

TECHNICAL SPECIFICATIONS & OPERATING
PORTABLE IR NVG HELIPAD LIGHTS

Model no. : NVG Helipad Light M1

Full capability NVG lights are based on LED technology. It consists of cluster of ultra-POWER IR LEDs and Visible LEDs with specially designed optic & Li-ion battery and charger unit. The lamp is free standing type and can be grouted or bolted for permanent installations, depending upon the application. Its aerodynamic design provides the required stability to avoid toppling due to downwash. Tested for Wind Speed of 60 KMPH (Certificate can be provided)

Operation

It has two Operating Switches and Battery charging indicator. One operating switch, having 3 positions, W-OFF -IR, When Operating Switch is turned 'to IR Position, the IR LED produce IR beam of 80 Degrees. When the witch is turned to W position, visible light of WHITE colour (620 –630Nm) is produced. The other operating switch selects the mode of operation, Flashing or Steady. The unit remains OFF when the operating switch is kept at central position, OFF position. Red indication on the lamp housing indicates low battery cut off. When battery is discharged, this indicator glows.If the battery is fully charged, the lamp is expected to glow for upto 09 hrs in operational mode (IR Flashing Mode). It takes 06 Hrs. to recharge the battery from LO. Batt to Bat. Full. Auto cut off ckt. in the lamp, automatically disconnects the battery to avoid deep drawing and affecting the life of the battery. Once the Bat. Low appears the unit should be charged immediately byusing charger unit provided with the lamp.

*The charger requires 230V (± 15%), 50 Hz supply. It has in built, over voltage, over current and short ckt protection.

Source of Light	Cluster of POWER IR & Visible White LEDs with specially designed optics
Enclosure	Dust water tight enclosure made from Cold rolled steel & coated with corrosion resistant PU coat in Aviation Yellow colorwith UV stabilised PC cover.
Spectrum of Light	IR 830 – 940 Nm White – 630 Nm
Mode of operation	Steady/Flashing
Operating Voltage	12 V DC
Battery	11.1V, Rechargeable, Li-ion Life :- 1 year
Visibility	6 Km.in straight direction at night time
Intensity at Lens surface	500mw / Sr. Integrated over 360 Degrees

DEFTECH & GREENINDIA PVT LTD

HO: 12 Anirudh Apartments, Nagaur Road, Phalodi,Jodhpur (Raj), PIN:342301

BO: Aidan Bhavan, Plot 32, First Polo, Paota, Jodhpur (Raj) PIN:342006

info@dgpl.online, Mbl: 94140 23433/ 97994 70909

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Charger Unit	I/P - 230V ($\pm 15\%$) ACO/P-8.4 V, 500 Ma
Smart Charger	Full charge indicator on charger
Weight of lamp unit	Light Weight for ease of Transport. Approx. 3.5 Kg. (Including Battery) Tested
IP Rating	IP 65 Protection for Dust and Water *NABL Accreditation Lab Certificate can be provided
Battery Backup	Upto 09 Hrs of certified Battery backup in operational Mode i.e IR Flashing Mode *NABL Certified
Anti- Topple	Certified for anti-topple in Helicopter- Downwash of 60 KMPH dynamic Wind speed (Certificate can be provided)
Carry Bag	Padded Dust and Water resistant Bag is provided for storage and Transport

All DGPL product have Warranty of 12 Months and promised Product service support of 5 Years.

Can be charged on Solar, Solar panel will be supplied upon request with additional Cost



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