

Indispensable aid to Night Patrolling and Surveillance

SUPER LIGHT



Tested by E.R.T.L. (Electronic Regional test Laboratory)

SUPER LIGHT - IV

Brilliant Beam illuminates target at 350 meters and over
Rugged Weather Resistant ABS Construction
Exclusive One Hand Operation
Internal SMPS Battery Charger for 90 to 270 Volt Operation

SUPER LIGHT - V

Same as above with choice of one additional programmed
feature - Timer, Dimmer or Flasher



**STATIC
SYSTEMS**

SUPER LIGHT-IV/SUPER LIGHT-V

SUPER LIGHT-IV and SUPER LIGHT-V are very powerful rechargeable cordless lamps capable of illuminating targets at a distance of 350 meters and over. They are designed for combat use under the most arduous conditions.

They are equipped with deep focus, sealed beam units rated at 55 Watts each. The bulbs are highly resistant to shock and vibration. Both have a built in CC/CV SMPS charger to optimally charge the sealed 12V/7AH battery at specified rating. All other features being similar, SUPER LIGHT-IV is without additional feature of Timer, Dimmer or Auto Flasher.

Salient Features

- Easy to carry with specially designed handle and shoulder strap to reduce fatigue.
- Operates continuously for over 60 minutes on self-contained, internally rechargeable, 12V/7AH sealed lead-acid battery.
- Built-in high-performance short circuit proof CC/CV(Constant Current/Constant Voltage) SMPS battery charger charges the battery from a line input of 90-270 volts while preventing the battery from overcharge by limiting both the battery current and voltage.
- Options for Direct, and choice of one factory-adjusted additional feature Timer, Dimmer or Auto Flasher .
- Low battery warning light at 11.0V indicates battery charging is required.
- Automatic low battery cut-off when battery discharges to 10.5V to prevent deep discharge.
- Spring loaded flash switch for signaling and reconnaissance.
- Flash switch bypasses the low battery cut-off to cope with emergency situations.

Technical Specifications

Shell and Fitting

Tubular, heavy duty moulded and seamless, 3mm thick, ABS construction. Strong contoured handle. Front cap with resting support to prevent rolling on any surface. Adjustable nylon shoulder strap.

Light Source

12Volt, 55Watt halogen lamp fitted in specially designed parabolic reflector with toughened glass dome having a very powerful beam which illuminates targets at 350 meters and over.

Control Circuit

Contemporary low power CMOS design with industrial grade components for high reliability and years of trouble free service. The built-in SMPS battery charger employs the world's most efficient switching components to reduce heat while providing protection against all abnormal conditions.

Operating Temperature

From -20° Centigrade to +50° Centigrade

Operation

Direct: For continuous operation up to 1 hour before batteries need to be charged.

Flash: Spring loaded switch for signaling and reconnaissance. The light switches off when switch is released to conserve battery life. The flash mode is operable during low battery cut off to cope with emergency situations.

SUPER LIGHT-V also has one of the following additional features that may be specified by the customer

- A) Timer - choice of 15 or 30 Seconds,
- B) Dim - at 50% light. The battery life is 2 hours in this mode.
- C) Automatic Flasher - 45 flashes/minute. The battery life is 2 hours in this mode.

Battery Charger

A very high quality switch mode battery charger which employs the world's most sophisticated and integrally safe switching devices is provided. The charger will work from a mains voltage of 90-270 Volts. The special CC/CV design is optimized to charge the battery at a constant current of 1 Amp $\pm 10\%$ while limiting the battery voltage to maximum 14.4Volts.

Charging Period

- 1) The minimum time required to fully charge the battery after the battery low indicator is lit is 8 hours and,
- 2) The minimum time required to fully charge the battery after the battery has cut off due to deep discharge is 10 hours.

Dimensions

Front Diameter : 160 mm.
Rear Diameter : 130 mm.
Length : 300 mm.

Weight

4.5 Kgs. with battery and strap

Due to our constant endeavor to improve our products, we reserve the right to change specifications without prior notice.



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