

- 56048 Headlamp
- Headlamp bracket with adjustable fabric strap
- 15' (381 mm) Micro USB Cable
- Instruction Sheet

GENERAL SPECIFICATIONS

- **Dimensions:** 2.25" x 3.125" x 1.375"
(57.2 mm x 79.4 mm x 34.9 mm)
- **Weight (headlamp only):** 2.96 oz. (84 g)
- **Battery Type:** Internal, Lithium polymer, 3.7V / 1800mAh
- **Battery Life:** 22 hours in Flood/Low mode,
12 hours in Spot/High mode
4 hours in All-On/Boost mode
- **Charging Requirements:** Maximum 5V DC, Minimum 0.5A
- **Certifications:** BC, CE, NR Can, REACH, RoHS
- **Operating/Charging Temperature:** 32°F to 113°F (0°C to 45°C)
- **Storage Temperature:** 14°F to 131°F (-10°C to 55°C)
- **Drop Protection:** 6 ft. (1.83 m)
- **Ingress Protection (IP) Rating:** IP54

Specifications subject to change.

⚠ WARNINGS

Read, understand, and follow these instructions to ensure safe operation. Failure to observe these warnings can result in risk of fire or electric shock.

- Keep these instructions for future reference.
- No user-serviceable parts inside. Do not open enclosure or attempt to repair this headlamp.
- Never lubricate any part of this headlamp.
- Do not expose to direct sunlight, open flame, heat sources, equipment that produces heat, or extremes in environmental temperature.
- Never immerse in water or other liquids. Avoid spilling liquids or falling foreign objects into openings on the headlamp enclosure.
- Water-resistant cover must be properly sealed to achieve specified water & foreign object ingress protection. Keep seal free of dirt, oil, sand, or other material that interferes with proper sealing. Failure to do so can result in risk of fire or electric shock.
- Do not open water-resistant cover if wet or in a wet environment. Dry the headlamp thoroughly and the seal around water-resistant cover completely before opening water-resistant cover.
- When headlamp is in use or charging, make sure there is adequate space to allow ventilation of internally-generated heat.
- Use safety-rated power supply or wall adapter. Never use power supply or wall adapter that exceeds the specified charging voltage and current.
- Route the power supply cable so that it will not be stepped on or pinched by other objects.

FEATURE DETAILS (FIG. A)

- | | |
|----------------------------|----------------------------------|
| ① Power button | ⑦ Spotlight/High |
| ② Battery level indicator | ⑧ Floodlight/Low |
| ③ Light sensor | ⑨ Lever for removal from bracket |
| ④ Charging port cover | ⑩ Headlamp bracket |
| ⑤ USB charging port | ⑪ Fabric strap |
| ⑥ Micro-USB charging cable | ⑫ Strap adjustment buckle |

SYMBOLS ON PRODUCT (FIG. B)

- ⚠ Warning or Caution
- ⚡ Risk of Electrical Shock
- CE Conformance Européenne. Conforms with European Economic Area directives
- WEEE – Battery disposal
- BC Conforms with BCS regulations of California Energy Commission
- DC Direct Current (DC)
- ℹ Read Instructions
- ♻ Recycle

MAINTENANCE

CLEANING: Be sure headlamp is turned off and wipe with a clean, dry lint-free cloth. **Do not use abrasive cleaners or solvents.**

STORAGE: If the headlamp is to be left unused for an extended period of time, charge to approximately 70% (red, yellow, and one green) before storing, and recharge periodically during storage to maintain battery's charging capacity.

DISPOSAL / RECYCLE



Do not place equipment and its accessories in the trash. Items must be properly disposed of in accordance with local regulations. Please see www.epa.gov or www.eecycle.org for additional information.

OPERATING INSTRUCTIONS

PLEASE SEE REVERSE SIDE.

Rechargeable Headlamp - Instructions



FIG. A FRONT / FRENTE / AVANT



FIG. B BACK / ESPALDA / RETOUR



CHARGING BATTERY

⚠ *Fully charge headlamp before use. First-time charge should be at least 6 hours.*

Connect micro USB cable connection to headlamp, plug the other end of cable into USB port (2.0 or higher), or AC adapter (not included). USB adapter/power supply should not exceed the specified charging voltage and current (Max. 5.0V DC, min. 0.5A). Normal charging time is approximately 5 hours.

BATTERY LEVEL INDICATOR ②:

Press and hold the power button ① to check battery level (do not hold down for more than 5 seconds):

- Four lights on (red, yellow, green, green), unit has 75% to 99% battery charge
- Three lights on (red, yellow, green), unit has 50% to 74% battery charge
- Two lights on (red, yellow), unit has 25% to 49% battery charge
- One light on (red), unit has 15% to 24% battery charge
- Flashing (red) battery indicator, less than 15% battery charge
- Spot or Flood light flashes 5 times, less than 15% battery charge remains.
- No LED lights, battery is fully discharged. Must leave unit plugged in to charge for a minimum of 6 hours. If the unit is fully discharged, the battery indicator may not light up immediately when charge adapter is inserted.

ON/OFF:

Pressing the power button ① will show battery level, releasing the button will turn on the light:

- Press and release the power button once to turn the Spotlight/High ⑦ on
- Press and release the power button again to turn the Floodlight/Low ⑧ on (the spotlight will turn off)
- Press and release the power button a third time to turn the lights All-On/Boost ⑦ and ⑧
- Press and release the power button a fourth time to turn the unit off.
- If the unit is on in any mode (High, Low, Boost) for more than 5 seconds, the next button press and release will turn the unit off.

AUTO-OFF MODE:

The unit arrives with Auto-Off activated. The light sensor ③ located on top of the headlamp will automatically shut the unit off if it senses bright light for 3 continuous minutes:

- To deactivate Auto-Off, depress and hold the power button for 10 seconds. The battery indicator will flash the red and yellow LEDs indicating Auto-Off has been deactivated. This mode is saved until you reactivate it.
- To reactivate Auto-Off, depress and hold the power button for 10 seconds. The battery indicator will flash the green LEDs indicating Auto-Off has been reactivated. This mode is saved until you deactivate it.

REMOVAL AND REINSERTION OF THE HEADLAMP ONTO THE BRACKET ⑩:

The headlamp can be removed for charging:

- Pull the lever ⑨ above the headlamp toward the power button and lift the headlamp from the bracket
- To reinsert the headlamp, align the slot on the back of the headlamp with the slot on the bracket and push the headlamp down until it clicks in place

FABRIC STRAP ⑪:

The fabric strap is designed to fit on a standard hardhat or directly on the head. Silicone is weaved into the fabric strap to make it securely stay on the head or hardhat. The strap is adjustable for larger and smaller diameters.