

HEMS-STAR® PORTABLE TACTICAL AIRFIELD LIGHTING SYSTEM WITH NVG COMPATIBLE IR

HP0678



HEMS-Star® rechargeable battery powered LED helipad lighting system designed for rapid deployment and use by first responders to setup in temporary areas for emergency situations.

Our portable lighting systems are used by The United Nations peacekeeping mission in Mali, The Philippine Navy, The Bangladeshi Army, and The Mexican Navy. Deployed on a global scale in the United Kingdom, the USA, Russia, Bangladesh, Mozambique, Kenya, Mexico, Mali, The Philippines and Japan.

HEMS-Star® is rechargeable in its case via mains at 100-240V AC, vehicles at 13.5-28VDC, solar or wind power. Run Time Steady - Up to 18 hours. Run Time Flashing - Up to 108 hours. Recharging Time - fully exhausted to fully charged in 3.5 hours.

TECHNICAL DETAILS

APPLICATION:

Effective marking of helicopter landing zones that can be identified at night from distances up to 10 Miles

PORTABLE:

Lightweight (23lbs)

VERSATILE:

Red, blue, green, white visible LED's and infra-red to support pilots wearing Night Vision Goggles (NVG's)

MULTI-FUNCTION:

Programmable to flash warning, location beacon or Morse Code with automatic sunset switching

PILOT CONTROL:

Wireless via VHF operational at a line of sight ranges in excess of 3 miles

STABILITY:

Stable under the rotor wash of a Chinook

AVAILABILITY:

Available in cases of 5,6,7 or 8 units

WARRANTY:

2-year limited warranty



WORLD HEADQUARTERS
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AIR TO GROUND CONTROL:

HEMS-Star® is IP65 rated and fitted with rubber soled stainless steel base for stability. Successfully tested at the Sikorsky Development Flight Center (DFC) in Florida for stability under the full rotor wash of a Chinook.

HEMS-Star® achieved FCC certification for operation in the US, and CE certification for the European Union.

DIMENSIONAL DATA:

Complete System in Carry Case:

Length: 13.38in / Width: 16.7in / Height: 6.81in
Weight: 23lbs

Single Light Unit:

Length: 3.25in / Width: 3.25in / Height: 2.56in
Weight 1.6lbs

Run Time in Steady Mode

Up to 18 hours*

Run Time in Flashing Mode

Up to 108 hours**

Recharging Time

Mains PSU is capable of charging 8 lights from fully exhausted to fully charged in about 3.5 hours.

**When programmed to steady on showing white @ 20% intensity level.*

*** When programmed to Identification Beacon Single Flash (showing white).*

ADDITIONAL HEMS-STAR® FEATURES:

Colors + IR (Dual Mode)

Where pilots require both visible light and infra-red lights in the pattern they can either use normal vision or augmentation through the use of Night Vision Goggles (NVG). Any color + IR can be selected for Dual Mode.

LEVELS (BRIGHTNESS):

The LED output Level is set to 20%, 40%, 60%, 80% or 100% of maximum output level. In Dual mode the ratio of the IR level to the visible LED level can be set at 10%, 20%, 30%, 40% and 50% of the output level of the visible LEDs. Note that as this is a ratio, as the level of the visible LEDs is changed, the IR level tracks it at the desired ratio.