17W Rechargeable LED Flashlight
15W, 2000 Lumen Spotlight - 2W, 300 Lumen Floodlight
Instruction Manual

Warning:

Never place light face down when light is on. Doing so could burn/ignite surfaces such as seats, carpeting, etc. and cause major property damage. Always turn light 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 will be hot after long periods.
DO NOT allow children to handle or operate this light.
DO NOT use this product for anything other than its intended use.
DO NOT operate in close proximity of combustible or flammable materials.
DO NOT attempt to operate this light if cord, plug, battery, lens or any part of the light is damaged or corroded.

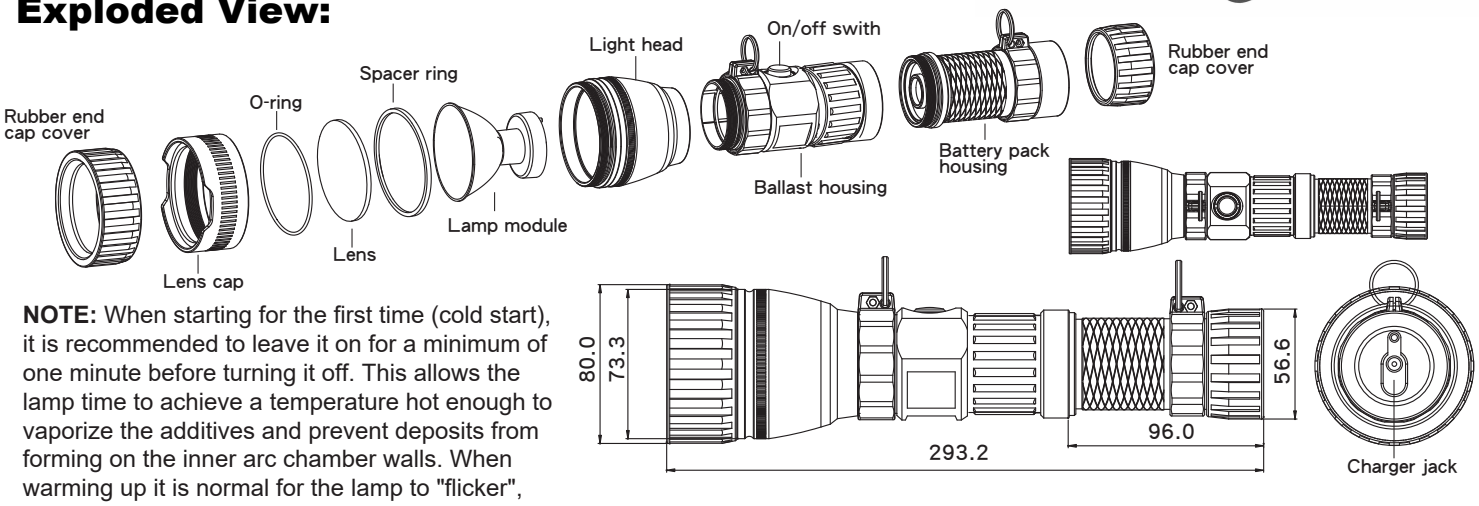
The AEX-20-LED-SA from Larson Electronics is a LED Light that is a powerful, portable flashlight that is designed for illumination in wet weather and dusty conditions. The battery-powered unit features a primary 15-watt spotlight (2000 lumens) and a secondary 2-watt floodlight located on the side (300 lumens) for a total light output of 2,300 lumens with a color temperature rating of 5,000 K. This heavy-duty luminary is dimmable and offers 5 hours of continuous use per charge. During emergency situations, the LED light doubles as an SOS strobe light via a built-in strobing feature. The AEX-20-LED-SA is a complete kit that includes the flashlight, hard carrying case, shoulder strap, wall charger, and vehicle charger.

Power and Battery

This light is powered by a 2,600 mA battery that is rechargeable via a docking station. The power cell is removable, but not required. Charging time to full capacity is 3.75 hours, while runtime in a fully charged state is 5 hours. The explosion proof LED flashlight features a lengthy operational lifespan of 50,000 + hours. This unit's wall charger is offered in the following voltage options: 120 V AC or 240 V AC, specified when ordering. A 12 V - 24 V vehicle charger is also included. The light is shipped with minimum charge on the lithium battery. It is necessary to condition and charge the battery before using your light for the first time.



Exploded View:



NOTE: When starting for the first time (cold start), it is recommended to leave it on for a minimum of one minute before turning it off. 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 warming 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.

Charging

- Turn light off before charging, and keep power off during charging.
- Open the rubber waterproof cover located at the bottom of the light (on end cap), connect the male jack of charger to the female receptacle. (Caution, use only the supplied chargers, do not use other chargers as this will cause battery failure, and cause the battery to overheat and possibly explode).
- Connect the charger plug to AC wall power or the DC power source (if DC charger is being used).
- Charging time will be approximately 3.75 hours to full capacity. When the charge is complete, (indicated by Green LED), unplug the charger from the power source, disconnect the battery jack from the flashlight, and replace the rubber cap of the female receptor (on end cap) to prevent the ingress of water.
- The optional battery charger stand may be used to charge a spare Lithium Battery with either the AC or DC battery chargers.
- While charger is not in use disconnect the power supply. Do not leave the battery on the charger past full charge indication. Overcharge can shorten the lifespan of the battery.

Battery Replacement

- To remove the battery, turn off the power, carefully rotate the battery counter clockwise away from the ballast housing.
- To replace the battery, be careful to line up the battery with the ballast and rotate the battery clockwise on to the ballast housing, be careful not to cross thread. Tighten snugly, DO NOT FORCE OR OVER TIGHTEN as damage will occur and you will void any warranty you may have.
  Note:
  While replacing the battery, please make sure that your flashlight is in the "OFF" position, otherwise damage can result to the lithium battery, electronic ballast and electrical connection between ballast and lamp. Batteries can be charged and discharged for hundred of times. When a noticeable drop in battery performance occurs it is time to replace the battery module. We recommend you change the battery once a year depending on usage. Shorter durations may be necessary with extensive use of the light. Do not short circuit the battery. A short circuit will occur when the two electrodes on either end of the battery come in contact with each other by metal (such as coins, clips, pens, keys or necklaces, etc). This will cause damage and burnouts.

Lamp and Ballast Replacement

- 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 hand 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 any warranty you may have and your light will be rendered inoperative.

Overcharge Notice

When turning on your light for the first time after a full recharge, and it does not ignite properly, reconnect the male jack of AC charger to the female receptacle of the flashlight and plug the charger into AC power source and rapidly press the on/off switch until the light ignites. Turn off the light and disconnect the charger. These procedures need to be followed when the light is in an overcharge condition caused when left on the charger past a full charge indication. A safety circuit is built into the battery to protect from overcharging the Lithium Ion battery.

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.