Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

**HL-85-110V**

# 100W Halogen Handheld Spotlight - 110VAC - Spot/Flood Combo - 900' Beam - Lightweight

**Product ID: 48639**

**Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



**Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.**

**HL-85-110V Halogen Spotlight**
**Lamp Type: Halogen**
**Dimensions: 8W x 9"H**
**Weight: 13 Ounces**
**Total Watts: 100 Watts**
**Candlepower Rating: 5 Million CP**
**Lumens: 2100**
**Voltage: 110V AC**
**Amps: 0.91 Amps at 110 VAC**
**Wiring: 25 Foot Cord**

**Features**
Water Resistant
UV Resistant
Chemical Resistant

**Special Orders - Special Requirements**
Contact us for special requirements
**Toll Free: 1-800-369-6671**
**Intl: 1-903-270-1187**
**Fax: 1-903-498-3364**
**E-mail:** sales@larsonelectronics.com

**The HL-85-110V from Larson Electronics is a 100 Watt Halogen handheld spotlight that emits 1800 lumens. This spotlight produces a beam capable of expanding to 900 feet. This lightweight, ultra rugged, ergonomic spotlight operates on 110V AC wall plug in. Alternatively, the step down transformer can be removed and operator can run unit off a 12 volt system (with a 12 volt plug-in cord). This unit can be used as a spot or flood light and ships with a 25 foot cord, a 110VAC/12VDC step down transformer, and the 100W halogen handheld unit itself. Its ideal applications would include recreational boating, fishing, hunting, search and rescue and security and various other applications where a 110V AC powerful handheld spotlight is needed.**
The handle and lamp housing support of the HL-85-110V are made from high impact nylon. The polycarbonate lamp housing is thick and contoured for extra support. The 16

gauge internal wiring and connectors are simple and well constructed. The industrial grade, tungsten filament bulb is designed for 1200 hours of life while producing over 5 million candlepower in this configuration. The impact resistant polycarbonate lens is lightweight, shatter resistant and thermal resistant. The materials used in the construction of the HL-85-110V handheld spotlight are UV, water, impact and chemical resistant.



Click Photo to Enlarge

Click Photo to Enlarge



Click Photo to Enlarge

The reflector is uniquely shaped and shallow, capturing and focusing the light efficiently and effectively. Combined with a convex lens and inset lens positioning, this light optimally and efficiently captures and projects the right amount of light where the operator wants it. The position of the bulb and the shape of reflector are different than most handheld lighting products. The difference is in how much of the emitted light is captured and focused. In many ways, light shares the properties of water. With many spotlights, a great deal of the light "spills" on the ground around the light source. While a beam continues to project, much of the light "spills" out around the source, robbing the desired, projected beam of power. With the HL-85-110V spotlight configuration, 90% of the emitted light is captured and focused. A side benefit of this is a reduction of "casting", a phenomenon that occurs when the light "spills" around the light source. Often times, when surrounded by water, snow or other reflective surfaces, the light spillage will cause "casting" which effectively prevents the human eye from adjusting and seeing the objects at distance the spotlight was used to see.



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The operator can lift the locking tab behind the lamp housing and rotate the lamp head. Rotating the housing enables the operator to adjust the beam from a wide, soft flood pattern to a tight, spot beam that goes out to 900 feet. Continued rotation to the extreme disconnects the lamp head from the handle assembly, enabling the operator to replace the bulb when necessary.
The HL-85-110V is an ultra-durable handheld spotlight that weighs only 13 ounces, which makes it easy to carry and operate. The unit is balanced for ergonomic comfort and handling. The handle is 4.5 inches long, 1.5 inches deep and 5/8 inch thick, making it easy to hold, even in wet, slippery conditions. The nylon handle has a no-slip textured surface to improve grip as well. The booted push button is conveniently placed so the user can easily access the switch with their fore finger for quick on/off action.
A 3/8-16 inch brass nut fixture is imbedded in the base of the handle enabling the operator to mount a magnetic base, like our MM-2 or MM-5 to the light. Alternatively, the operator can tripod mount this light as well. It also comes equipped with a lanyard attachment at the top of the handle for users that want to secure the light in the event they lose their grip.

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5 inch lens




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7 inch lens (Optional)

We also now offer a 5 inch diameter and a 7 inch diameter lens. Although the difference is not significant, the 5 inch lens produces a tighter spot beam while the 7 inch lens produces a wider coverage flood pattern
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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# Frequently Asked Questions (FAQ)



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**HL-85-110V**

**Product ID: 48639**

**Harmonized System (HS) Code:** 9405.10.8020
**Export Control Classification Number (ECCN):** EAR99

**Options:**

**HL-85-110V-Lens Size**

**Example: HL-85-110V-5**

| Lens Size | |
|---|---|
| 5 | -5 |
| 7 | -7 |

Links (Click on the below items to view):

- **Catalog Page - Product Series**
- **Dimensional Drawing 2D**
- **DXF (2D CAD Model)**
- **Operations Manual**
- **SpecSheetSpanish**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**