20W HID Explosion Proof Search Light
C1D1 & C2D1 - 120-277VAC Stepped Down to 12V DC - 100' SOOW
Instruction Manual

Thank you for your purchase of the EPL-20W-HID-X12V-100 spotlight. Please follow the steps below in order to operate and maintain this handheld spotlight.

WARNING:

READ CAREFULLY BEFORE OPERATING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. CRITICAL SAFETY INSTRUCTIONS:

- **RISK OF Electric Shock** – To avoid electric shock, serious injury or death, be certain all electrical power is disconnected from the supply branch circuit conductors before installing or maintaining this fixture.
- Never place flashlight face down when light is on. Doing so could burn/ignite surfaces such as seats, carpeting, etc. and cause major property damage. Always turn spotlight off when not in use.
- Avoid direct eye exposure the light source when light is on. **DO NOT** shine light into the face of someone else.
- **DO NOT** touch lens of light when on or recently on. The lens/cooling fins will be hot after long periods.
- **DO NOT** allow children to handle or operate this flood light.
- **DO NOT** use this product for other than its intended use.
- **DO NOT** operate in close proximity of combustible or flammable materials.
- **DO NOT** attempt to operate this flood light if cord, plug, lens or any part of the flood light is damaged or corroded.

The EPL-20W-HID-X12V-100 is shipped with selected Cord Cap. Images shown may vary depending upon options selected.

When starting the flashlight for the first time (cold start), it is recommended that user allows HID to power up to full (40-60 seconds) before powering off again. This allows the lamp time to achieve a temperature hot enough to vaporize the additives and prevent deposits from forming on the inner arc chamber walls. When powering up, it is normal for the lamp to “flicker”, this is the result of the metal salts in the arc chamber vaporizing. You will also see a slight shade of red and blue. As the light comes to temperature the flickering will subside, the arc will stabilize, and the light output will increase. The light emitted from the flashlight is a higher Kelvin temperature (blue in color) than ordinary flashlights. Full light output occurs in 10-15 seconds. If momentary shut off of the light is needed you can instantly restart the light without worry of damage or cool down. It is suggested not to “flash” the light, as this will shorten run time and lamp life.

POWER

1. Run cord and plug transformer into compatible receptacle outputting voltage within range 120-277VAC

   Note: *There is no difference in light output between voltages.*

2. This light has a power switch and will illuminate once toggled.

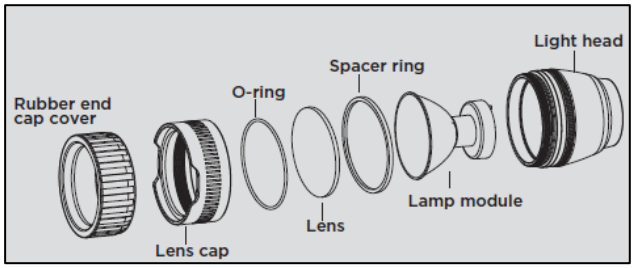


If spotlight does not illuminate, check switch, and/or power source.

Keep encapsulated inline transformer box closed during operation. It is not necessary to access the internals unless during maintenance or repair. Maintenance must be performed by a qualified electrician.

LAMP AND BALLAST REPLACEMENT

CAUTION NOTICE: Before replacing lamp, make sure the light is “OFF” for a minimum of 10 minutes or longer to ensure any stored power has dissipated, to avoid electric shock from stored energy in the ballast, and temperature of lens has cooled enough to avoid being burned from high temperature.



The lens cap has a “fine thread”. Grasp the lamp-head-housing (serrated edge behind lens protector), with one and while grasping the lens cap in the other, rotate the lens cap counter clockwise to

access the lamp. While removing the lens cap, be careful not to drop lens, spacer and lamp to avoid damage.

While installing the lamp module, inspect the rubber O-rings for chaffing or breakage, Replace if signs of wear. There is a plastic spacer between the lens and the outer reflector. The flat side faces the lens and the slotted side faces the reflector. Check the rubber seal under the clear lens for wear or breakage, replace if signs of wear. A dab of silicon lubricant or low mineral petroleum jelly should be used on the threads of the light head before replacing the lens cap. Be careful not to cross thread and DO NOT FORCE, or you will void your warranty and your light will be rendered inoperative.

MAINTENANCE

Check all seals to insure proper seating and all are in good condition, with no marks or dents. Replace all seals as necessary. Lubricate with silicon lubricant or low mineral petroleum jelly. A discoloration of the lamp reflector is normal on a new lamp. When this occurs, remove the lens cap and wipe reflector with soft lens cloth, be careful not to damage the lamp and ignition wire.

USE AND CARE

Unauthorized modification may impair the function and/or safety of the work light and could affect the life of the equipment. Always check damaged or worn out parts before using the work light. When work light is not in use, store it in a secure place out of the reach of children. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The EPL-20W-HID-X12V-GR50 is designed to provide years of reliable lighting performance. Should the need for replacement parts arise, please contact Larson Electronics at the contact information below.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.