



Applications include:

Military Bases

Commercial Helipads

Emergency Response

Offshore Oil Platforms

Search and Rescue (SAR) Operations

HELIPAD LIGHTS

NVG compatible helipad lights are specially designed to be visible to pilots using night vision equipment. These lights emit specific wavelengths of light that are visible through NVGs while minimizing glare and preserving the pilot's night vision.

Available Helipad Lights:



5 Km IR Visibility (Hand Held)



20 Km IR Visibility (Dual Mode)



5 Km IR Visibility



10 Km IR Visibility (Round Yellow Light)

5 Km IR Visibility (Hand Held)



Handheld helipad lights serve a similar purpose to fixed helipad lights but are portable and can be used by ground personnel to signal and guide helicopters during landing and takeoff operations. These lights are particularly useful in situations where a helipad may not have fixed lighting infrastructure or where additional guidance is required. Handheld helipad lights typically include powerful, portable lamps or LED lights with various signaling modes such as steady illumination, flashing, or different colors to convey different messages to pilots.

These lights are an essential safety tool, especially in remote or emergency situations where helicopters need to land quickly and safely without the benefit of fixed lighting systems.

TECHNICAL SPECIFICATIONS:

- Weight (with batteries) :** 110 grams
- Colour :** Blackish / Military Black Green
- Batteries required :** 2 AA batteries (Chargeable / Alkaline)
- Battery Charger :** Available (optional in case of rechargeable battery)
- Operational Life (under single charge) :** Strobe: 8 hours minimum,
- Light Output :** 250,000 peak lumens per flash
- Flash Rate :** 50 ± 10 per minute
- Light Dispersion :** Omni directional
- Visibility :** six (6) miles (9.6 km) on a clear, dark night
- Activation :** Large sliding spark proof magnetic reed switch
- Standards :** Compliant to MIL-L-38217D and CID A-A-59176

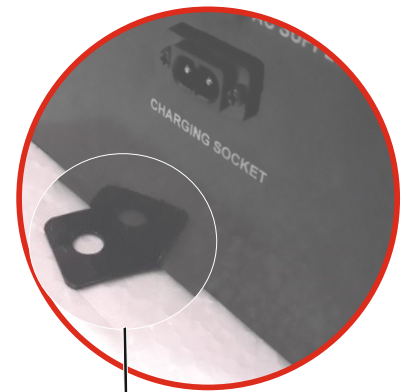
GENERAL FEATURE:

- IR filter blocks all visible light (lets through only IR light) for Night Vision Goggle (NVG) viewing
- FAA-approved strobe visible at a distance of 6 miles (9.6 km)
- Operates on 2 standard alkaline AA batteries, (with option of re-chargeable / non chargeable)
- Shielded filter alerts friendly forces, distinguishes strobe from ground fire when in place
- Attached infrared (IR) filter for Night Vision Goggle (NVG) viewing
- Felt liner on inside of light guard sleeve prevents overt light leakage during IR mode
- Directional, shielded blue filter alerts friendly forces; identifies strobe from ground fire
- Improved electronics and silicone conformal coating protect against moisture
- Omnidirectional white strobe emits brilliant 250,000 peak lumens
- Raised polarity indicators allow correct battery placement even when visibility is low

20 Km IR Visibility (Dual Mode)

The equipment is simple to operate, easy to handle, sturdy, based on advanced micro-processor digitally controlled technology , which provides field advantage of using light in Infrared Mode / Visible mode as desired.

It's versatile , portable and offers advantages like IR/ visible glow mode, constant glow / flashing ,full glow / dimmer options, etc enabling high level of flexibility and adaptability as per requirement of the field.



Compact & portable , easy to carry , Easy to use, Easy to operate simple operations , Heavy duty shatter proof glass , Weather resistant powder coated heavy duty steel body , rain proof , All weather usable (- 20 deg c to 75 deg C)

Reflector: Omni-directional

Light: Dual Mode (a) Emits only Infra red rays (above 800 nMh) (b) Visible Light mode .

Easy switching from one mode to another by toggle switch.

Infrared Light (IR Light): Infrared Light , not visible to naked eyes, visible only from Night Vision Device (NVD) / Night Vision Goggles (NVG) of any generation . Beam radius in all directions is 20 kms (depending upon quality of Night vision equipment) .

Visible Mode: Visible to naked eyes & night vision , upto distance of 10 kms beam radius. Light beam is constant through out the operations. . It does get effected by battery voltage / status

Dimmer: Yes, facility to dim the light intensity , available for in both Infrared mode and Visible mode.

Flashing: Yes, facility to operate the lights in flashing mode/ constant glow mode, available for in both Infrared mode and Visible mode.

Single charge operation time:

Infrared Mode: Continious glow mode , full intensity glow : 100 minutes +

Infrared Mode: Flashing glow mode , full intensity glow : 180 minutes +

Infrared Mode: Continious glow mode , 50% intensity glow : 200 minutes +

Visible Mode: Continious glow mode , full intensity glow : 500 minutes +

Visible Mode: Flashing glow mode , full intensity glow : 800 minutes +

Visible Mode : Continious glow mode , 50% intensity glow : 1000 minutes +

Anchoring: 2 side Anchoring pins slots makes the product compatible to such air pressures . Light Weight but stable equipment , hence easily withstands all air pressures without anchoring also.

Battery: 2 X 12V7 Ah rechargeable Lead Acid Sealed Maintenance Free (cycle life 500 chargings +)

Battery Charger: Inbuilt universal SMPS Battery charger, 90-240 V, 50 Hz , single phase AC .

Charging time : 6 hours. It has advanced microprocessor circuitry to prevent Batteries from over-charging, reverse polarity etc . Inbuilt protection for overcharging, deep discharge etc. The circuit will automatically cut off.

LED: LED indication for (a) system on (b) IR on (c) Low battery (d) Charging

Application: Mobile helipads, portable helipads, Emergency landing lights for helicopters / aviation, creating landing field in enemies territory / field, night covert operations, special operation

Due to ongoing R&D & product improvization, specifications , pictures & features of the product are subject to change without any notice .

5 Km IR Visibility

The equipment is simple to operate, easy to handle, sturdy, based on advanced micro-processor digitally controlled technology which provides superior high quality NVG compatible Infra Red Flashing Light.

It's versatile , portable product providing a high level of efficiency & flexibility as per requirement of the security officer.

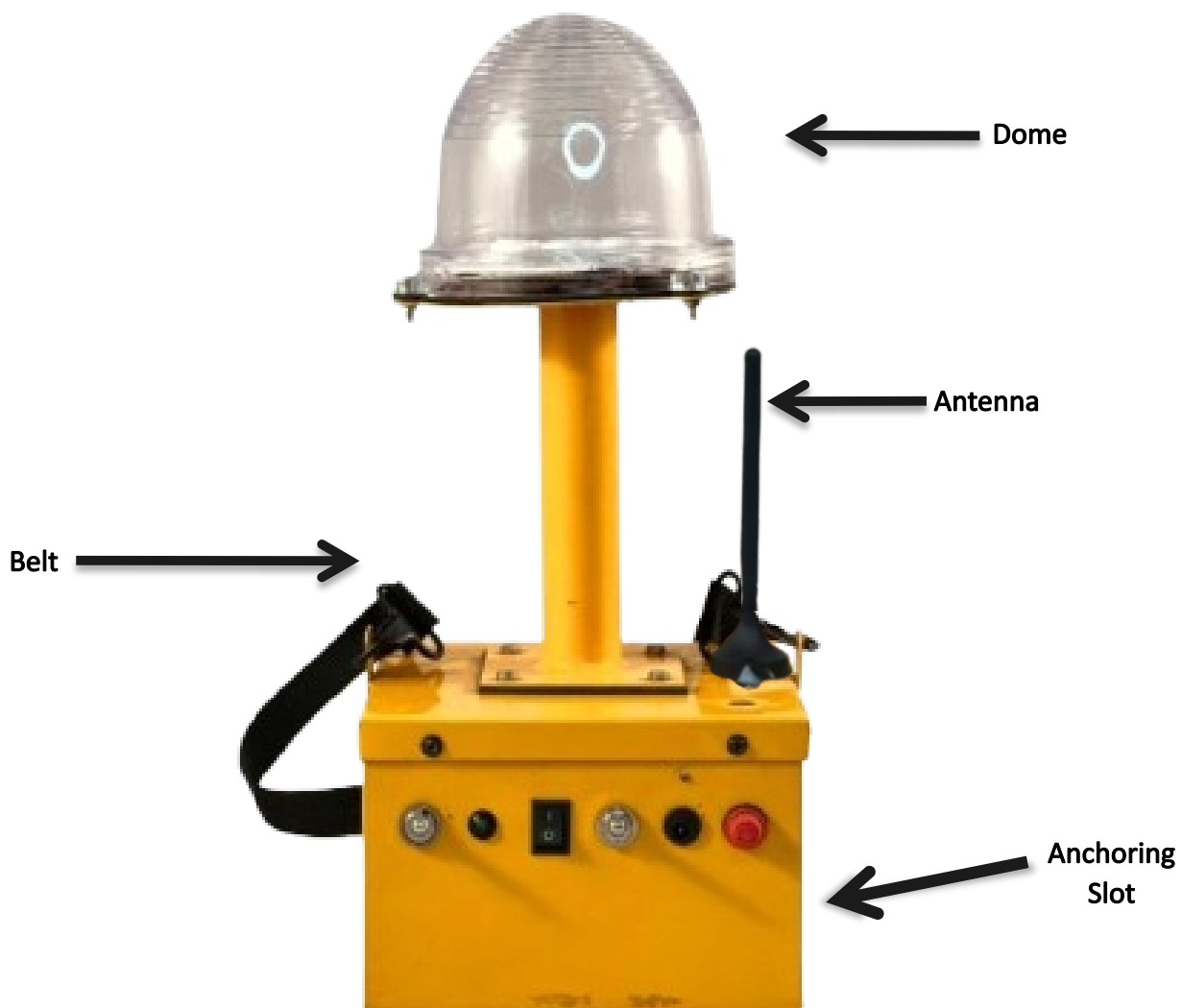
The equipment has an enlarged vision field because of its omni directional reflector and placement of bulbs through which the light can be viewed from a distance of more than 20 km in any radius.Hence the total light coverage area becomes 40 km by diameter.

The high bright yet energy efficient consumes just 730 mA of power to run for almost 44 hours of flashing mode.

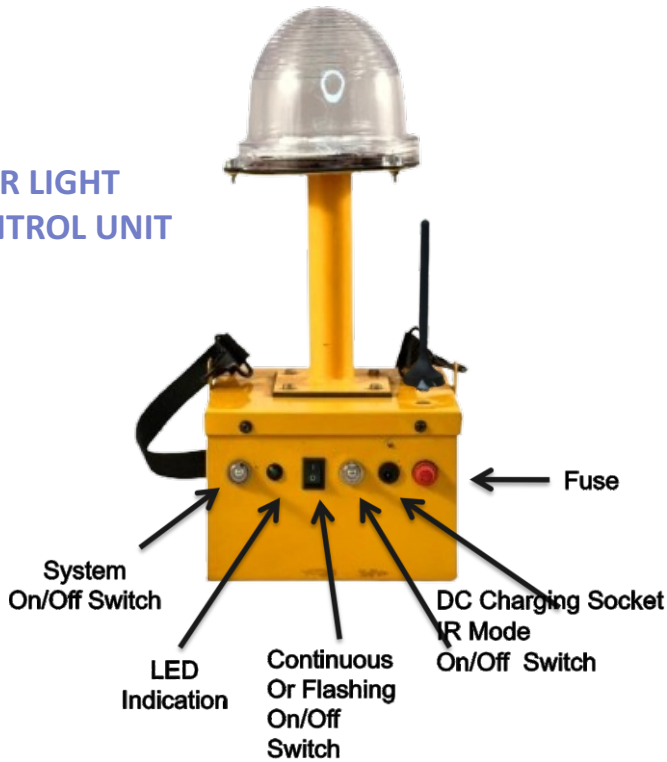
The NVG Compatible light system consists of the following items:

- NVG Compatible Light
- Battery Charger

NVG COMPATIBLE LIGHT



IR LIGHT CONTROL UNIT



IR LIGHT DOME



BATTERY CHARGER



General: Compact & Portable, Easy to carry, Easy to use, Easy to operate simple operations, Heavy duty shatter proof glass, Weather resistant powder coated heavy duty steel body, rain proof, All weather usable (-20 deg C to 75 deg C)

Reflector: Omni-directional for both I R & Visible Light.

Infrared Light (IR Light) : Infrared Light , not visible to naked eyes, visible only from Night Vision Device (NVD) / Night Vision Goggles (NVG) of any generation. Beam radius in all directions is 5 kms (Depending upon quality of Night vision equipment).

Visible Mode: Visible to naked eyes & night vision, upto distance of 10 kms beam radius.

Light beam is constant through out the operations. It does not get affected by battery voltage / status.

Flashing: Facility to operate the lights in flashing mode/ constant glow mode, available for in both Infrared mode and Visible mode.

Anchoring: 2 side Anchoring slots makes the product compatible to such air pressures.

Light Weight but stable equipment, hence easily withstands all air pressures without anchoring also.

External Battery Charger: AC Battery charger for 170 to 240V, 50 Hz, single phase.

10 Km IR Visibility (Round Yellow Light)

The equipment is simple to operate, easy to handle, sturdy, based on advanced micro-processor digitally controlled technology which provides superior high quality NVG compatible Infra Red Flashing Light.

It's versatile , portable product providing a high level of efficiency & flexibility as per requirement of the security officer.

The equipment has an enlarged vision field because of its omni directional reflector and placement of bulbs through which the light can be viewed from a distance of more than 20 km in any radius.Hence the total light coverage area becomes 40 km by diameter.

The high bright yet energy efficient consumes just 730 mA of power to run for almost 44 hours of flashing mode.

The NVG Compatible light system consists of the following items:

- NVG Compatible Light
- Battery Charger



General: Compact & Portable, Easy to carry, Easy to use, Easy to operate simple operations, Heavy duty shatter proof glass, Weather resistant powder coated heavy duty steel body, rain proof, All weather usable (-20 deg C to 75 deg C)

Reflector: Omni-directional for both I R & Visible Light.

Infrared Light (IR Light) : Infrared Light , not visible to naked eyes, visible only from Night Vision Device (NVD) / Night Vision Goggles (NVG) of any generation. Beam radius in all directions is 5 kms (Depending upon quality of Night vision equipment).

Visible Mode: Visible to naked eyes & night vision, upto distance of 10 kms beam radius.

Light beam is constant through out the operations. It does get effected by battery voltage / status.

Flashing: Facility to operate the lights in flashing mode/ constant glow mode, available for in both Infrared mode and Visible mode.

Anchoring: 2 side Anchoring slots makes the product compatible to such air pressures.

Light Weight but stable equipment, hence easily withstands all air pressures without anchoring also.

External Battery Charger: AC Battery charger for 170 to 240V, 50 Hz, single phase. Directions is 20 kms.

Quality Control Certifications



Product Features



Lotus Defence & Aerospace Technologies Pvt Ltd.

Mkt office : 1059 Industrial Area, Phase-2 Chandigarh- 160002 India

Tel/Whatsapp : 9915381500, 9316040085 , 9316040485

Tel : 0172-2652002, 5075175

Email : sales@lotusdefence.com, sales@securityequipments.com

Website: www.lotusdefence.com, www.securityequipments.com

A 1989 TECHNOCRAT ESTABLISHED COMPANY