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

ASX-20-S

Rechargeable HID Flashlight - 20 Watt HID - 1200 Lumen - 2200' Beam - 90 Minute Run-Time

Product ID: 47112

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.

Specifications / Additional Information

ASX-20-S

Lamp Type: XENIDE HID Bulb
Dimensions: 11.5 "-L
Watts: 20
HID Life Expectancy: 2500 hours
Lumens: 1200
Lighting Configuration: Spot
Materials: Aluminum Housing
Weight: 1.9lbs.

LUX: At 10 ft: 5,140

LUX: At the lens: 182,000
Charging Unit: 100/240VAC 50/60Hz w/overcharge protection, LED indicator

Lens Temp: 186 f

Head Temp: 90 f

Battery: 2600mAh Lithium Ion Battery

Approvals

Class 1, Division 1, Groups A, B, C, D
Class 1, Division 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups E, F, G
IP68 Waterproof to 3 Meters

Hazardous Location Classifications

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

Buy American Compliant
The Larson Electronics ASX-20-S Hazardous Location Approved flashlight

has a Class 1 Division 1 Groups A-D approval and contains an enhanced waterproof battery pack for longer run time on a single charge and greater protection against moisture intrusion. This HID flashlight produces a brilliant light beam capable of reaching over 2,500 feet, making it ideal for inspection and work activities where long range is important.

This HID flashlight features a 90 minute run time on a single charge of its waterproof 2600mAh Lithium Ion battery pack. A single 20 watt short arc Xenide HID bulb powered by an internal ballast produces a 1200 lumen beam capable of reaching up to 2,500 feet. This flashlight is IP68 rated waterproof, making it capable of withstanding submersion under pressure without damage. The beam on this light is a 12° spot configuration and is not adjustable. The HID bulb in this unit provides high power and efficiency as well as a 6500k color temperature, producing a powerful beam that is a brilliant white-blue in color. The durable aluminum body has a black anodized coating to provide durable protection for this units` internal electronics and an aesthetically pleasing appearance.

This flashlight has a single push button switch that allows easy one handed operation, which combined with its rugged construction and powerful beam, makes it a competent all around flashlight capable of serving in industrial, commercial, tactical and private applications with equal effectiveness. This HID flashlight includes a hard carrying case, waterproof battery and separate battery charging stand, AC charger (US/International compatible), and Rubber lens/end cap protector.



Click Photo to Enlarge



Click Photo to Enlarge

This hazardous location approved flashlight is UL Certified:
Class 1, Division 1, Groups A, B, C, D
Class 1, Division 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G

Class II, Division 2, Groups E, F, G

A brief note about High Intensity Discharge (HID) flashlights:

Incandescent flashlights have a bulb with a filament, much like the common household light bulb. A consistent amount of current is fed to the bulb. The filament glows and light and heat are produced. The filament glows because it is a poor conductor of electricity. Eventually the filament breaks due to vibration or diminished capacity. HID flashlights contain two electrodes and gases bounded by a glass bulb. A spark jumps across the electrodes igniting the gas. Initially, the amount of current required to ignite the gas is higher. Once the gas is lit, much less current is required to keep the gas burning.

A device called a ballast controls the amount of current sent to the bulb. HID flashlights use about 50% less energy than incandescent bulbs, which means longer battery life than halogen incandescent bulbs. More importantly, HID lights have no filament to break. Thus, the HID bulb life is around 2500 hours, compared to several hundred hours of the filament based incandescent bulb. The HID bulb is

more efficient, so it produces much more light with less energy over a long period of time. The trade off, however, is that the ballast that sends current to the bulb is an expensive addition, increasing the cost of the flashlight. The bulb itself is also significantly more expensive than halogen bulbs.

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

Frequently Asked Questions (FAQ)

ASX-20-S

Product ID: 47112

Harmonized System (HS) Code: 8512.20.2080
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **MSDS (Material Safety Data Sheet**
- **Operations Manual**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**