPS function, can work with other lights synchronously(optional).



Specifications

Item		ZS80
	Effective Intensity	>2500 Candela
	Vertical Divergence	3 Degree
	Horizontal out-put	360 Degree
	LED Color	White
	LED Lifespan	100,000 Hours
OPERATION	Autonomy	7 days (flashing)
	Flash Pattern	Flashing, 30 times/min
	Flash duration	670ms
	Photocell sensitivity	70-100 Lux
POWER SUPPLY	Input voltage	85-265VAC, 50/60 Hz
	Power consumption	25W
MECHANICAL STRUCTURE	Battery capacity	12V12AH VRLA rechargeable
	Lens	Polycarbonate, UV Stabilize
	Body	Yellow powder coated Aluminum
	IP Ingress	IP66
	Weight	11KG
	Operating Temperature	-40℃ ~ +55℃
	Storage Temperature	-40℃ ~ +70℃
	Wire Connection mode	Plug
	Relative humidity	0-95% RH non-condensing
	Wind speed	Up to 150mph(240kph)
	Light Dimensions	200mm H, 178mm Diameter
	Solar panel Dimensions	420mm*600mm(bracket not included)
OTHERS	Warranty	2 years



Mounting dimension(mm)

Advantages



Product Introduction

ZS60 Solar LED Helipad perimeter Light is a solar-powered, completely self-contained LED heliport light designed to meet the standards of ICAO Annex 14 Touchdown and Lift-off perimeter lights and FAA Engineering Brief 87 Heliport Perimeter Light for Visual Meteorological Conditions.

The fixture is a constant green light upright installing light. Emitting omnidirectional green light at night 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.

The solar powered helipad light has four 5 watt (20 watt total) premium-grade solar modules integrated into the solar chassis, and mounted to collect sunlight at all angles, which makes it a care-free light unit and with MPPT (Maximized Power Point Tracking) micro-controller enables this model to maximize solar power output and gives over 80 hours of continuous operation at ICAO Annex 14 Touchdown and Lift-off perimeter light intensities.

The unit is made from tough, impact resistant powder coating aluminum in aviation yellow, providing good protection against harshest environments. . A premium grade solar module is integrated into the assembly and mounted to collect sunlight. The solar array charges the 10Ah battery during daylight hours, and at dusk the light will automatically begin operation, and ZS60 is also available with an on/off switch for storing and protect battery from over-charging and over-discharging.

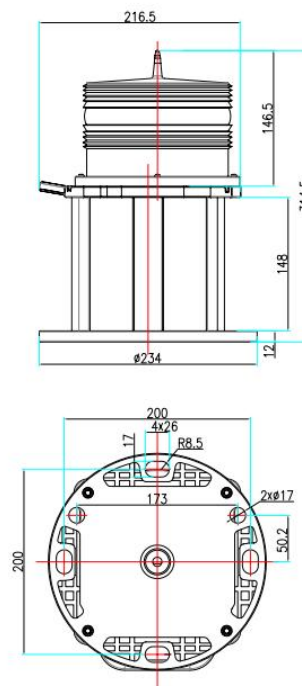
Features

- Ultra-bright LEDs, reliable light source ensures long lifespan
- Four-side solar panels and integrated MPPT maximize sunlight collection
- Integrated MPPT (Maximized Power Point Tracking) for maximizing sunlight collection
- Automatic night activation
- Integrated SBM (Smart Battery Management) for saving energy to extend autonomy
- Fresnel optical lens provides excellent light distribution
- Lens made from durable, UV-stabilized LEXAN polycarbonate
- Steady burning ,Red,yellow, white, green or blue color, horizontal 360° omnidirectional light;
- Over 80hrs of continuous operation at ICAO Annex 14 Touchdown & Lift Off Area Perimeter Lights
- Aluminum base with powder painted, corrosion-resistant
- Automatically off after being packed for 18 hours
- A handle on the light shoulder makes carrying and lifting easier for deployment
- Protective vent for expelling battery gas and reduce condensation
- Bird spike against birds landing and nesting
- No regular maintenance
- Excellent shock and vibration resistant
- Convenient ON/OFF switch
- Install in minutes
- IP67 compliant



Specifications

Item		ZS60
	Effective Intensity	>30Candela
	Vertical Divergence	10 Degree
	Horizontal out-put	360 Degree
	LED Color	Green
	LED Lifespan	100,000 Hours
OPERATION	Woke mode	Steady burning
	Photocell sensitivity	70-100 Lux
	Autonomy	7 days
POWER SUPPLY	Solar panel	Solar module, mono-crystalline silicon 18V/10W
	Solar Efficiency	14%
	Battery capacity	High-efficiency 12V10Ah Lithium battery
	Battery replacement	Replaceable
MECHANICAL STRUCTURE	Lens	Polycarbonate, UV Stabilize
	Body	Aviation yellow powder-coated extruding aluminum
	IP Ingress	IP67
	Weight	5.2KG
	Operating Temperature	-30℃ ~ +55℃
	Storage Temperature	-40℃ ~ +55℃
	Suitable areas:	PSH≥3
	Relative humidity	0-95% RH non-condensing
	Wind speed	Up to 150mph(240kph)
	Dimension	∅ 234mm×234mm×314.5mm
OTHERS	Warranty	5 years for light
		2 years for battery
		10 years for Solar panel



Mounting dimension(mm)

Advantages



Product Introduction

ZS120 Helipad wind cone is used for indicating final approach and taking off wind direction on smaller airfields, heliports and as supplemental wind indicators near runway touchdown areas on large airfields, and providing visual indication of wind direction and velocity at a location on an airfield.

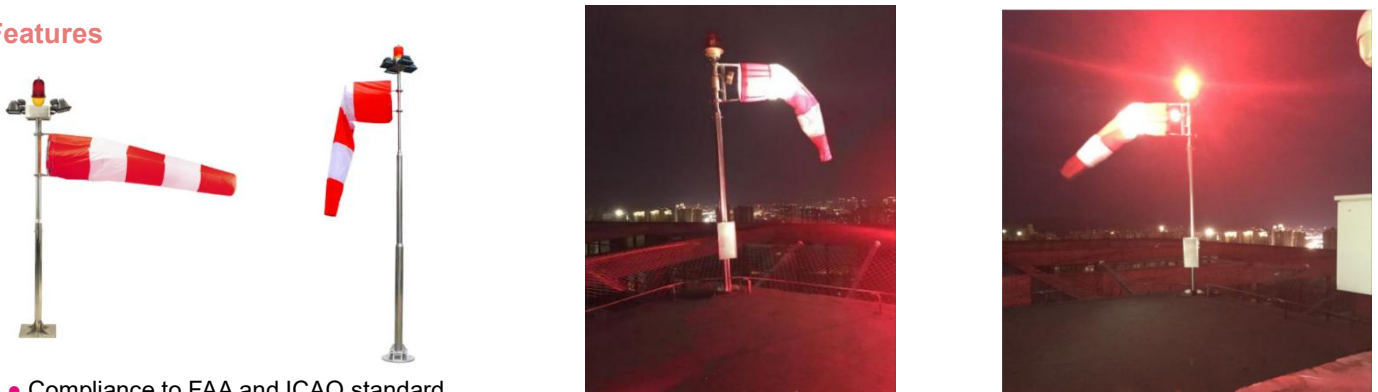
Installation position must be not interfered by around object and airflow formed by helipad wing and make pilot recognize wind cone at 200 meters away. ZS120 illumination wind cone is one sign for all kinds of airports and helipad fields and can work all day. Product standard is compliance with requirement FAA, AC150/5345-27C,L-806 latest revision and ICAO Annex 14 design requirements.

The Wind Direction Indicator is internally illuminated and mounted with an Obstacle red LED light on the top. It is available in different dimensions and has a very durable synthetic textile. The Wind Direction Indicator is tiltable and is one-man-operation for windcone replacement. Aluminium and stainless steel Red-White mast thermocoating Direct 110~250Vac input

It is made of high strength, lightweight aluminum for durability in all environmental conditions. The base and pole are stainless steel for long-lasting protection. Made in polyester, resistant to U.V. and bad weather conditions, the density of the fabric does not exceed the 160g/m² recommended by the standards. Windcone can be installed on any surface. Optional mounting base is available for structural connections. The hinged base on windcone allows for easy accessibility when maintenance is needed.

Each wind cones can be custom designed for various heights, basket sizes and windsock colours, converted for portable applications, outfitted with visible and infrared obstruction lights as required. We also provide various options of customization, such as the integration of a specific logo, a specific size or a specific colour.

Features

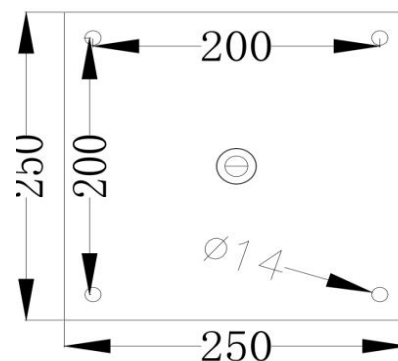
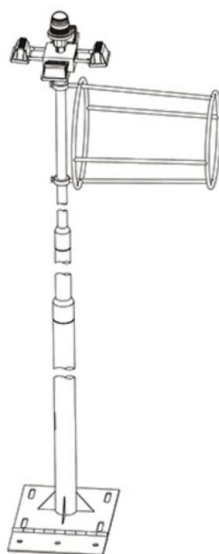


- Compliance to FAA and ICAO standard
 - The windsock Frame is illuminated internally by an LED lamp to give 75,000-hour life at low energy consumption.
 - Weatherproof sealed bearings for smooth rotation and true wind readings
 - Dis-mountable windsock and support pole, convenient for transportation and storage. The mast sections are joined by bolts; no welding is required to assemble. The sectional design also means no lifting equipment is required to install the mast.
 - 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.
 - Optional fuse bolts for frangibility
 - The lamp is shielded from the mouth of windsock to prevent pilot glare, using a stainless-steel shield that rotates with the windsock. Lighting is available for 220V, 120V AC, 48V DC or 6.6A application.
 - The illumination is fixed, with the windsock frame and shield rotating around it, for maximum reliability. We do not use a slip ring to transfer power to a rotating light fitting.
 - An ICAO-compliant Red LED Low Intensity Obstruction Light can be mounted at the top of the mast.
 - The illumination is controlled by a switch mounted on the base post, fitted with a small neon light to help locate it in the dark, a photocell is available if required. The optional obstruction light is controlled directly by a switch to allow it to be left on at all times if required.
 - The windsock frame is a low-mass design, fabricated entirely from stainless steel, rotating at 360 degree freely, rugged, reliable and proven operation; The basket-type frame supports the windsock fully open under zero wind conditions.
 - All cabling is contained within the mast for protection.
 - The mast can be safely raised and lowered by one person using an auto-braked winch. This is fitted as standard to masts 4m or higher, to avoid damage to the windsock when lowering the mast for maintenance.
 - A mast lock secures the mast in the upright position once raised, in addition to the winch.
 - No special tools or stitching are required to fit or replace the windsock.
 - A range of standard sizes from 1.5m to 7m overall height; Other heights available to suit local requirements.
 - 100% polyester custom-made material, light, high strength and waterproof, available in standard aviation orange, or in ICAO layout 3 colour and 2 white bands. Other colours or striped/banded versions in different colors and sizes are available.
- A wind direction indicator is a truncated cone made of lightweight fabric with the following minimum dimensions:

	Surface-level heliports	Elevated heliports and helidecks	Surface-level heliports
Length	2.4 m	1.2 m	3.6m
Diameter (larger end)	0.6 m	0.3 m	0.9m
Diameter (smaller end)	0.3 m	0.15 m	0.45m

Specifications

	Item	ZS120
Application	Application	Helipad
	Suitable For	Safe Area
	Zone	Safe Area
ELECTRICAL CHARACTERISTIC	Internal light source	LED, steady burning, colour white.
	Obstruction Light Source	LED, steady burning, colour Red
	Obstruction light	Low Intensity 32 cd
	Light Color	Red/White
	Light Source	L-810 LED Obstruction Light on top
	Life expectancy	100.000+ hours
POWER SUPPLY	Input Voltage	AC220V,50/60Hz (Option voltage, eg: AC120V, DC48V)
	Consumption	20 Watt
MECHANICAL STRUCTURE	Tested Ambient Temp	-20°C to + 60°C
	Cable	H07RN-F 3x1mm ²
	Cable glands included	1 x M20x1.5
	Assembly	Internally lighted + obstruction light
	Mounting	Tiltable foot
	Mast material	Stainless Steel (SS304)
	Windsock Frame	SS304, Rotating Frame and Hoop
	Altitude	≤4500m
	Ingress Protection	IP65
	Mast length	Up to 7m
	Chassis Installation Size	350mm×M20×6PCS
	Windsock material	PVC
	Windsock colour	Red/White striped or Orange
	Ambient temp	-40°C to + 85°C
	Windspeed	260 km/hr
OTHERS	Incompliance with	ICAO annex 14, CAP437, FAA L-807



Mounting dimension(mm)

Product Introduction

SY03 Wind speed sensor & display recorder is a meteorological instrument used to measure and record the wind speed. The product adopts high-definition LCD display the current date, time, the wind speed value, built-in high-capacity flash memory chip which can be automatically stored for at least one year meteorological data.

The instrument can be widely used in meteorology, agriculture, forestry, environmental protection, marine, airport, port, scientific research and other fields.

Features

- High-definition character LCD screen with friendly human-computer interface
- The measurement accuracy of wind speed and direction is high, and the system is stable and reliable
- Large-capacity data storage can store up to 57344 meteorological data (data recording interval can be set between 1-240 minutes)
- Humanized design of communication interface, three kinds of communication interfaces can be selected as required
- Powerful upper computer software facilitates remote monitoring and meteorological data processing and analysis
- Scientific and reasonable structure design and convenient installation

Specifications

Item	SY03
Power supply	AC220V,DC12V
Range	Wind speed:0~45m/s; Wind direction:0~360 °
Accuracy rating	Wind speed:±(0.3+0.03v)m/s; Wind direction:±3 °
Start-up wind speed	≤0.5m/s
Long-term stability	Wind speed:≤0.1m/s/y; Wind direction:0 °/y
Store-in	4M bit(57344 pieces of meteorological data)
Interrecord gap	1-240min(adjustable)
Communication protocol	RS232,RS485,USB,GPRS
Host operating environment	-40℃~50℃ ; 5%RH~95%RH
Dimensions	165x125x75mm



Product Introduction

The LED Visual Approach Slope Indicator (VASI) is used to guide aircraft to approach the runway at an appropriate altitude. It is specially designed to accommodate the helicopter's steep angles of descent and deliberate speeds. There are three Colors which to show three wide horizontal beams in different colored light. And it is projected in fan shaped array into the incoming flight pattern. The top beam is yellow which indicates a too high altitude of approach; The center beam is green which is the correct altitude; The lower beam is red which indicates a too low altitude. By staying within the green light beam that is correct altitude.

It ensures a safe landing, allowing the pilot to determine correctly the approaching direction and descent angle during both day and night-time.

The LED lamp is of very high intensity and has a rated life of at least 75,000 hours. It is powered by 110 volts or 220 volts AC current with a frequency range from 50 to 60Hz. The LED lamp consumes a tenth of the power of the regular halogen bulb, which creates a big saving in power consumption.

The optical surface is designed so that ice, dirt, and condensation would interfere as little as possible with the light beam.

The VASI is normally placed on the border of the safety area on the near side, adjacent to the intended touchdown point of a runway or helipad and face into the landing pattern. It is constructed of heavy cast aluminum that is weather tight and finished in an orange polyester power coating.

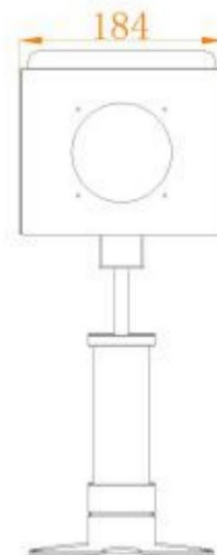
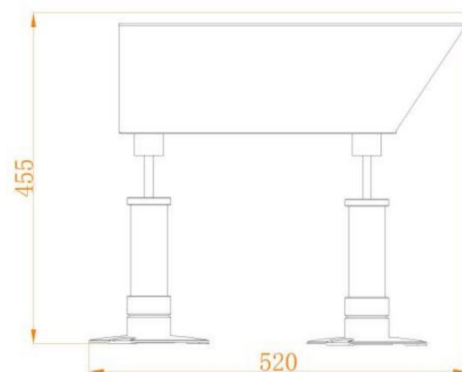
Features

- LED technology, low-energy and environment friendly lighting fitting , 95% less power than equivalent incandescent light
- Power supply available in AC(110V, 240VAC), DC48V, DC24V or others
- Outstanding photometric performance.
- Unique designed polycarbonate lens for converging light and also provides corrosion resistance and UV protection.
- UV protection Powder coated anti glare yellow color body make better visibility and withstand the harshest climate conditions and dirt
- Front hardened glass protecting lenses against sand, wind and engine blast.
- Base material is stainless steel which has strong corrosion resistance, Shock and Vibrations protection
- Fragile coupling reduce the secondary damage to helicopters effectively
- Easy site adjustment by using an inclinometer (precision 1 minute).
- Design ensures water-tightness and protection against corrosion.
- Easy maintenance: replacement of main elements (lamps, front glass, filters or reflectors) does not require either unit adjustment or any special tools.
- Very easy access to all components by removing the cover.
- Infrared LED for pilot using NVG(Night Vision Goggles)
- Dust proof LHA is standard. Enhances lamp life, improves photometric performance and reduces maintenance cost.
- No optical bench or special tools required for servicing. Special access doors speed lamp changes in the field.
- Controller for power supplying and turn ON/OFF light
- VHF pilot to ground remote control
- Stainless steel Fasteners



Specifications

Item		ZS500
Light Characteristics	Light Source	Ultra high intensity LED
	Available Colors	White;Green or Red
	Working mode	Steady burning
	Operation Mode	24 hours operation
	LED Life Experience(hours)	>100,000 hours
Electrical Characteristics	Operating Voltage	110VAC, 220VAC, 48VDC, 24VDC or others
	Power(W)	50W
Physical Characteristics	Body Material	Powder coated Die-casting Aluminum
	Leg Material	Die casting aluminum
	Installation size(mm)	140x M10
	Dimension(mm)	520x184x455
	Weight(kg)	10
	Product Life Expectancy	≥10years
Environmental Factors	Ambient Temperature	-35℃~80℃
	Humidity	0~95%
	Wind Speed	80m/s
	Waterproof	IP65
Compliance	ICAO	ICAO, Annex 14th, Volume I, 6th Edition dated 2013,AO Annex 14 Volume II –Figure 5-11 2013, clauses 5.3.5.28 – 5.3.5.40, Figure A2-23 Appendix 1, 2.1.1
	Options Available	Marine Treated VHF pilot to ground remote control Infrared LED compatible for NVG (Night Vision Goggles)



Mounting dimension(mm)

Installation and operation:

- ①Secure the light on a smooth surface which has enough strength
- ②When installation, please stay away the nearby light source, at the same time, ensure the photocell do not cover by the near object.
- ③Make sure the power supply can match the rated power of light before connecting.
- ④According to the mark on the wiring label of the lamp lead wire, connect the power cable and the alarm wire correctly. Please pay attention to the polarity of the positive and negative poles for the DC voltage.
- ⑤Connect the cable on the light to the AC Power.
- ⑥ Power on and then the light start to work

Precautions:

- Ensure that the power connection part is correct before using.
- Temperature rise when light working is normal phenomenon.
- The part of material of products is PC(like lamp cover and lamp shell), so it cannot direct or indirect touch the organic solvent, such as industrial alcohol, banana oil, isotropic alcohol, carbon tetra chloride, cyclohexanone and so on, otherwise, the product will be corrosion.
- Please do not look light horizontally to protect your eyes while the light is working.
- Please make sure that the ambient temperature conditions should match this product. Otherwise, it will not work properly.
- This product is a sealed structure; Please do not be tampered with by anyone other than registered installer. Once found, we are not warranty

Application:

- Permanent, Temporary, Emergency Helipad/Heliport/Helideck
- OFFSHORE/ ONSHORE USAGE
- Military

Product Introduction

Lansing heliport system controller is designed to provide complete control of heliport lighting systems. Lighting control can be provided by low voltage DC or AC control signals. The controller activates the output by internal on/off switch, or with optional external on/off switch. The system is fully protected from input transients, output overload, over-voltage, anti-surge protection device and over-temperature conditions. The watertight SUS304 stainless steel compliant enclosure and lock provides protection from adverse weather and security from unauthorized access.

It can control multiplex lamps independently, and provide independent power leakage protecting function. Optional remote controller also available if required

Features

- The casing is made of SUS 304 stainless steel, which can withstand the harshest environments.
- Fully integrated control and power distribution system simplifies system setup and maintenance, reducing maintenance costs
- Both Low voltage DC or AC voltage available
- Simple operation: internal on/off power switch.
- With Surge protection, to protect all helipad lightings from strong lighting
- Output overload and over-voltage protection.
- Over-temperature shut-down protection.
- Wide operating temperature range: -40°C to + 55°C.
- Other options customized.
- Compatible with TLOF, FATO, AIMING, APPROACH and BEACON



Compliance with

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

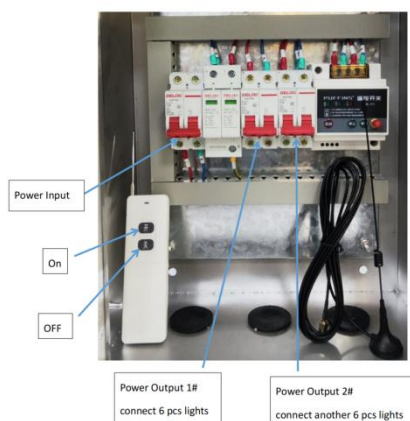


Specifications

Item		LS-VSR
POWER SUPPLY	Operating voltage	12VDC, 48VDC, 110VAC,
	Power Consumption	5W
OPERATION	Maximum Load	5KW
	Control capacity	Customized
	Control mode	Switch on or off terminal devices alone or all devices with one click
	Surge device	Overload and over-voltage protection
	Wireless Remote	Optional
MECHANICAL STRUCTURE	Product Life Expectancy	Average 5 years
	Number of Light output	10 way
	Ambient Temperature	-40℃ ~ +55℃
	Humidity	0~95%
	Wind Speed	80m/s
	Install	Wall-mounted
	Material	Stainless steel 304
	IP Standard	IP66
	Overall size(mm)	400 * 300 * 180mm

Operation

- ① Take off the red cap in yellow marking on the board, and screw the antenna cable to this yellow marking position.
- ② Put the antenna on the top of the control box after connecting it to the control box.
- ③ Connect the lights to the control box(power output 1 or Power output 2).
- ④ Connect the control box to power supply
- ⑤ Power on, then the control box start to work.



Product Introduction

Heliport Radio Controller is designed to provide complete control of heliport lighting systems. Lighting control can be provided by low voltage DC or AC power. The output of the controller can be activated manually by internal switches, or VHF radio control. The system is fully protected from input transients, output overload, over-voltage, and over-temperature conditions. The watertight Metal or stainless steel enclosure provides protection from adverse weather conditions. The Lansing Radio Controller is designed to provide pilots direct, unassisted air-to-ground control of power circuits. Pilots activate lights from the air with key clicks from a VHF AM aircraft band(118-137 MHZ) radio. The controller uses a high precision radio to prevent false triggering

This product is suitable for surface helicopter aprons, elevated helicopter aprons, ship helicopter aprons, deck aprons, portable aprons, small general-purpose airports, etc.

Features

- The casing is made of cold rolled steel or SUS 304 stainless steel, which can withstand the harshest environments.
- The field programmable frequency is between 118 and 137MHz (in 25KHz increments) and the industry default is 128.00MHz.
- Both Low voltage DC or AC voltage available
- The system may be set to respond to 3 clicks (default setting: 5 clicks).
- Adjustable activation duration (user programmable 15, 30, and 60 minutes) (permanent memory: last time duration).
- Ability to control the system operation by various means: on/off switch, photocell, and radio control.
- Input transient protection.
- Output overload and over-voltage protection.
- With Surge protection, to protect all helipad lightings from strong lighting
- With external remote antenna.
- Over-temperature shut-down protection.
- Fully integrated control and power distribution system simplifies system setup and maintenance.
- Radio Controllers save power and extend fixture lamp life by only activating the lights when needed.
- Light Intensity Control by using a potentiometer, the brightness levels can be set among 10%, 30% or 100%
- Simple operation: internal on/off power switch.
- Wide operating temperature range: -10°C to +55°C.



Specifications

Item		LS-VHF
POWER SUPPLY	Voltage	110-240VAC (Other Voltage can be customized)
	Power consumption	≤30W
OPERATION	Acceptance frequency	118-136MHZ (The default factory setting is 128.00MHz.)
	Transmit frequency	137-174/400-470MHZ
MECHANICAL STRUCTURE	Overall size	600 × 400 × 1300 (mm)
	Ambient temperature	-40°C ~ 85°C
	Working humidity	0% ~ 95%
	Wind Speed	80m/s
	IP Ingress	IP65
	Material	Cold rolled steel or Stainless steel
	Product Life Expectancy	Average 5 years
OTHERS	Product weight	50kg
	Compliance standards	ICAO / CAAC / meets the requirements of FAA (advisory Circular AC150/5345-49) Type I and Type A.
	Precautions	Do not press the microphone call button when the antenna is not connected!



▶ Helicopter radio controller option:

Dimming options:

The dimming radio controller allows pilots to control the light to click on the VHF aircraft frequency band of their microphone. Pilots can reduce glare and adjust system brightness.

By selecting the intensity from high (2 clicks), medium (3 clicks) or low (4 clicks), it provides 100%, 30% or 10% output when they approach the heliport. This dimming function needs to be used in conjunction with a dimming controller, and the navigation aid needs to be a dimming light. Equipped with an external contactor (20 ampere) with a load capacity of 2000W. If a capacity exceeding 2000W is required, the radio controller needs to expand the capacity to (45 amps) of contactors.

▶ Tercom use:

Prerequisite:

The frequency of the walkie-talkie must be set to be consistent with the frequency of the receiver. When the pilot uses the walkie-talkie to control the cabinet, It takes 2 consecutive presses within 2 seconds to activate the obstruction lights, boundary lights, floodlights, beacons, weather vanes, and anemometers of the cabinet at the same time; If the lamp supports dimming function (485 mode), the brightness of the lamp is output at 100% by pressing twice continuously, and the brightness of the lamp is output at 30% by pressing three times continuously, and the brightness of the lamp is output by 10. % Output. The system can also permanently memorize the power off and default the last luminosity ratio.

Precautions:

After pressing an operation on the tercom, there should be more than 3 seconds in between, then the next operation is required, otherwise the operation has no response.

▶ Installation:

- ① Before wiring, make sure that the power supply voltage is the same as the controller voltage.
- ② After connecting the wires, check that the wires are correct before turning on the power.

Precautions:

- It is strictly forbidden to use a power supply voltage other than the nominal, otherwise it will damage the equipment;
- When the equipment fails, please do not disassemble it by yourself, so as to avoid personal injury caused by internal high voltage;
- Non-professionals are not allowed to repair the equipment to avoid expanding the fault and causing personal injury.



Product Introduction

In-pavement, All-around, blue

Light source: LED

EPS emergency power supply system is specially designed for emergency power supply of apron navigation lighting equipment. It can automatically continue to supply power to the lights in case of power failure in the parking apron to ensure the smooth operation of the lights and ensure flight safety.

Features

- During emergency power supply, sine wave output has the advantages of stability, frequency stability and noiseless
- LED, LCD display, clear at a glance
- Adopt single-chip microcomputer control to ensure the stability of each action point
- Long service life, the main engine life is more than 15 years, the battery is maintenance-free and can be recycled for 300-500 times
- Automatic switching, unattended
- Automatic switching of two-way power supply, high reliability
- Simple design, convenient construction and high cost performance
- Keep the illuminance of lamps stable, reliable and convenient for maintenance

Product specification:

0.5、1、1.5、2、3、4、5、6、7、8、9KV etc.

Standby time:

According to the design requirements, 30 min, 60 min,90min, 120min,150min and 180min can be selected.

Specification:

Model	ZS550
Voltage	AC220V
Output power consumption	0.5-10KV
Battery type	Valve regulated maintenance-free lead-acid battery
Nominal battery voltage	24V/48V/96VDC/192VDC
Operating ambient temperature	-40℃~55℃
Switching time	<0.3s
Installation method	At landing
Protection function	Under voltage, over current, short circuit protection



