

— AMERICAN  MADE —

LECTRO SCIENCE, INC.

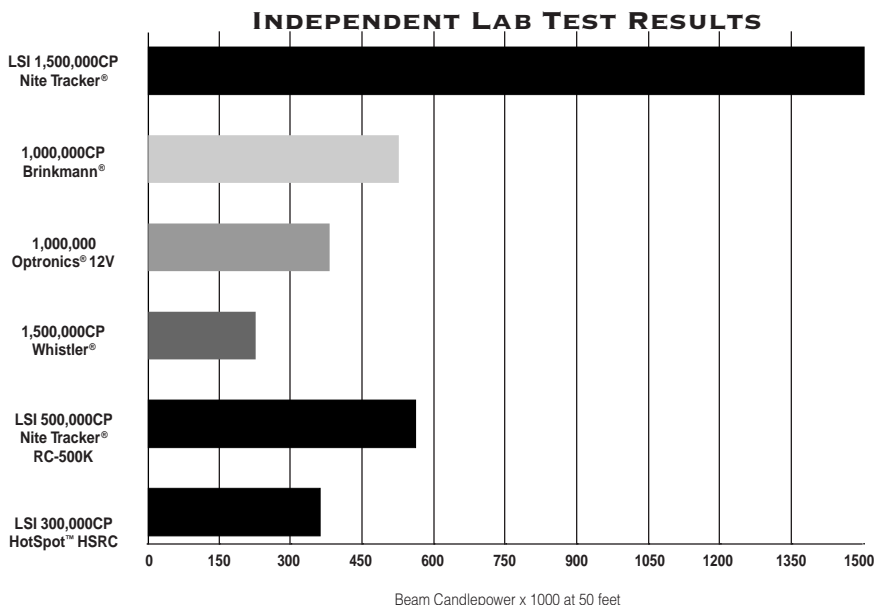
A FULL SPECTRUM OF LIGHTS

TECHNICAL DATA AND PRODUCT GUIDE



LS[®]
LECTRO SCIENCE, INC.

Beam Comparison of Cordless Rechargeable Spotlights



TESTING DONE BY PRODUCT SAFETY CONSULTING, INC.

Our measurements, taken at 50 feet from the light source, demonstrate the difference in the maximum available light on an object located 50 feet from the product. We measured the radius of the central illumination area, and the radius of the outer circle where the values had dropped to three footcandles. This gives a rough approximation of the distribution as a round distribution. This does not take into account the fact that several units had elliptical, Figure 8, or football type distribution. The candlepower was calculated assuming a constant distribution of the maximum value measured over the area of the center bright spot on a vertical wall 50 feet from the source.

LSI Spotlight Features and Design Advantages

1. **Proudly made in the USA.** The best customer service and strongest warranties available. Full factory service.
2. **Top Performance.** Independent lab tests confirm the stated performance of our products.
3. **Quartz Halogen Lamp.** Turn night into day, our lights are up to 30 times brighter than automobile headlights and the beam will carry over one mile.
4. **Quality Batteries.** LSI cordless spotlights and battery packs use a high quality sealed lead acid batteries.
5. **Computer Designed Parabolic Reflector.** LSI reflectors are compression molded to a tolerance of $\pm 0.0001"$. Lower quality units use a stamped metal reflector which varies dramatically in tolerance. As a result, the beam in a LSI spotlight is 10 times more focused than the competitors.
6. **Thermoplastic Housing.** High impact cases, will not rust or corrode.
7. **Protective Shield.** Reduces glare and helps protects Lexan® lens.
8. **Lexan® Lens.** Rugged and shatterproof.
9. **Trigger Guard.** An exclusive feature of LSI high performance spotlights. This protects the switch from damage or accidentally being turned on, and draining the battery.
10. **Trigger Switch with Lock-on/Lock-off Feature.** Instant light when you need it. Trigger also provides for signaling.
11. **Advanced Pistol Grip Design.** Optimum balance and comfort



The shape and appearance of the Nite Trackers®, NiteGuards® and HotSpots® are registered trademarks of Lectro Science Inc.

SR-2000, 2005, 2010

PROFESSIONAL GRADE, TOTALLY PORTABLE, CORDLESS, RECHARGEABLE, SEARCH AND RESCUE, HALOGEN/XENON LANTERN NITE TRACKER S/R®

GENERAL FEATURES

Designed to operate **only from its internal battery system**. Although the SR Series can be **recharged** from AC and DC sources, it is **not designed to operate directly from AC sources**.

The life expectancy of the battery is 100 cycles if completely discharged after each use. 200 to 400 cycles can be reached if only partially discharged on a regular basis.

Totally portable, cordless operation

Quick charging base (AC and/or DC direct)

Beam ranges up to 1 mile

Long-lasting, super-bright Halogen/Xenon bulbs

Adjustable, padded and heavy duty shoulder strap

Reflective labels on 3 sides

Unbreakable Lexan® lens virtually indestructible housing

Weatherproof housing and switches

Multi-position stand

Rubberized, non-slip, oversized handle and protective bezel

Sealed, maintenance-free battery system

The Nite Tracker® S/R® series uses a 6-volt sealed lead acid rechargeable battery pack (Model 6V10P)

Made in U.S.A.

SR-2000 OPERATING INFORMATION

A fully charged battery will provide approximately 3.5 hours of operating time.

Continuous usage is not recommended it will decrease operating time. Intermittent usage will increase operating time.

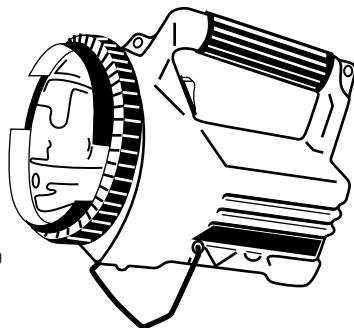
SR-2000 GENERAL INFORMATION

The SR-2000 uses a 6 volt halogen/xenon bulb (Model SR-2000-09) Technical data on the bulb is: 6 volts, 3.3 amps, 20 watts. Average life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

Weight in box with charger: 9lbs 4oz.

Weight, light only: 5 lbs 6oz.

SR-2000
500,000 CP



SR-2005 OPERATING INFORMATION

A fully charged battery will provide approximately 8 hours of operating time. Continuous usage is not recommended it will decrease operating time. Intermittent usage will increase operating time.

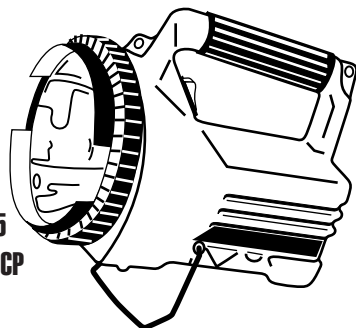
SR-2005 GENERAL INFORMATION

The SR-2005 uses a 6 volt halogen/xenon bulb (Model 2005-09) Technical data on the bulb is: 6 volts, 1.7 amps, 10 watts. Average life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

Weight in box with charger: 9lbs 4oz.

Weight, light only: 5lbs 6oz.

SR-2005
150,000 CP



SR-2010 OPERATING INFORMATION

The SR-2010 with 3-position high/low/flash rocker switch with separate on/off button will operate up to 8 hours on high (150,000 CP), up to 12 hours on low (50,000 CP) and 15 hours on flashing. Continuous usage is not recommended it will decrease operating time. Intermittent usage will increase operating time.

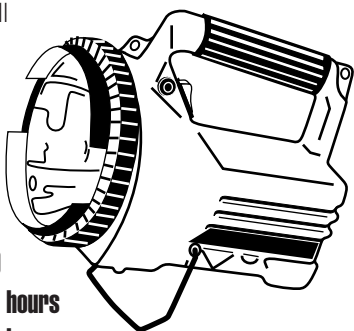
SR-2010 GENERAL INFORMATION

The SR-2010 uses a 6 volt halogen/xenon bulb (Model 2010-09) Technical data on the bulb is: 6 volts, 1.7 amps, 10 watts. Average life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

Weight in box with charger: 9lbs 4oz.

Weight, light only: 5lbs 6 oz.

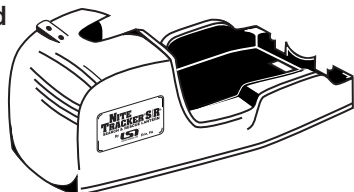
SR-2010
50,000 CP 12 hours
150,000 CP 8 hours
FLASHING 15 hours



NITE TRACKER® S/R® CHARGING STATION

This fully regulated Charging Station with solid state circuitry is available in two models. The heavy duty model will fully recharge the Nite Tracker S/R in 6 to 8 hours from AC or DC sources. The standard model will recharge the Nite Tracker S/R in 18 hours or less. Both chargers are available in 110 volt or 220 volt AC, 12 volt or 24 volt DC. The Charging Station maintains optimal battery efficiency and a properly charged lantern ready for immediate use. Always make certain that proper input polarity is observed. Outlet must have negative ground. **Reversed input polarity may damage the unit.** Most factory installed cigarette lighter outlets have negative ground.

Length: 12.2" Width: 7" Height: 6.8" Weight: 1lb



RC-3800

2,000,000 CP HYPER HALOGEN, CORDLESS, RECHARGEABLE NITE TRACKER® SPOTLIGHT

OPERATING INFORMATION

The RC-3800 is designed to operate from its internal battery system. Although the RC-3800 can be **recharged** from AC and DC sources, it is **not designed to operate directly from AC sources.**

The RC-3800 **will operate directly from 12 volt DC sources**, such as your car, truck, RV or boat, using the detachable 12 volt cord.

RECHARGING INFORMATION

Battery life and number of charges per lifetime depend on individual levels of discharge per use. The RC-3800 contains two (2) rechargeable batteries.

Life expectancy of the batteries is 100 cycles if completely discharged after each use. 200 to 400 cycles can be reached if only partially discharged on a regular basis.

On full charge, the battery will provide approximately 15 to 20 minutes of continuous operating time per cycle. In other words, it will provide approximately 15 to 20 minutes of continuous light.

The RC-3800 is designed for intermittent use. To recharge the battery (after complete discharge) requires 8 to 10 hours on AC current or 2 to 4 hours on DC current.

Do not leave spotlight on charge for more than 20 days. Fluctuation in line voltage may occur. Extended charging will decrease battery life.

The RC-3800 uses a 12 volt rechargeable battery pack. (Model 12V2.4P)

GENERAL INFORMATION

The RC-3800 uses a 12 volt hyper halogen bulb (Model HH455). Technical data on the bulb is: 12 volts, 8 amps, 100 watts. Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

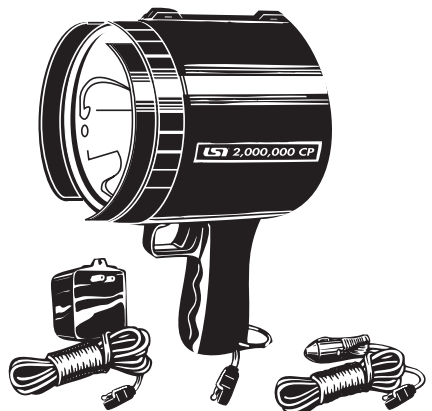
The reflector is thermoset phenolic.
Housing is Polypropylene.

To replace the batteries simply unscrew the housing halves, slip off the terminals from the batteries, slip in the new battery pack and screw the housing back together.

Made in U.S.A.

Weight in box with chargers: 5lbs 3oz.

Weight, light only: 3lbs 12oz.



RC-1600

1,500,000 CP NITE TRACKER® CORDLESS, RECHARGEABLE SPOTLIGHT

OPERATING INFORMATION

The RC-1600 is designed to operate from its internal battery system. Although the RC-1600 can be **recharged** from AC and DC sources, it is **not designed to operate directly from AC sources.**

The RC-1600 **will operate directly from 12 volt DC sources,** such as your car, truck, RV or boat, using the detachable 12 volt cord.

RECHARGING INFORMATION

Battery life and number of charges per lifetime depend on individual levels of discharge per use. The RC-1600 contains a 12 volt rechargeable battery pack.

Life expectancy of the batteries is 100 cycles if completely discharged after each use. 200 to 400 cycles can be reached if only partially discharged on a regular basis.

On full charge, the battery will provide approximately 15 to 20 minutes of continuous operating time per cycle. In other words, it will provide approximately 15 to 20 minutes of continuous light.

The RC-1600 is designed for intermittent use. To recharge the battery (after complete discharge) requires 8 to 10 hours on AC current or 2 to 4 hours on DC current.

Do not leave spotlight on charge for more than 20 days. Fluctuation in line voltage may occur. Extended charging will decrease battery life.

The RC-1600 uses a 12 volt rechargeable battery pack. (Model 12V2.4 P)

GENERAL INFORMATION

The RC-1600 uses a 12 volt halogen bulb (Model 12455). Technical data on the bulb is: 12 volts, 8 amps, 100 watts. Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

The reflector is thermoset phenolic.

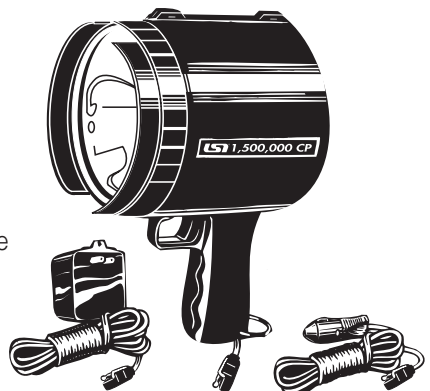
Housing is Polypropylene.

Weight in box with chargers: 5lbs 3oz.

Weight, light only: 3lbs 12oz.

To replace the batteries simply unscrew the housing halves, slip off the terminals from the batteries, slip in the new battery pack and screw the housing back together.

Made in U.S.A.



RC-1600

RC-1100N

1,000,000 CP NITE TRACKER® CORDLESS, RECHARGEABLE SPOTLIGHT

OPERATING INFORMATION

The RC-1100N is designed to operate from its internal battery system. Although the RC-1100N can be **recharged** from AC and DC sources, it is **not designed to operate directly from AC sources.**

The RC-1100N **will operate directly from 12 volt DC sources**, such as your car, truck, RV or boat, using the detachable 12 volt cord.

RECHARGING INFORMATION

Battery life and number of charges per lifetime depend on individual levels of discharge per use. The RC-1100N contains a 12 volt rechargeable battery pack.

Life expectancy of the batteries is 100 cycles if completely discharged after each use. 200 to 400 cycles can be reached if only partially discharged on a regular basis.

On full charge, the battery will provide approximately 30 to 40 minutes of continuous operating time per cycle. In other words, it will provide approximately 30 to 40 minutes of continuous light.

The RC-1100N is designed for intermittent use. To recharge the battery (after complete discharge) requires 8 to 10 hours on AC current or 2 to 4 hours on DC current.

Do not leave spotlight on charge for more than 20 days. Fluctuation in line voltage may occur. Extended charging will decrease battery life.

The RC-1100N uses a 12 volt rechargeable battery pack. (Model 12V2.4 P)

GENERAL INFORMATION

The RC-1100N uses a 12 volt halogen bulb (Model 12336). Technical data on the bulb is: 12 volts, 4.5 amps, 55 watts. Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

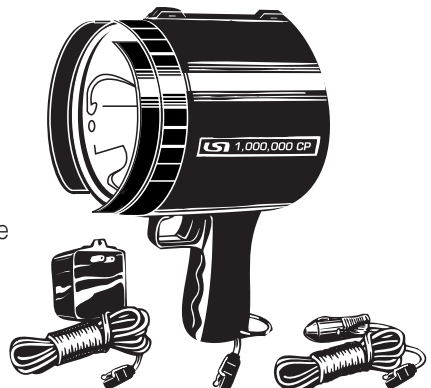
The reflector is thermoset phenolic. Housing is Polypropylene.

Weight in box with chargers: 5lbs 3oz.

Weight, light only: 3lbs 12oz.

To replace the batteries simply unscrew the housing halves, slip off the terminals from the batteries, slip in the new battery pack and screw the housing back together.

Made in U.S.A.



RC-1100N

RC-500K

500,000 CP NITE TRACKER® CORDLESS, RECHARGEABLE SPOTLIGHT

OPERATING INFORMATION

Battery life and the number of charges per lifetime depend on individual levels of discharge per use.

Life expectancy of the battery is 100 cycles if completely discharged after each use. 200 to 400 cycles can be reached if the spotlight is only partially discharged on a regular basis.

On full charge, the battery will provide approximately 20 to 25 minutes of continuous operating time per cycle.

The RC-500K is designed to operate only from its internal battery system. Although the RC-500K can be recharged from either AC or DC sources, it is **not** designed to operate directly from AC or DC sources.

The RC-500K is designed for intermittent use.

RECHARGING INFORMATION

To maintain optimal life of the battery, recharge the battery as soon as possible after each use. Deep discharge of the battery is not recommended as it decreases the life of the battery.

To recharge the battery after complete discharge requires 24 hours on AC current (110V or 220V), or 10 to 12 hours on the DC current.

The RC-500K draws 1/3 (one third) amp when recharging from a car battery. If the car engine is off, the effect is similar to leaving the interior light on.

Do not leave spotlight on charge for more than 20 days. Fluctuation in line voltage may occur. Extended charging will decrease battery life.

The battery used in the RC-500K is a 6-volt sealed lead acid rechargeable battery (Model LCR6V4P).

GENERAL INFORMATION

The RC-500K uses an H-3, 6 volt halogen bulb (Model 6336). Technical data on the bulb is: 6 volts, 9 amps, 55 watts. Life expectancy for the bulb is 100 hours and the beam angle is 7° horizontal and 5° vertical. Color temp is approximately 3000 KELVIN degrees.

Weight in box with chargers: 4lbs 3oz.

Weight, light only: 3lbs 4oz.

It is not recommended to use the RC-500K with the PP-100, as the wiring can be damaged.

By using the new QC-12, Quick Charger, the RC-500K can be recharged in about 4 hours on 12 volt charging systems. The RC-500K can remain in the Quick Charger indefinitely as it is a regulated system with automatic shut off, when batteries are fully charged.

To replace the battery, simply unscrew the housing halves, slip off the terminals from the battery, slip on to the new battery, and screw the housing back together.

Made in U.S.A.



RC-500K

RC-250

250,000 CP NITE TRACKER® CORDLESS, RECHARGEABLE SPOTLIGHT

OPERATING INFORMATION

Battery life and the number of charges per lifetime depend on individual levels of discharge per use.

Life expectancy of the battery is 100 cycles if completely discharged after each use. 200 to 400 cycles can be reached if the spotlight is only partially discharged on a regular basis.

On full charge, the battery will provide approximately 30 to 40 minutes of continuous operating time.

The RC-250 is designed to operate only from the internal battery system. Although the RC-250 can be recharged from either AC or DC sources, it is **not** designed to operate directly from AC or DC sources.

The RC-250 is designed for intermittent use.

RECHARGING INFORMATION

Recharging the battery (after complete discharge) requires 24 hours on AC current and 10 to 12 hours on DC current.

The RC-250 draws 1/3 (one third) amp when recharging from a car battery. If the car engine is off, the effect is similar to leaving the interior light on.

The RC-250 uses a 6 volt rechargeable battery (Model LCR6V4P).

Do not leave spotlight on charge for more than 20 days. Fluctuation in line voltage may occur. Extended charging will decrease battery life.

GENERAL INFORMATION

The RC-250 uses an H-3, 6 volt halogen bulb (Model 25336). Technical data on the bulb is 6 volts, 4 amps, 25 watts. Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical. Color temperature is approximately 2900 KELVIN degrees.

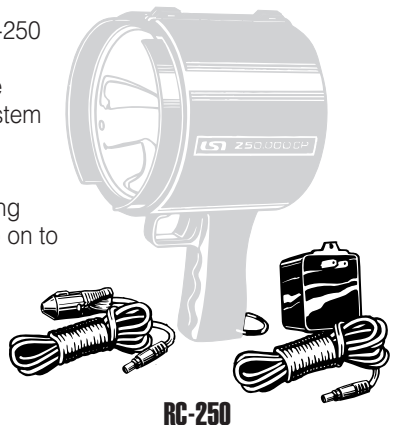
Weight in box with chargers: 4lbs 3oz.

Weight, light only: 3lbs 4oz.

By using the new QC-12, Quick Charger, the RC-250 can be recharged in about 4 hours on 12 volt charging systems. The RC-250 can remain in the Quick Charger indefinitely as it is a regulated system with automatic shut off, when batteries are fully charged.

To replace the battery, simply unscrew the housing halves, slip off the terminals from the battery, slip on to the new battery, and screw the housing back together.

Made in U.S.A.



XL-1800

2,000,000 CP HYPER HALOGEN NITE TRACKER® SPOTLIGHT

The Nite Tracker XL-1800 is the world's first 12 volt spotlight to use Hyper Halogen technology for the brightest crisp beam of light ever.

The XL-1800 will operate from any 12 volt source (car, boat, camper or truck). The computer designed parabolic reflector system creates an intense concentrated beam that turns night into day. Penetrates fog, mist and rain.

It has a unique lock-on/lock-off trigger switch that can also be used for signaling. The ten foot heavy duty cord lets you move the lights to where they are needed. The Nite Tracker XL-1800 also has a convenient hanging loop.

FEATURES

12 volt, 8 amps, 100 watts, Bulb #HH455

Beam Angle 7° horizontal and 5° vertical.

High intensity Hyper Halogen lamp

Protective shield around Lexan® lens

Advanced pistol grip design

Lock-on/lock-off trigger switch

Heavy duty 10-foot cord and plug

Works from any 12 volt source

Computer designed parabolic reflector

Impact resistant plastic housing

Built-in hanging loop for convenient storage

Tabs for optional shoulder strap (VB-802)

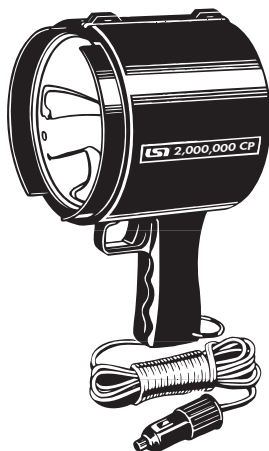
Mounting threads for optional swivel/tilt bases
(screw down base: SM-1, magnetic base: MM-2)

12 volt optional battery pack (RBP-1240, RBP-1270, RBP-12170)

Weight in box: 1lbs 12oz.

Weight, light only: 1lbs 3oz.

Made in U.S.A.



XL-1800

XL-1000

HIGH INTENSITY QUARTZ HALOGEN NITE TRACKER®

The Nite Tracker XL's pack a bolt of lightning into the world's most powerful Quartz Halogen hand-held spotlights. The XL-1000, with a 1,500,000 candle-power beam, more powerful than an aircraft landing light, is up to 20 times brighter than your automobile headlights and will carry over one mile.

The Nite Tracker XL's will operate from any 12 volt source (car, boat, camper or truck). The computer designed parabolic reflector system creates an intense concentrated beam that turns night into day. Penetrates fog, mist and rain.

They have a unique lock-on/lock-off trigger switch that can also be used for signaling. The ten foot heavy duty cord lets you move the lights to where they are needed. The Nite Tracker XL's also have a convenient hanging loop.

FEATURES

12 volt, 8.3 amps, 100 watts, Bulb #12455

Beam Angle 7° horizontal and 5° vertical.

High intensity Quartz Halogen lamp

Protective shield around Lexan® lens

Advanced pistol grip design

Lock-on/lock-off trigger switch

Heavy duty 10-foot cord and plug

Works from any 12 volt source

Computer designed parabolic reflector

Impact resistant plastic housing

Built-in hanging loop for convenient storage

Tabs for optional shoulder strap (VB-802)

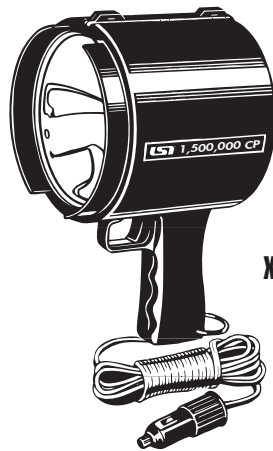
Mounting threads for optional swivel/tilt bases (screw down base: SM-1, magnetic base: MM-2)

12 volt optional battery pack (RBP-1240, RBP-1270, RBP-12170)

Weight in box: 1lbs 12oz.

Weight, light only: 1lbs 3oz.

Made in U.S.A.



XL-1000

XL-550

HIGH INTENSITY QUARTZ HALOGEN NITE TRACKER®

The Nite Tracker XL's pack a bolt of lightning into the world's most powerful quartz halogen hand-held spotlights. The XL-550 has a 750,000 candlepower beam which is up to 10 times brighter than automobile headlights and will carry over one mile.

The Nite Tracker XL's will operate from any 12 volt source (car, boat, camper or truck). The computer designed parabolic reflector system creates an intense concentrated beam that turns night into day. Penetrates fog, mist and rain.

XL's have a unique lock-on/lock-off trigger switch that can also be used for signaling. The ten foot heavy duty cord lets you move the lights to where they are needed. The Nite Tracker XL's also have a convenient hanging loop.

FEATURES

12 volt, 4.5 amps, 55 watts, bulb #12336

Beam angle 7° horizontal and 5° vertical

High intensity Quartz Halogen lamp

Protective shield around Lexan® lens.

Advanced pistol grip design

Lock-on/lock-off trigger switch

Heavy duty 10-foot cord and plug

Works from any 12 volt source

Computer designed parabolic reflector

Impact resistant plastic housing

Built-in hanging loop for convenient storage

Tabs for optional shoulder strap (VB-802)

Mounting threads for optional swivel/tilt bases (screw down base: SM-1, magnetic base: MM-2)

Optional 12 volt battery packs available (RBP-1240, RBP-1270, RBP-12170)

Weight in box: 1lbs 12oz.

Weight, light only: 1lbs 3oz.

Made in U.S.A.



NT-450

450,000 CANDLEPOWER 12 VOLT PORTABLE NITE TRACKER®

The Nite Tracker 450 packs a bolt of lightning into the world's most powerful tungsten, sealed beam hand held spotlight. The 450,000 candlepower beam is up to 10 times brighter than automobile headlights, and will carry over one mile. The Nite Tracker 450 will operate from any 12 volt source (car, boat, camper or truck). The sealed beam is completely waterproof and will float with the beam up. It has a unique lock-on/lock-off trigger switch which can also be used for signaling. The 8' foot cord lets you move the light to where it is needed. The Nite Tracker 450 also has a convenient hanging loop.

FEATURES

12 volts, 12.5 amps, 150 watts, bulb #450-2

One of the brightest sealed beam spotlights available

Advanced design pistol grip

Quick action momentary contact switch

Lock-on/lock-off trigger switch

Waterproof, floats with beam up

Heavy duty 8-foot cord and plug

450,000 candlepower tungsten sealed beam (450-2)

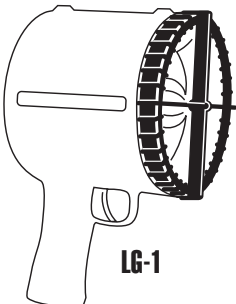
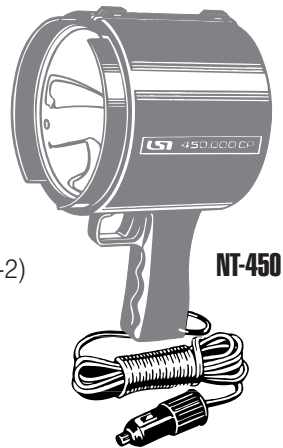
Works from any 12 volt source

Beam angle 15° horizontal and 7 ° vertical

Weight in box: 2lbs 1oz.

Weight, light only: 1lbs 13oz.

Made in U.S.A.



LG-1 Lens Guard

The LG-1 lens guard is an optional accessory for all of the LSI Nite Tracker® and full size Nite Guard® spotlights. The lens guard simply snaps over the lens and housing to give added protection to the Lexan® lens when used under rugged conditions where scratching or impact may damage the lens. The LG-1 cannot be used with the RC-3800, XL-1800, RC-1600, RC-1100N, CE-1500 or SR series.

SP-300

300,000 CANDLEPOWER 12 VOLT PORTABLE NITE TRACKER®

The Nite Tracker 300 packs a bolt of lightning into one of the world's most powerful tungsten, sealed beam hand held spotlight. The 300,000 candlepower beam is up to 10 times brighter than automobile headlights, and will carry over one mile. The Nite Tracker 300 will operate from any 12 volt source (car, boat, camper or truck). The sealed beam is completely waterproof and will float with the beam up. It has a unique lock-on/lock-off trigger switch which can also be used for signaling. The 14' foot cord lets you move the light to where it is needed. The Nite Tracker 300 also has a convenient hanging loop.

FEATURES

12 volts, 12.5 amps, 150 watts, bulb #300-07

One of the brightest sealed beam spotlights available

Advanced design pistol grip

Quick action momentary contact switch

Lock-on/lock-off trigger switch

Waterproof, floats with beam up

Heavy duty 14-foot cord and plug

300,000 candlepower tungsten sealed beam (300-07)

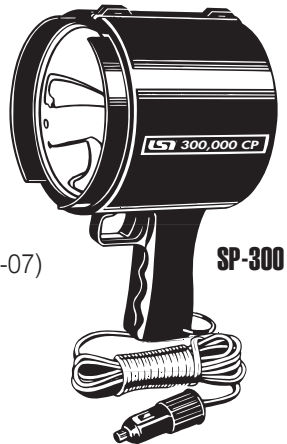
Works from any 12 volt source

Beam angle 15° horizontal and 7 ° vertical

Weight in box: 2lbs 1oz.

Weight, light only: 1lbs 13oz.

Made in U.S.A.



Quick-Charge

NITE TRACKER® CHARGING MOUNT MODELS QC-12, QC-110 OR QC-220

The LSI Quick-Charge charging mount has been developed to provide a fast and economical method to quick charge the LSI Nite Tracker® and NiteGuard® spotlights from any 12 volt, 110 volt or 220 volt source – auto, truck, RV or marine. In addition, it provides a safe, secure means of retaining the spotlights in police, fire and utility vehicles as well as recreational vehicles while on the move.

The Quick-Charge has a convenient co-axial jack built into the base of the unit to accept the recharging receptacle on the rear of the spotlight handle for a safe, solid connection.

The solid state circuitry, in conjunction with red and green LED's, visually indicates when spotlights are charging and when the charge is complete. When both red and green LED's are on, the spotlight is properly connected and in place. Once a full charge is attained, the red light will go out, leaving the green light as indicating a full charge. Quick-Charges are fully regulated and can be left on indefinitely without fear of overcharging.

Where multiple lights are being used and recharged on AC current, a number of Quick-Charges can be mounted side by side for quick and easy access in police and fire stations, in field operation, construction projects and watch towers.

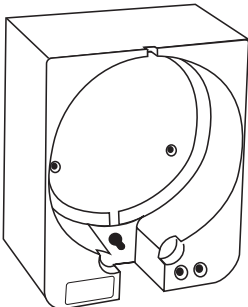
A retainer spring on the top of the Quick-Charge holds the Spotlight in place while in a moving vehicle or boat, yet allows for quick and easy removal when needed.

For permanent mounting, three built-in screw bosses allow for screw mounting to a wall or in a vehicle. In addition, there are two keyhole slots in the back plate for convenient, casual hanging on a hook or nail.

METHODS OF RECHARGING THE SPOTLIGHTS:

The QC-12 comes with a DC charging plug which is simply plugged into any cigarette lighter receptacle and will recharge in 4 hours. This system allows for total portability and is removable from a boat or vehicle for security reasons.

The QC-110 and QC-220 come with a 110 volt or 220 volt adapter for recharging the RC-500K, RC-250, CE-7500, CE-5200 and the CE-5400GF. When recharging from 110 volt or 220 volt current, it will take from 8 to 16 hours for a complete charge.



The QC-12 can be hard-wired into a vehicle's electrical system and the charging stand installed in a convenient location for a permanent in-vehicle mount and recharging system. Simply remove the cigarette lighter plug and attach the ribbed wire to battery positive (+) and the smooth wire to battery negative (-).



300,000 CP CORDLESS, RECHARGEABLE HOT SPOT™

OPERATING INFORMATION

Battery life and number of charges per lifetime depend on individual levels of discharge per use.

Life expectancy of the battery is 100 cycles if completely discharged after each use. 200 to 400 cycles can be achieved if the spotlight is only partially discharged on a regular basis. Partial discharge and regular recharge is highly recommended.

On full charge, the battery will provide approximately 20 to 25 minutes of continuous light per cycle.

The HSRC is designed to operate from its internal battery system only. Although the HSRC can be recharged from either AC or DC sources, it is not designed to operate from AC or DC sources.

The HSRC is designed for intermittent use.

RECHARGING INFORMATION

Following complete discharge, the battery requires 24 hours on AC current or 10-12 hours on DC current. The battery should be charged after each use, even if not completely discharged.

By using the new CS-12, Quick Charge the HSRC can be recharged in approximately 4 hours. The HSRC Hot Spot can remain in the CS-12 without harm to the battery.

The HSRC should not charge for more than 20 days with a regular AC charger, possible fluctuations in line voltage may decrease the battery life.

The HSRC draws 1/3 (one third) amp when recharging from a car battery. If the car engine is off, the effect is similar to leaving the interior light on.

GENERAL INFORMATION

The HSRC uses an H-3, 6 volt, 25 watt halogen bulb (Model 25336). Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

Weight in box with chargers: 2lbs 10oz.

Weight, light only: 1lbs 13oz.

The battery (Model HS-02) can be replaced by unscrewing the housing halves, slipping the terminals from the old battery and replacing with the new.

Made in U.S.A.



Hot Spot™ Charging Stand

MODELS CS-12, CS-110 OR CS-220

The LSI Charging Stand has been developed to provide a fast and economical method of charging the LSI Rechargeable Hot Spot spotlights from any 12 volt, 110 volt or 220 volt source – auto, truck, RV or marine. In addition, it provides a safe, secure means of retaining the spotlights in police, fire and utility vehicles as well as recreational vehicles while on the move.

The Charging Stand has a convenient co-axial jack built into the base of the unit to accept the recharging receptacle on the rear of the Hot Spot handle for a safe, solid connection.

The solid state circuitry, in conjunction with red and green LED's, visually indicates when Hot Spots are charging and when the charge is complete. When both red and green LED's are on, the Hot Spot is properly connected and in place. Once a full charge is attained, the red light will go out leaving the green light as indicating a full charge. Charging Stands are fully regulated and can be left on indefinitely without fear of over-charging.

Where multiple lights are being used and recharged on AC current (110V or 220V) a number of Charging Stands can be mounted side by side for quick and easy access in police and fire stations, in field operations, construction projects and watch towers.

For permanent mounting, three built-in screw bosses allow for mounting to a wall or in a vehicle. In addition, there is a keyhole slot in the back plate for convenient, casual hanging on a hook or nail.

METHODS OF RECHARGING:

The CS-12 comes with a DC charging plug which is simply plugged into any cigarette lighter receptacle and will recharge in 4 hours. This system allows for total portability and is removable from a boat or vehicle for security reasons.

The CS-110 and CS-220 come with a 110 volt or 220 volt charger for recharging the HSRC Hot Spots. Recharging from 110 volt or 220 volt current, will take from 8 to 16 hours for a complete charge.

The CS-12 can be hard-wired into a vehicle's electrical system, and the charging stand installed in a convenient location for a permanent in-vehicle mount and recharging system. Simply remove the cigarette lighter plug and attach the ribbed wire to battery positive (+) and the smooth wire to battery negative (-).

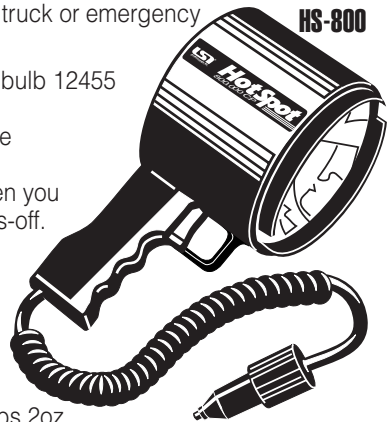
HS-800

QUARTZ HALOGEN COMPACT HOT SPOT™

The hottest new innovation in hand-held spotlights. The LSI Hot Spot packs 800,000 candlepower into a 50% smaller and lighter hand-held spotlight.

Long distance flood lighting with high intensity power over land and water makes the Hot Spot the ultimate light for car, boat, truck or emergency use.

- 12 volt, 8.3 amp – 100 watts, Quartz Halogen bulb 12455
- Beam angle 5° horizontal and 4° vertical
- Operates from any 12 volt source including the optional LSI RBP-1240 battery pack.
- Momentary contact switch gives you light when you need it in a split second, switch locks-on/locks-off.
- Protective shield reduces glare and protects the lens.
- The brilliant beam carries over one mile.
- Computer designed parabolic reflector for search and spotlight use.
- 10 foot cord.
- Weight in box: 1lbs 6oz. Weight, light only: 1lbs 2oz.
- Made in U.S.A.



NOTE: The HS-800 is a high wattage product and is designed for intermittent use, not continuous operation.

HS-400

QUARTZ HALOGEN COMPACT HOT SPOT™

The hottest new innovation in hand-held spotlights. The LSI Hot Spot packs 400,000 candlepower into a 50% smaller and lighter hand-held spotlight.

Long distance flood lighting with high intensity power over land and water makes the Hot Spot the ultimate light for car, boat, camper, truck or emergency use.

- 12 volt, 4.6 amp, 55 watts, Quartz Halogen bulb 12336
- Operates from any 12 volt source including the optional LSI RBP-1240 battery pack.
- Momentary contact switch gives you light when you need it in a split second, switch locks-on/locks-off.
- Protective shield reduces glare and protects the Lexan® lens.
- The brilliant beam carries over one mile.
- Computer designed parabolic reflector for search and spotlight use.
- 10 foot cord.
- Weight in box: 1lbs 1oz.
- Weight, light only: 13oz
- Made in U.S.A.



HS-2012 and HS-2110

HSRC – HOT SPOT™ RECHARGEABLE SPOTLIGHT COMBINED WITH EITHER THE CS-12 OR CS-110 CHARGING STAND

The HSRC is a 300,000 CP, portable rechargeable spotlight.

The Rechargeable Hot Spot is today's smallest, lightest, brightest, cordless spotlight available. It is 50% smaller than conventional spotlights, yet packs a "wallop" of bright quartz halogen light that is several times brighter than car headlights.

The LSI Charging Stands have been developed to provide a fast and economical method to charge the LSI Rechargeable Hot Spot spotlights from any 12 volt, 110 volt or 220 volt source – auto, truck, RV or marine. In addition, the Charging Stands provide a safe, secure means of retaining the spotlights in police, fire and utility vehicles as well as recreational vehicles while on the move.

The Charging Stand has a convenient co-axial jack built into the base of the unit to accept the recharging receptacle on the rear of the Hot Spot handle for a safe, solid connection.

The solid state circuitry, in conjunction with red and green LED's, visually indicates when Hot Spots are charging and when the charge is complete. When both red and green LED's are on, the Hot Spot is properly connected and in place. Once a full charge is attained, the red light will go out leaving the green light as indicating a full charge. Charging Stands are fully regulated and can be left on indefinitely without fear of overcharging.

Where multiple lights are being used and recharged on AC current (110V or 220V) a number of Charging Stands can be mounted side by side for quick and easy access in police and fire stations, in field operations, construction projects and watch towers.

METHODS OF RECHARGING:

The HS-2012 comes with a DC charging plug which is simply plugged into any cigarette lighter receptacle and will recharge in 4 hours. This system allows for total portability and is removable from a boat or vehicle for security reasons. The HS-2012 can also be hard-wired into a vehicle's electrical system, and the charging stand installed in a convenient location for a permanent in-vehicle mount and recharging system. Simply remove the cigarette lighter plug and attach the ribbed wire to battery positive (+) and the smooth wire to battery negative (-).

The HS-2110 comes with a 110 volt or 220 volt charger for recharging the HSRC Hot Spots. When recharging from 110 volt or 220 volt current, it will take 8 to 16 hours for a complete charge.

The HS-2222 comes with 12V DC and 220V AC chargers for the stand as well as 12V DC and 220V AC chargers for the HSRC.

Made in U.S.A.

SU-300

300 METER NITE TRACKER® GUNLITE

OPERATING INFORMATION

The Nite Tracker SU-300 is 12 volt operable or for use with optional 12 volt battery packs (RBP-1240, RBP-1270, RBP-12170). Snap-in red filter and universal, multi-position scope/barrel mount, Included.

GENERAL INFORMATION

12 volt, 55 watt Halogen Xenon bulb

(Model #SU-300-09)

6-foot cord and plug

Beam angle 8° horizontal and 6° vertical

Weight in box: 1lbs 10oz

Weight, light only: 13.3oz



SU-200

200 METER NITE TRACKER® GUNLITE

OPERATING INFORMATION

The Nite Tracker SU-200 is completely self-contained. Comes complete with stock mountable battery pack, waterproof pressure switch, AC charger, snap-in red filter and universal, multi-position scope/barrel mount. The waterproof pressure switch is located at the end of the coil cord and can be mounted on the forearm or near the trigger to be activated by either hand.

RECHARGING INFORMATION

The battery pack can be recharged hundreds of times. Using the AC charger the battery is restored to full strength in 24 hours. An optional DC charger will recharge the battery in 8 to 10 hours.

GENERAL INFORMATION

6 volt, 20 watt Halogen Xenon bulb
(Model #SU-200-09)

Beam angle 7° horizontal and 5° vertical

Weight in box: 2lb 10oz

Weight, light with battery: 1lb 15oz



CE-1500

1,500,000 CP NITEGUARD® CORDLESS, RECHARGEABLE SPOTLIGHT

OPERATING INFORMATION

The CE-1500 is designed to operate from its internal battery system. Although the CE-1500 can be **recharged** from AC and DC sources, it is **not designed to operate directly from AC sources.**

The CE-1500 **will operate directly from 12 volt DC sources,** such as your car, truck, RV or boat, using the detachable 12 volt cord.

RECHARGING INFORMATION

Battery life and number of charges per lifetime depend on individual levels of discharge per use. The CE-1500 contains a 12 volt rechargeable battery pack.

Life expectancy of the batteries is 100 cycles if completely discharged after each use. 200 to 400 cycles can be reached if only partially discharged on a regular basis.

On full charge, the battery will provide approximately 15 to 20 minutes of continuous operating time per cycle. In other words, it will provide approximately 20 minutes of continuous light.

The CE-1500 is designed for intermittent use. To recharge the battery (after complete discharge) requires 8 to 10 hours on AC current or 2 to 4 hours on DC current.

Do not leave spotlight on charge for more than 20 days. Fluctuation in line voltage may occur. Extended charging will decrease battery life.

The CE-1500 uses a 12 volt rechargeable battery. (Model CE12V2.4 V)

GENERAL INFORMATION

The CE-1500 uses a 12 volt halogen bulb (Model 12455). Technical data on the bulb is: 12 volts, 8 amps, 100 watts. Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

The reflector is thermoset resin plastic.

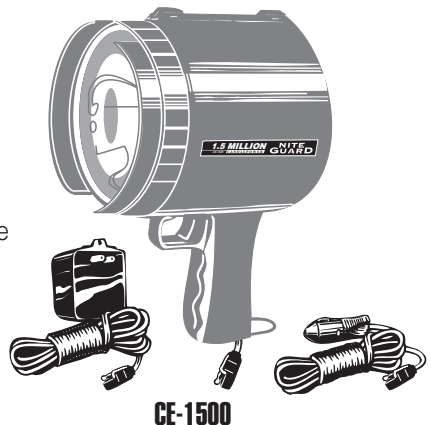
Housing is Polypropylene.

Weight in box with chargers: 5lbs 3oz.

Weight, light only: 3lbs 12oz.

To replace the batteries simply unscrew the housing halves, slip off the terminals from the batteries, slip in the new battery pack and screw the housing back together.

Made in U.S.A.



CE-1500

CE-7500

NITEGUARD® VALUE LINE **750,000 CANDLEPOWER CORDLESS** **RECHARGEABLE NITEGUARD®**

OPERATING INFORMATION

Battery life and the number of charges per lifetime depend on individual levels of discharge per use.

Life expectancy of the battery is 100 cycles if completely discharged each time. 200 to 400 cycles can be achieved if only partially discharged each time.

On full charge, the battery will provide approximately 15 to 20 minutes of continuous operating time per cycle. In other words, it will provide approximately 15 to 20 minutes of continuous light

The CE-7500 is designed to operate only from the internal battery system. Although it can be recharged from either AC or DC sources, it is not designed to operate directly from AC or DC sources.

The CE-7500 is designed for intermittent use.

RECHARGING INFORMATION

The battery used in the CE-7500 is a 6 volt rechargeable battery (6V4P-CE)

To recharge the battery after complete discharge requires 24 hours on AC current and 10 to 12 hours on DC current. The battery should be charged after each use, even if not completely discharged.

By using the new QC-12, Quick Charger, the CE-7500 can be recharged in about 4 hours, and can remain in the Quick Charger, indefinitely as this is a regulated charger.

Do not leave the CE-7500 charging for more than 20 days with regular AC chargers. Fluctuation in line voltage may occur – this can decrease the battery life.

The CE-7500 draws 1/3 (one third) amp when recharging from a car battery. If the car engine is off, the effect is similar to leaving the interior light on.

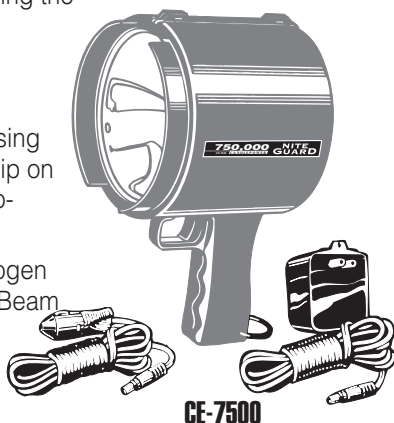
Weight in box with chargers: 3lbs 15oz.

Weight, light only: 2lbs 15oz.

To replace the battery, simply unscrew the housing halves, slip off the terminals from the battery, slip on the new battery, and screw the housing back together.

The CE-7500 uses a 6 volt, 75 watt Quartz Halogen bulb (CE75-09). Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

Made in U.S.A.



CE-7500

CE-5400GF

NITEGUARD® VALUE LINE **500,000 CANDLEPOWER, CORDLESS,** **RECHARGEABLE, GLARE-FREE NITEGUARD®**

OPERATING INFORMATION

Battery life and the number of charges per lifetime depend on how much you let the battery discharge each time you use the spotlight.

Life expectancy of the battery is 100 cycles if completely discharged each time. However you can get up to 200 to 400 cycles if only partially discharged each time.

On full charge, the battery will provide approximately 15 to 20 minutes of continuous operating time per cycle. In other words, it will provide approximately 15 to 20 minutes of continuous light.

The CE-5400GF is designed to operate only from the internal battery system. Although it can be recharged from either AC or DC sources, it is **not** designed to operate directly from AC or DC sources.

The CE-5400GF is designed for intermittent use.

RECHARGING INFORMATION

The battery used in the CE-5400GF is a 6 volt rechargeable battery (6V4P-CE)

To recharge the battery after complete discharge requires 24 hours on AC current and 10 to 12 hours on DC current. The battery should be charged after each use, even if not completely discharged.

By using the new QC-12, Quick Charger, the CE-5400GF can be recharged in about 4 hours, and can remain in the charger indefinitely as this is a regulated charger.

Do not leave the CE-5400GF charging for more than 20 days with regular AC chargers. Fluctuation in line voltage may occur – this can decrease battery life.

The CE-5400GF draws 1/3 (one third) amp when recharging from a car battery. If the car engine is off, the effect is similar to leaving the interior light on.

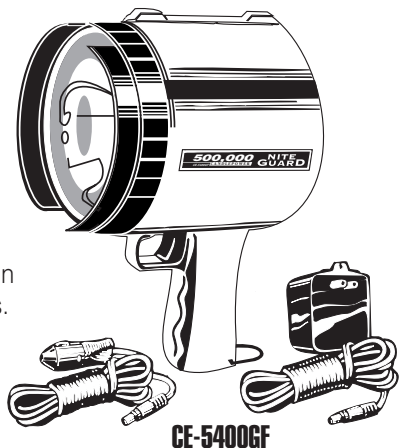
Weight in box with chargers: 4lbs 4oz.

Weight, light only: 3lbs 3oz.

To replace the battery, simply unscrew the housing halves, slip off the terminals from the battery, slip on the new battery, and screw the housing back together.

The CE-5400GF uses a 6 volt, 55 watt halogen bulb (CE52-09). Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

Made in U.S.A.



CE-5400GF

CE-5200

NITEGUARD® VALUE LINE 500,000 CANDLEPOWER, CORDLESS, RECHARGEABLE NITEGUARD®

OPERATING INFORMATION

Battery life and the number of charges per lifetime depend on individual levels of discharge per use.

Life expectancy of the battery is 100 cycles if completely discharged each time. However, 200 to 400 cycles can be achieved if only partially discharged each time.

On full charge, the battery will provide approximately 15 to 20 minutes of continuous operating time per cycle. In other words, it will provide approximately 15 to 20 minutes of continuous light.

The CE-5200 is designed to operate only from the internal battery system. Although it can be recharged from either AC or DC sources, it is **not** designed to operate directly from AC or DC sources.

The CE-5200 is designed for intermittent use.

RECHARGING INFORMATION

The battery used in the CE-5200 is a 6 volt rechargeable battery (6V4P-CE).

To recharge the battery after complete discharge requires 24 hours on AC current and 10 to 12 hours on DC current. The battery should be charged after each use, even if not completely discharged.

By using the new QC-12, Quick Charger, the CE-5200 can be recharged in about 4 hours, and can remain in the charger indefinitely as this is a regulated charger.

Do not leave the CE-5200 charging for more than 20 days with regular AC chargers. Fluctuations in line voltage may occur – this can decrease the battery life.

The CE-5200 draws 1/3 (one third) amp when recharging from a car battery. If the car engine is off, the effect is similar to leaving the interior light on.

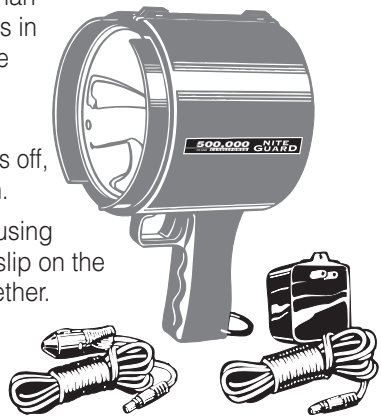
To replace the battery, simply unscrew the housing halves, slip off the terminals from the battery, slip on the new battery, and screw the housing back together.

Weight in box with chargers: 3lbs 15oz.

Weight, light only: 2lbs 15oz.

The CE-5200 uses a 6 volt, 55 watt halogen bulb (CE52-09). Life expectancy is 100 hours. Beam angle is 7° horizontal and 5° vertical.

Made in U.S.A.



CE-5200

CE-1200

NITEGUARD® VALUE LINE **HIGH INTENSITY QUARTZ HALOGEN** **NITEGUARD®**

The NiteGuard packs a bolt of lightning into one of the world's most powerful Quartz Halogen hand-held spotlights. The CE-1200, with a 1,000,000 candle-power beam, more powerful than an aircraft landing light, is up to 20 times brighter than your automobile headlights and will carry over one mile.

The NiteGuard CE-1200 will operate from any 12 volt source (car, boat, camper or truck). The computer designed parabolic reflector system creates an intense concentrated beam that turns night into day. Penetrates fog, mist and rain.

They have a unique lock-on/lock-off trigger switch that can also be used for signaling. The ten foot heavy duty cord lets you move the lights to where they are needed. The NiteGuard CE-1200 also has a convenient hanging loop.

FEATURES

12 volt, 8.3 amps, 100 watts, Bulb #CE12-07

Beam Angle 7° horizontal and 5° vertical.

High intensity Quartz Halogen lamp

Protective shield around Lexan® lens

Advanced pistol grip design

Lock-on/lock-off trigger switch

Heavy duty 10-foot cord and plug

Works from any 12 volt source

Computer designed parabolic reflector

Impact resistant plastic housing

Built-in hanging loop for convenient storage

Tabs for optional shoulder strap (VB-802)

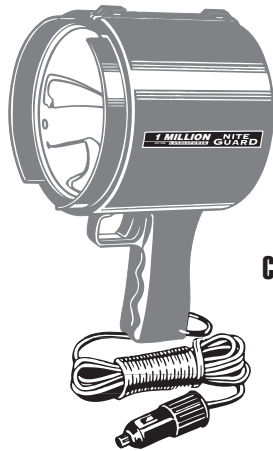
Mounting threads for optional swivel/tilt bases (screw down base: SM-1, magnetic base: MM-2)

12 volt optional battery pack (RBP-1240, RBP-1270, RBP-12170)

Weight in box: 1lbs 12oz.

Weight, light only: 1lbs 3oz.

Made in U.S.A.



CE-1200

CE-4400GF

NITEGUARD® VALUE LINE

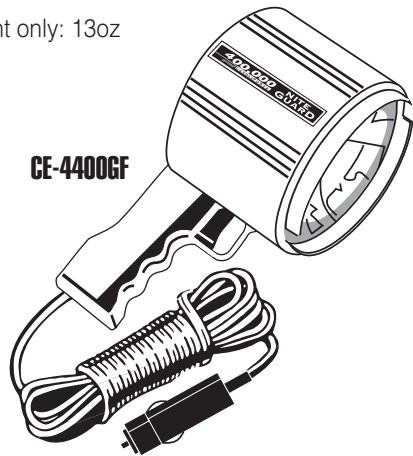
QUARTZ HALOGEN NITEGUARD

COMPACT SPOTLIGHT

The hottest new innovation in hand-held spotlights. The LSI NiteGuard packs 400,000 candle power into a 50% smaller and lighter hand-held spotlight.

Long distance flood lighting with high intensity power over land and water makes the NiteGuard the ultimate light for car, boat, camper, truck or emergency use.

- 12 volt, 4.6 amp, 55 watts, Quartz Halogen bulb CE44-07
- Operates from any 12 volt source including the optional LSI RBP-1240 battery pack.
- Momentary contact switch gives you light when you need it in a split second, switch locks-on/locks-off.
- Special blue filter ring.
- Protective shield reduces glare and protects the Lexan® lens.
- The brilliant beam carries over one mile.
- Computer designed parabolic reflector for search and spotlight use.
- 10 foot cord.
- Weight in box: 1lbs 1oz. Weight, light only: 13oz
- Made in U.S.A.



RECHARGEABLE BATTERY INFORMATION

Our primary battery is the Panasonic (sealed lead acid) battery, however, we OCCASIONALLY use other brands of equal quality.

RC-1600, RC-1100N, RC-3800 and CE-1500 – uses a 12 volt battery pack

HSRC, RC-250, and RC-500K, CE-7500, CE-5200 and CE-5400GF – use one 6 volt battery.

NT-450, XL-550, XL-1000, HS-400, HS-800 CE-1200 and CE-4400GF – are all 12 volt systems and can be hard wired to a 12 volt boat system and will hold up well.

GENERAL RECHARGING INFORMATION

The LSI rechargeable spotlights come with AC and DC chargers (available in 110V or 220V).

Recharging after each use is recommended.

Depending on the length of use and degree of discharge, the charging time can be calculated. For every 10 minutes of use, the unit must charge for 8 hours on AC or 4 hours on DC.

If fully discharged the battery should be charged for 24 hours on 110 volt (220 volt) AC (house) or 12 hours on 12 volt DC (car). (Models RC-1100, RC-1600 and CE-1500 should be charged for 8 to 10 hours on 110 volt AC or 2 to 3 hours on 12 volt DC.)

After a full recharge, the battery can be stored up to 5 to 6 months without recharging.

It is best to disconnect the light after a full recharge. Batteries should not be left on charge for periods exceeding 20 days (using the AC or DC chargers.)

QC-12 AND CS-12

The QC-12 (for models: RC-500, RC-250, CE-7500 CE-5400GF and CE-5200) and the CS-12 (for the HSRC, Hot Spot™) are regulated chargers and have an automatic shut off when batteries are fully charged. Therefore, lights can remain in the charger for extended periods.

The QC-12 (12 volt) Quick-Charger will recharge the RC-500, RC-250, CE-7500, CE-5200 and CE-5400GF in approximately 4 hours. Charging time depends on the level of discharge of the light and if the engine is running or in the off position.

The new **CS-12** will recharge the HSRC Hot Spot in approximately 4 hours on DC chargers and **CS-110** and **CS-220** will recharge the HSRC Hot Spot in approximately 8 to 16 hours on AC chargers, depending on the degree of discharge.

PP-100

The PP-100 is for use only with the HSRC and the RC-250

The PP-100 doubles the operating time of the RC-250 and triples the HSRC.

GENERAL

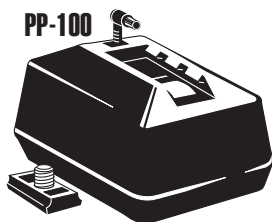
LSI 12 volt Spotlights have portable capability when operated from any of the three LSI portable 12 volt battery packs (RBP-1240, RBP-1270, RPB-12170).

Salt water can affect the reflectors and possibly the internal wire components. However, many units have sold globally with no salt water ramifications.

PP-100, PP-200

RECHARGEABLE PORTABLE POWER PACK™

for the RC-250 Nite Tracker® and HSRC Hot Spot® Spotlight



PP-100

OPERATING INFORMATION

The Model PP-100 is a cordless, rechargeable 6 volt battery pack with a dovetail track and a dovetail adaptor to support LSI cordless Spotlights. The threaded adaptor screws easily into the spotlight handle of the RC-250 Nite Tracker. The Power Pack is recharged by using the AC or DC chargers which is supplied with the Nite Tracker. The PP-100 is not recommended for use with any other spotlights.

PP-200 is identical to the PP-100 with the addition of an AC charger (110 volt or 220 volt), should you require two or more Power Packs. An optional DC charger lets you recharge "on the go" from your vehicle or boat cigarette lighter outlet.

A convenient pull-out male PC connector simply plugs into the female receptacle of the Nite Tracker.

The Power Pack doubles the operating time for the RC-250 and triples the operating time of the HSRC.

RECHARGING INFORMATION

The Power Pack can be charged hundreds of times. Using the AC charger (available in 220 volt) the battery is restored to full strength in 24 hours. An optional DC charger recharges spotlights "on the go" from a vehicle or boat cigarette lighter outlet, reaching a full charge in 10 to 12 hours.

MAINTENANCE FREE

The sealed battery eliminates messy and dangerous chemical leaks; can be recharged hundreds of times.

IT'S SAFE

Low voltage, solid state circuitry eliminates the danger of fires, burns or asphyxiation.

Will operate safely – even in the rain.

TROUBLE FREE

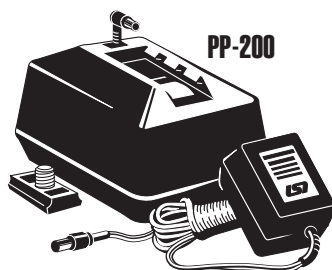
Its rugged, water-resistant case will not rust or corrode.

Designed for years of trouble free service; fully protected by a limited 6 month warranty.

LIGHTWEIGHT

Complete with battery it weighs less than 3 lbs. **Unit Size** 5" x 3.5" x 2.5"

This Power Pack does not contain Cadmium or Mercury. The sealed battery in this unit contains lead and must be recycled or disposed of properly.



PP-200

QH-560 LightHawk™

CORDLESS RECHARGEABLE SPORT LANTERN

Features Sport Lantern with dimmer

Operating time on full charge

4 hours on "bright"

6 to 8 hours on "dim"

Charging time after complete discharge

AC current 20 to 24 hours

DC current 10 to 12 hours

Bulb Life 100 hours on "bright"
1000 hours on "dim"

Type of Bulb Quartz Halogen (#560-7-1)

Brightness Equivalent to a 40 watt incandescent bulb

Battery Type 6V4P (6 volts)

Weight In box with chargers: 3lbs 15oz
Light only: 3lbs 2oz



R-46 LightHawk Sidekick™

Features 360° of soft filtered light
High tech Krypton Bulb – 70% brighter
Built-in fold-out carrying handle
Made of durable, weather resistant thermoplastic
Excellent for road side emergencies
Camping and patio use

Battery type 4 "D" cells

Operating Time Approximately 20 hours on Alkaline batteries.
6 to 8 hours using primary carbon zinc batteries

Bulb Life Up to 50 hours

Type of Bulb Krypton (#46-07)

Brightness Equivalent to a 25 watt bulb



TL-6900

TROOPER 5 “D” CELL SEARCHLIGHT WITH KRYPTON BEAM & ELECTRONIC FLASHER

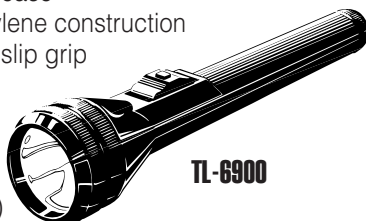
Features 3-way signaling switch
Distortion free, vacuum metalized reflector
Weatherproof
Crush-resistant reinforced case
Impact resistant polypropylene construction
Deep ribbed case for non-slip grip
Proven industrial quality

Bulb Life 15 hours

Type of Bulb KPR-112 (6 volts, .7 amps)

Reflector Output 30,000 beam candlepower

Weight Without batteries: 11 oz.



TL-6900

K-2618

2 “D” CELL HEAVY DUTY INDUSTRIAL FLASHLIGHT UNBREAKABLE LENS, SWITCH GUARD

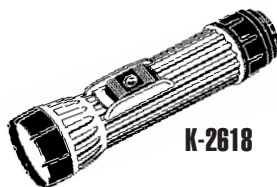
Features Unbreakable Tuflexx® lens
“Switch Guard” helps prevent accidental lighting
Shock bulb retainer cushions bulb on hard impact
Distortion free faceted, vacuum metalized reflector
Deep ribbed case for non-slip grip
Industrial yellow case

Bulb Life 15 hours

Type of Bulb PR-2 (2.6 volts, .5 amps)

Reflector Output 8,000 beam candlepower

Weight Without batteries: 4.5 oz.



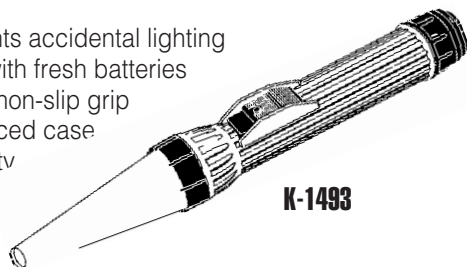
K-2618

K-1493

3 "D" CELL DIRECTOR LIGHT WITH ELECTRONIC FLASHER & 4" RED WAND. WATERPROOF

Features	Automatic Flashing Signal
	Waterproof
	Distortion free, vacuum metalized reflector
	Shock absorbing rubber end caps
	4" Signaling wand
	"Switch Guard" prevents accidental lighting
	Lasts up to 60 hours with fresh batteries
	Deep ribbed case for non-slip grip
	Crush-resistant reinforced case
	Proven industrial quality

Bulb Life	30 hours
Type of Bulb	KPR-103 Krypton Bulb
Reflector Output	10,000 beam candlepower
Weight	Without batteries: 7 oz.

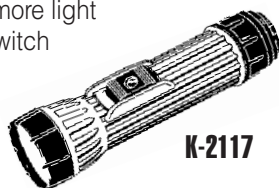


K-2117

2 "D" CELL EXPLOSION PROOF, HAZARDOUS LOCATION FLASHLIGHT WITH CRUSH RESISTANT HOUSING & CIRCUIT BREAKER MECHANISM

Features	For use in hazardous atmospheres
	Division 1 UL & CUL approved
	Lower cost of maintenance
	Oversized, faceted reflector for more light
	250,000 cycle positive locking switch
	Spare bulb compartment
	Ring hanger
	Anti-roll tube

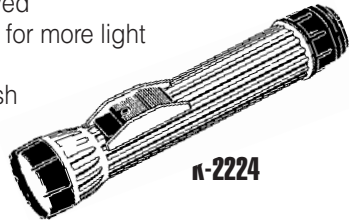
Bulb Life	15 hours
Type of Bulb	PR-2 (2.4 volts, .5 amps)
Reflector Output	7,000 beam candlepower
Weight	Without batteries: 4.5 oz.



K-2224

3 "D" CELL EXPLOSION PROOF, HAZARDOUS LOCATION FLASHLIGHT WITH CRUSH RESISTANT HOUSING & CIRCUIT BREAKER MECHANISM

Features For use in hazardous atmospheres
Division 1 UL & CUL approved
Oversized, faceted reflector for more light
Waterproof
Three-way switch: on-off flash
Spare bulb compartment
Ring Hanger
Anti-roll tube

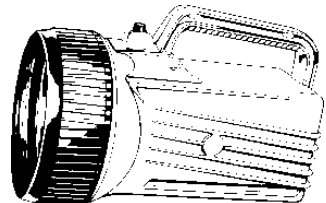


Bulb Life 15 hours
Type of Bulb PR-3 (3.6 volts, .5 amps)
Reflector Output 10,000 beam candlepower
Weight Without batteries: 6 oz.

K-2206

6 VOLT SAFETY APPROVED, EXPLOSION PROOF, HAZARDOUS LOCATION LANTERN. WATERPROOF WITH SWITCH GUARD

Features For use in hazardous atmospheres
Division 1 UL & CUL approved
Waterproof & floating
Oversized, faceted reflector for more light
"Switch Guard" protects switch on impact
Spare bulb compartment
Glove sized handle
Optional stand



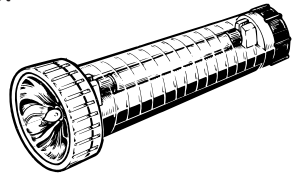
Bulb Life 15 hours
Type of Bulb PR-13 (4.8 volts, .5 amps)
Power Source 6 Volt Spring Terminal Lantern Battery
Reflector Output 30,000 beam candlepower
Weight Without batteries: 14 oz.

K-2206

K-4000

3 IN 1 TROOPER SUPERLIGHT AREA LIGHT, EMERGENCY LIGHT AND SPOTLIGHT

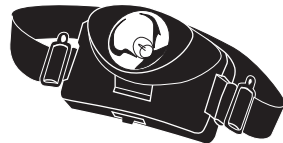
Features	Fluorescent area light Blinker light for signaling Bright krypton flashlight Completely waterproof 3-position rotary switch Waterproof, it floats with fluorescent light up High-impact clear plastic case
Bulb Life	1000 hours – flood/15 hours – spot
Type of Bulb	F4T5 – flood/KPR 113 – spot
Power Source	4 “AA” Batteries
Reflector Output	10,000 beam candlepower
Weight	Without batteries: 8.3 oz.



HH-33

2 “AA” CELL HEAD LAMP, CONVENIENT, HANDS-FREE OPERATION

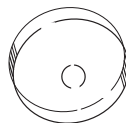
Features	3 position tilt beam Comfortable head strap Hands free use
Bulb Life	15 hours
Type of Bulb	PR 2
Power Source	2 “AA” batteries
Reflector Output	2,000 beam candlepower
Weight	Without batteries: 3.6 oz.



DA-6, DB-7, DR-8, HS-10, HS-11

COLORED SNAP-ON DIFFUSER LENS

Red, amber and blue colored snap-on lens filters for special application uses. DA-6, DB-7 and DR-8 for use with all Nite Trackers®, NiteGuards® and Nite Tracker S/Rs®. The red HS-10 and amber HS-11 snap-on diffuser lens are for use with Hot Spots®



IRF-950 and IRF-850

COVERT AND SEMI-COVERT INFRARED FILTERS

IRF-950 and the IRF-850 are for use with all Nite Trackers®, NiteGuards® and Night Tracker S/Rs®.

IRF-950 COVERT FILTER

Infrared transmission is $\leq 1.0\%$ average from 400 to 890 nm and $\geq 60\%$ average from 950 to 2500 nm. Reflectance is $\leq 5.0\%$ average from 400 to 700 nm. Designed for use with night vision equipment or CCD cameras for short or long range covert surveillance applications. NOTE: Recommended for use with Generation III viewing systems.



IRF-850 SEMI COVERT FILTER

Infrared transmission is $\leq 2.0\%$ average from 400 to 700 nm and $\geq 60\%$ average from 850 to 1200 nm. Designed for use with night vision equipment or CCD cameras. NOTE: Recommended for use with Generation I & II viewing systems.

Sealed Lead Acid Battery

Technical Information

CHARGE RETENTION AND PERFORMANCE

Like NiCad batteries, Sealed Lead Acid (SLA) batteries store their charge best when kept in a cool atmosphere, but unlike NiCads, SLA batteries should be stored in a fully charged state. They will however, store their charge better than NiCads in warm conditions and will continue to perform at temperatures slightly lower than NiCads.

Unlike NiCad batteries, SLA batteries do not suffer from the memory effect. Recharging the partially discharged SLA battery after every use will increase its life and allow for a greater number of discharge-recharge cycles.

SEALED LEAD ACID BATTERY TEMPERATURE VS. CAPACITY TABLE

Temperature		Capacity
°C	°F	
61	140	100%
38	100	105%
20	68	100%
0	32	85%
-12	10	50%
-40	-40	15%

APPROXIMATE BATTERY OPERATING TIME

Model	With Alkaline Batteries	With Carbon-Zinc Batteries
TL-6900	18 hours	6 hours
K-4000 floodlight	6 hours	1.2 hours
K-4000 spotlight	6 hours	0.7 hours
R-46	21 hours	7.5 hours

Model	With RBP-1240	With RBP-1270	With RBP-12170
SP-300	10-15 min.		
NT-450	10-15 min.		
XL-550	45-60 min.	1.75 hours	4.5 hours
XL-1000	20-30 min.	1 hour	2.5 hours
XL-1800	20-30 min.	1 hour	2.5 hours
HS-400	45-60 min.	1.75 hours	4.5 hours
HS-800	20-30 min.	1 hour	2.5 hours
RC-3800	20-30 min.	1 hour	2.5 hours
RC-1600	20-30 min.	1 hour	3 hours
RC-1100N	60 min.	2 hours	5 hours
CE-4400GF	45-60 min.	1.75 hours	2.5 hours
CE-1500	20-30 min.	1 hour	2.5 hours
CE-1200	20-30 min.	1 hour	2.5 hours

FOR NITE TRACKER® AND NITEGUARD RECHARGEABLE SPOTLIGHTS

It is **not** recommended to leave any rechargeable battery discharged or completely drained for any length of time.

Lamp Replacement

FOR NITE TRACKER® SEALED BEAM SPOTLIGHTS

Models SP-150, SP-150C, SP-300, SP-300C, NT-450, NT-450C

The Nite Tracker spotlights utilize a PAR-46 sealed beam spotlight lamp. These lamps are also used in aircraft as landing lamps.

If replacement of the bulb is required, service can be performed as follows:

1. Remove the two screws from the lamp housing using a phillips head screwdriver. Removal of the three screws from the handle is not necessary.
2. Spread open the lamp housing halves and pull bulb out of housing.
3. Remove the lamp wires. (Two types of lamp terminals are used: screw-on or slip-on). Connect replacement sealed beam lamp and reassemble spotlight.

FOR NITE TRACKER® AND NITEGUARD HALOGEN BEAM SPOTLIGHTS

Models RC-500, RC-250, CE-1200, CE-7500, CE-5200, CE-5400GF, XL-1000, XL-550 and CE-1200

If replacement of the bulb is required, service can be performed as follows:

1. Remove the five screws from the lamp housing using a phillips head screwdriver. When you remove the screw from the handle be certain to remove the hanging ring from the handle. Unplug the battery. Note the switch assembly when disassembling the spotlight.
2. Remove the reflector and lens from the housing.
3. Remove the bulb retainer ring from the back of the reflector. This is a press fit part and can easily be removed with needle nose pliers
4. Remove bulb from the reflector. **Do not** touch either the bulb or the reflector with your bare fingers.
5. Disconnect bulb wires, the switch wire may have to be cut and spliced with a wire nut connector. Connect new lamp wires and reassemble lamp.

FOR NITE TRACKER® AND NITEGUARD HALOGEN BEAM SPOTLIGHTS

Models RC-1100N, RC-1600 and CE-1500

If replacement of the bulb is required, service can be performed as follows:

1. Loosen and remove the five screws from the spotlight housing with a phillips head screwdriver. When you remove the screws from the handle be certain to remove the hanging ring.
2. To remove top half of housing, pull upward until the top half of the case pops loose from the top half of the bezel. Hold the switch assembly (trigger) in place while separating the handle.
3. Disconnect the positive and negative connectors from the battery. Lift the battery out of the housing, set aside. Pry metal shield back away from the reflector. **Caution:** Do not touch metal shield to battery contacts.
4. Remove bulb retainer ring at the back of the reflector. This is a press fit part and can easily be removed with needle nose pliers or pried with a screwdriver.
5. Remove bulb from the reflector. Disconnect wires and remove old bulb.
6. **Do not** touch new bulb or reflector with bare fingers, use a soft cloth or tissue. Replace bulb, reconnect wires. (The switch wire may need to be cut and splices with a wire nut connector or soldered.) Place bulb back into reflector, replace metal shield. Attach red positive (+) and black negative (-) connectors.
7. Set the battery back into the housing. Note the position of the switch assembly, adjust if necessary.

Replace top half of case. Replace the five screws. Tighten to a snug fit, do not overtighten. Turn assembled light to face down on flat surface. Press **firmly** on the back of the housing unit the top half of the case snaps into the top half of the bezel. Replace hanging ring.

Bulb Information

FOR NITE TRACKER® & NITEGUARD® SPOTLIGHTS

Model	Type of Bulb	Candlepower	Voltage	Amps	Watts	Life hours @1.0 voltage factor	Bulb #	Beam Angle	
								Horiz.	Vert.
SP-300	Tungsten Sealed Beam	300,000	12	12.5	150	40-50	300-07	15°	7°
NT-450	Tungsten Sealed Beam	450,000	12	12.5	150	25	450-2	15°	7°
XL-1000	Halogen	1,000,000	12	8.3	100	100	12455	7°	5°
XL-1800	Hyper Halogen	2,000,000	12	8.3	100	100	HH455	7°	5°
HS-800	Halogen	800,000	12	8.3	100	100	12455	5°	4°
XL-550	Halogen	500,000	12	4.5	55	150	12336	7°	5°
HS-400	Halogen	400,000	12	4.5	55	150	12336	5°	4°
RC-500K	Halogen	500,000	6	9	55	100	6336	7°	5°
RC-500-24	Halogen	500,000	24	3	70	150	6336	7°	5°
RC-250	Halogen	250,000	6	4	25	100	25336	7°	5°
RC-1100N	Halogen	1,000,000	12	4.5	55	150	12336	7°	5°
RC-1600	Halogen	1,500,000	12	8	100	100	12455	7°	5°
RC-3800	Hyper Halogen	2,000,000	12	8.3	100	100	HH455	7°	5°
HSRC	Halogen	300,000	6	4	25	100	25336	5°	4°
QH-560	Halogen	NA	6	1	6	100	560-7-1	360°	
R-46	Krypton	NA	6	7	4	30	46-07	360°	
CE-4400GF	Halogen	400,000	12	4.5	55	150	CE44-07	5°	4°
CE-1200	Halogen	1,000,000	12	8.3	100	100	CE12-07	7°	5°
CE-7500	Halogen	750,000	6	11	75	100	CE75-09	7°	5°
CE-5200	Halogen	500,000	6	9	55	150	CE52-09	7°	5°
CE-5400GF	Halogen	500,000	6	9	55	150	CE52-09	7°	5°
CE-1500	Halogen	1,500,000	12	4.5	55	100	CE15-09	7°	5°
SR-2000	Halogen/Xenon	500,000	6	3.3	20	100	SR-2000-09	7°	5°
SR-2005	Halogen/Xenon	150,000	6	1.5	10	150	SR-2005-09	7°	5°
SR-2010	Halogen/Xenon	150,000	6	6.6	10	150	SR-2010-09	7°	5°
SU-200	Halogen/Xenon	200,000	6	3.3	20	150	SU-200-09	7°	5°
SU-300	Halogen/Xenon	350,000	12	4	55	150	SR-300-09	8°	6°



LECTRO SCIENCE, INC.

A FULL SPECTRUM OF LIGHTS



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