



# High Intensity Discharge Spotlight

Cordless • Rechargeable




## INSTRUCTION MANUAL & WARRANTY INFORMATION

### IMPORTANT SAFETY INFORMATION, SAVE THESE INSTRUCTIONS

TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND THIS INSTRUCTION MANUAL. THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING THE OPERATION AND WARRANTY OF THIS PRODUCT.

# GENERAL SAFETY WARNINGS AND INSTRUCTIONS FOR ALL APPLIANCES

## READ ALL INSTRUCTIONS

 **WARNING:** Read and understand all instructions before operating product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

- **AVOID DANGEROUS ENVIRONMENTS.** Don't use appliances in damp or wet locations. Don't use appliances in the rain.
- **KEEP CHILDREN AWAY.** All visitors should be kept at a distance from work area.
- **STORE IDLE APPLIANCES INDOORS.** When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.
- **USE RIGHT APPLIANCE.** Do not use the appliance for any job except that for which it is intended.
- **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and substantial, non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- **USE SAFETY GLASSES AND OTHER SAFETY EQUIPMENT.** Use safety goggles or safety glasses with side shields, complying with applicable safety standards and, when needed, a face shield. Also use face or dust mask if operation is dusty. This applies to all persons in the work area. Also use a hard hat, hearing protection, gloves, safety shoes and dust collection systems when specified or required. Safety glasses or the like are available at extra cost at your local dealer.
- **DON'T ABUSE CORD.** Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- **DON'T OVERREACH.** Keep proper footing and balance at all times.
- **DISCONNECT APPLIANCES.** Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories such as blades and the like.
- **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.
- **GROUND FAULT CIRCUIT INTERRUPTER (GFCI)** protection should be provided on the circuits or outlets to be used. Receptacles are available having built in GFCI protection and may be used for this measure of safety.
- **USE OF ACCESSORIES AND ATTACHMENTS.** The use of any accessory or attachment not recommended for use with this appliance could be hazardous. Note: Refer to the accessory section of this manual for further details.
- **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.
- **DO NOT OPERATE** portable electric tools near flammable liquids or in gaseous or explosive atmospheres. Certain components in these tools normally spark, and the sparks might ignite fumes.
- **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

- **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked. Safety guidelines / definitions

Volts		Minimum Gage for Cord Sets			
		Total Length of Cord in Feet			
120V		0-25	26-50	51-100	101-150
		(0-7,6m)	(7,6-15,2m)	(15,2-30,4m)	(30,4-45,7m)
240V		0-50	51-100	101-200	201-300
		(0-15,2m)	(15,2-30,4m)	(30,4-60,9m)	(60,9-91,4m)
Ampere Rating		American Wire Gage			
More Than	Not more Than				
0 -	6	18	16	16	14
6 -	10	18	16	14	12
10 -	12	16	16	14	12
12 -	16	14	12	Not Recommended	

## SAFETY GUIDELINES/DEFINITIONS

**⚠ DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION:** Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

**⚠ WARNING: RISK OF UNSAFE OPERATION.** When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Vector Products, Inc. strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tool or equipment.

### SAVE THESE INSTRUCTIONS

**THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR THE HID SPOTLIGHT SLH100V.**

**⚠ WARNING: TO REDUCE THE RISK OF INJURY:**

- Follow these instructions and those published by the manufacturer of any equipment you intend to use with this unit. Review cautionary markings on these products.

## IMPORTANT SAFETY INSTRUCTIONS

**⚠ WARNING:** This product or its power cord contains lead, a chemical known to the State of California to cause cancer and birth defect or other reproductive harm. Wash hands after handling.

**⚠ WARNING: RISK OF ELECTRIC SHOCK:** This light contains high voltage components. Do not disassemble this light other than to replace or recycle the battery. Should this light become damaged, immediately discontinue use and return it to an authorized service center for repair.

- This light is for dry location use only. Never expose this light to rain.
- Do not operate light with damaged cord or plug; or if the unit has received a sharp blow, been dropped, or otherwise damaged in any way. Evidence of tampering with the light will void the warranty.
- Do not operate this unit with a missing or damaged guard or glass lamp containment barrier.
- Do not immerse this spotlight in water. This unit is not waterproof.

**⚠ WARNING: RISK OF INJURY TO EYES AND SKIN FROM UV EXPOSURE:** The glass of the bulb reduces the amount of UV radiation emitted by the bulb. Never operate the light if you suspect the bulb is cracked or see that it is broken. Prior to each use look for evidence of bulb damage and if suspected or observed do not use the light. Return the light to an authorized service center for repair.

- Risk of injury to the eye. Never stare directly into the lit spotlight and never shine the spotlight into another person's eyes.

- Keep sharp objects away from lens – it is glass and can break.

**⚠ WARNING: HOT LENS:** Never block the lens of this light. If the light is operated with the lens blocked, the lens will get hot and damage materials it contacts and it can burn the skin.

- Never place the light with the lens face-down on any surface when lit.

- Keep lamp away from materials that may burn.

- Do not touch hot lens, guard, or enclosure.

- Lens can get hot – do not touch lens while spotlight is operating.

**⚠ WARNING: TO REDUCE THE RISK OF INJURY:** This unit should only be operated by adults; it is not for use by children.

**⚠ CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:**

- Charge only with originally supplied 120 volt AC or 12 volt DC charging adapters. Consult your authorized service center for replacement.

- Replace batteries with the same size and type indicated in the Specifications in the back of this instruction manual.

- Do not drop or throw spotlight.

- Do not crush, cut, pull or expose charging adapter cords to extreme heat or sharp edges.

- Position charging adapter cords so that they do not become entangled and away from lens so that they do not become a safety hazard.

- Always charge in a dry location.

- Plug in the charging adapter at the spotlight first, then plug into the charging source.

- After recharge, disconnect charging adapter and wait 5 minutes before use.

**SAVE THESE INSTRUCTIONS**

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## INTRODUCTION

Congratulations on purchasing the **Vector® HID Spotlight**, an advanced design that uses powerful, proven-technology, rechargeable, non-spillable, sealed, lead acid battery for years of dependable use. It was designed to be the most versatile and practical light for travel, camping, picnicking, tailgate parties and boating. Extremely rugged construction protects the unit from most vibration and shock damage.

## **Unpacking your SLH100V HID Spotlight**

The following items are included in the HID Spotlight package:



**WARNING:** PLEASE  
⚠ INSPECT THE LIGHT  
FOR DAMAGE BEFORE  
USE. IN THE CASE THAT  
DAMAGE IS FOUND,  
RETURN THE LIGHT FOR  
EXCHANGE.

## FEATURES

- Powerful, prefocused, high intensity discharge metal halide bulb
- Replaceable 7 Amp hour sealed lead acid battery
- AC and DC recharge adapters
- Adjustable carry strap
- Protective safety guard (bezel) around lens
- Hands-free adjustable work stand
- Automatic charging (switches to float mode once fully charged)
- Charging and full charge LED indicators
- Battery status indicator pushbutton

# Controls and Functions



## CHARGING THE BATTERY

The unit is delivered in a partially charged state. It must be fully charged prior to first use by using the 120 volt AC method.

After charging, disconnect the Adapter from the external power source, then disconnect the Adapter from the AC Recharge Port.

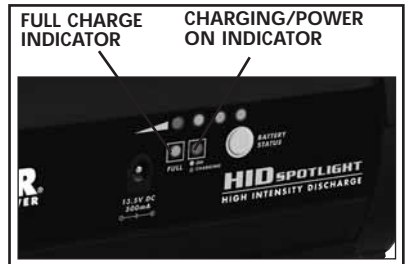
**Note:** Before charging/recharging the unit's battery, make sure the power switch is in the OFF position.



### 120 Volt AC Charging/Recharging

Plug the supplied 120 Volt AC Adapter's plug into a standard North American outlet. Connect the adapter's DC pin into the AC Recharge Port located on the side of the unit, next to the Battery Status Indicator. The Charging LED will light to indicate that the unit is charging. The Full Charge LED indicator will light green when the unit is fully charged.

**Note:** When the unit is not charging and the Power Switch is engaged, the Charging/ON LED will light blue.



### 12 Volt DC Charging/Recharging

The DC recharging method will NOT recharge the unit as effectively as the 120 volt AC method. The 12 volt DC recharging procedure is recommended only when it is necessary, since frequent use of the 12 volt DC recharging procedure may shorten the battery system's life.

1. Insert the end plug of the 12 Volt DC Adapter plug into the vehicle's 12 volt DC accessory outlet.

2. Insert the DC pin in the charging port on the side of the light.
3. Charging time using this method is approximately 5 to 6 hours.
4. When charging is complete, remove the power cord.

**Note:** When using a vehicle's 12 volt DC accessory outlet as a charging source, be aware that some vehicles require the ignition be turned on to power the accessory outlet.

## **OPERATING INSTRUCTIONS**

### **Using the Spotlight**

The HID Spotlight is operated by the switch located on the handle of the unit. The Charging/ON LED indicator will light blue when the unit is turned ON.

### **Using the Adjustable Work Stand**

Set the hands-free adjustable work stand to the desired position; the stand will click into position.



## **CARE AND MAINTENANCE**

### **⚠ CAUTION**

**To reduce the risk of burns and avoid damage to the unit, make sure all power switches are in the OFF position, all adapters are unplugged and the unit has been allowed to cool down before replacing the battery and performing any care and maintenance on the exterior of the light.**

All batteries lose charge with time. AC recharge is recommended after each use or every two months when not in frequent use.

If the unit gets dirty, gently clean the outer surfaces of the Spotlight with a soft cloth moistened with a mild solution of water and detergent. Periodically inspect the condition of recharge adapters, connectors, and wires. Replace any components that may have become worn or broken.

### **Replacement Parts**

The sealed lead acid battery is the only user-replaceable part in this light and it is available through Vector Products, Inc. These can also be purchased from popular automotive parts suppliers nationwide. Contact Vector Products, Inc.'s Technical Support Department for replacement parts (including replacement adapters and cords) and any additional information that you may need. They may be reached toll free at (800) 544-6986.

## Battery Replacement

1. Remove screws and rotate the back cover counterclockwise.
2. Pull out and remove the battery.
3. Disconnect the terminals and replace the battery with the same type and size listed in the Specifications section in the back of this manual.
4. Replace the battery compartment cover and screws.
5. Turn the spotlight's ON/OFF switch to the ON position to ensure proper operation of spotlight.

## Safe Battery Disposal

Contains a maintenance-free, sealed, non-spillable, lead acid battery, which must be disposed of properly. Recycling is required, contact your local authority for information. Failure to comply with local, state and federal regulations can result in fines, or imprisonment. For more information on recycling this battery, call toll-free (877) 288-7722.



Problem	Possible Cause	Possible solution
Switch is ON, Power LED is lit AND Spotlight will not light.	Internal battery power is Low.	Turn switch OFF and using the battery status indicator, check for Low battery and if Low recharge the spotlight with either the AC or DC charging adapter provided.
	Power was interrupted to the spotlight while the bulb was hot.	A hot bulb may take up to 10 minutes to turn on following a power interruption. Turn switch OFF and wait 10 minutes for bulb to cool down before reusing the light
	AC or DC recharge adapter is plugged into the light	Turn switch OFF, unplug the recharge adapter and then turn the switch back ON.
	Spotlight needs to be manually reset.	Turn switch OFF wait 2s and turn the switch back ON. If problem persists return the spotlight to an authorized service center for repair.
	Spotlight is damaged.	Turn switch OFF and return the spotlight to an authorized service center for repair.
Unit will not recharge.	Vehicle ignition is not in Accessory position.	On some vehicles the ignition must be in the accessory position to supply power to the 12V receptacles. Turn the vehicle ignition to the accessory position and try charging the spotlight again.
	Poor DC plug connection	Check DC adapter plug is well connected and try recharging the light.
	DC recharge adapter is damaged	See an authorized service center to get a replacement DC recharge adapter.
	Poor 120V AC recharge adapter connection	Check that the adapter is well connected to the 120V AC outlet and to the light and try recharging the light.
	No power at the 120V AC outlet	Try another 120V AC powered device in the outlet to see if it has power. If it does not the 120V AC circuit breaker may need to be reset. Contact a certified electrician if you are not comfortable resetting the 120V AC branch circuit.



## **SPECIFICATIONS**

Spotlight: 6000 K 35 W Mh  
Input voltage: 12V  
Output power: 42w  
Input current: 3.5A

Batteries: 12V 7Ah SLA

AC Adapter: Output: 13.8V 750 mA  
Input: 120V/60Hz 25w

DC Adapter: 12 V

## **ONE YEAR LIMITED WARRANTY PROGRAM**

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Products, Inc., regarding this product. There is no other warranty, other than those described herein. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty.

This Vector Products, Inc. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for one year from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users. Manufacturer will not be responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connection. Misuse includes wiring or connecting to improper polarity power sources.

**RETURN/REPAIR POLICY:** Defective products may be returned to manufacturer. Any defective product that is returned to manufacturer within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than one year from the purchase date, manufacturer will repair the unit or, at its option, replace it, free of charge.

If the unit is repaired, new or reconditioned replacement parts may be used, at manufacturer's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items. During the warranty period, manufacturer will be responsible for the return shipping charges to the customer in the United States.

**LIMITATIONS:** This warranty does not cover accessories, such as charging adapters, bulbs, fuses and batteries, damage or defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department toll free at (800) 544-6986 for general repair information and charges if applicable.

**STATE LAW RIGHTS:** This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

**TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT:** Contact Technical Support by telephone, fax or mail (see below). We suggest that you keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

**WARRANTY ACTIVATION:** Please complete Warranty Activation Card and mail to Vector Products, Inc. Enter "SLH100V" as Model and "High Intensity Discharge Spotlight" as Product Type. All Vector Products, Inc. products must be registered within 30 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt, to:

ATTN.: CUSTOMER SERVICE  
4409 W. Wanda, McAllen, TX 78503  
• TOLL FREE: (800) 544-6986 • FAX: (956) 630-0492 •

WARRANTY IS NON-TRANSFERABLE.

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