

ENGLISH

CONTENTS

- 60156 Headlamp
- 3× AAA alkaline batteries
- 2.5 mm hex key

GENERAL SPECIFICATIONS

- **Dimensions:** 3.31"x2.44"x1.89" 84.1 × 61.9 × 48.0 mm
- **Weight (batteries installed):** 5.9 oz. (168 g)
- **Battery Type:** 3× AAA, 1.5V (Alkaline)
- **Batteries Certified For Use With This Headlamp:**
 - Energizer® E92
 - Duracell® MN2400
 - Panasonic® AAA LR03
- **Battery Life: Low Mode (75 Lumens):** 12 hours,
High Mode (216 Lumens): 5 hours
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature:** 14°F to 131°F (-10°C to 55°C)
- **Drop Protection:** 6.6 ft. (2 m)
- **Ingress Protection (IP) Rating:** IP67
- **Standards:** UL 913 7th Edition (US and Canada), CSA 22.2 No.157-92, Reaffirmed 2012, CLASS I, DIV 1&2, GRP ABCD; CLASS II, DIV 1&2, GRP EFG; CLASS III, TEMP CODE: T4. File number: E516235.

Specifications subject to change.

*Energizer® is a registered trademark of Energizer Brands, LLC.
Duracell® is a registered trademark of Duracell U.S. Operations, Inc.
Panasonic® is a registered trademark of Panasonic Corporation.*

⚠ WARNINGS

This intrinsically safe product is tested to standards listed. It provides limited protection under these tested standards. Understand the variety and duration of environments the product will be exposed to. The user must consult and get approval from their safety supervisor before using this product.

Read, understand, and follow these instructions to ensure safe operation. Failure to observe these warnings can result in injury or even death. The headlamp is specifically designed to be used on Klein Tools hard hats and safety helmets only. Keep these instructions for future reference.

- **⚠WARNING:** DO NOT place this headlamp on any equipment that generates heat, open flame, corrosive liquids, unknown fumes, and vibrations that could damage the headlamp housing and its components.
- **⚠WARNING:** DO NOT change batteries in hazardous locations.
- **⚠WARNING:** To reduce risk of explosion, DO NOT mix old and new batteries, different brands of batteries, or different types of batteries. Replace ALL the batteries together.
- **⚠WARNING:** DO NOT use rechargeable AAA batteries of any kind - Use standard one-time use Alkaline batteries.
- **⚠WARNING:** Remove the batteries when the headlamp is unused for a long period of time to prevent battery leakage in the device.
- **⚠WARNING:** DO NOT attempt to repair or modify this headlamp. There are no user-serviceable parts.
- **⚠WARNING:** Substitution of components may impair intrinsic safety.
- **⚠WARNING:** DO NOT expose to prolonged direct sunlight or extreme environmental temperature during operation or in storage, beyond product specification.
- **⚠WARNING:** Avoid spilling liquids or exposing to dusty environments on a regular basis-Ingress protection design is to help minimize risk. The user needs to take proper steps to maintain the headlamp to ensure maximum ingress protection.
- **⚠WARNING:** DO NOT use this product for recreational or sport use.
- **⚠WARNING:** DO NOT point this light directly at another person's eyes.
- **⚠WARNING:** Always use the device following the regulations of each country.
- **⚠WARNING:** Clean the flashlight only with damp cloth to avoid static electricity.



60156

Intrinsically Safe LED Headlamp - Instructions

FIG. A



FIG. B

KLEIN TOOLS MODEL NO. 60156

FLASHLIGHT MODEL 60156 FOR USE IN HAZARDOUS LOCATIONS. ONLY AS TO INTRINSIC SAFETY

CLASSIFIED CLASS I DIV I GRP ABCD CLASS II DIV I GRP EFG CLASS III TEMP CODE T4 IP67

UL 42CR E516235 **Exia** 3 X 1.5V AAA SIZE

WARNING - DO NOT OPEN IN HAZARDOUS LOCATIONS. READ MANUAL BEFORE USE.

www.kleintools.com

FIG. C

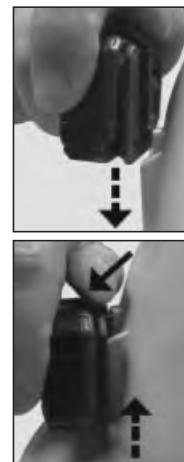


FIG. D



ENGLISH**FEATURE DETAILS (FIG. A)**

- ① On/Off, High/Low-power button
- ② Spotlight LED
- ③ Pressure relief valve
- ④ Release tab
- ⑤ Pivoting attachment bracket
- ⑥ Battery cover screw (×4)
- ⑦ 2.5 mm hex key

SYMBOLS ON PRODUCT (FIG. B)**Warning or Caution****Read Instructions****This product has been independently tested by UL and meets applicable published standards****Explosion Intrinsic Safety****Battery Polarity****MAINTENANCE****INSPECTION**

Inspect daily, before and after use. Dispose of the entire headlamp assembly immediately if cracks, rips, gouges, deep scratches, discoloration, deformation, melted/burnt housing are seen on ANY part of the headlamp. *DO NOT attempt to repair or modify this headlamp.*

CLEANING

Be sure flashlight is turned off. Clean the flashlight only with damp cloth to avoid static electricity. **DO NOT use abrasive cleaners or solvents.**

STORAGE

Store in cool, dry, location away from sunlight, caustic conditions, fluctuating temperature extremes, and vibrations. If storing for a lengthy period of time, remove batteries prior to placing in storage. **DO NOT** store batteries and headlamp close together.

**OPERATING INSTRUCTIONS (FIG. C)**

1. Install headlamp on hard hat by mounting the pivot bracket onto the front or rear Klein Tools accessory slot. Slide in the headlamp until it clicks in place.
2. Push the On/Off, High/Low-power button ① once to turn on High (216 lumens) then again to Low (75 Lumens). (NOTE: Both settings are Spotlight only). Press again to turn off.
3. Remove headlamp by pushing the release tab ④ forward and pulling the headlamp up.

BATTERY REPLACEMENT (FIG. D)

⚠ WARNING: Before opening the battery compartment make sure you are in a safe environment away from any explosive or volatile fumes, liquids, gases, or fine airborne particulate.

NOTE: It is advisable to replace batteries regularly, especially if there are noticeable signs of degradation of light output, runtime or intermittent behavior. Aging alkaline batteries can leak and begin to degrade the internal components of the headlamp.

1. Unscrew the four screws ⑥ on the back of headlamp body using the hex key ⑦ provided. **NOTE:** It helps to hold the headlamp downwards to ensure the screws stay in the battery cover.

⚠ WARNING: If a screw is lost, **DO NOT** use any other type of screw or other fastening method such as glue or tape. Intrinsic functionality will be compromised. **REPLACE HEADLAMP IMMEDIATELY.**
2. Install new batteries. **DO NOT** mix and match old and new or different branded batteries.
3. Place the battery cover down on the headlamp housing and hold firmly. Install and tighten all 4 screws. **DO NOT OVERTIGHTEN.**
4. Inspect the gap between the headlamp housing and battery cover, ensure it is even all the way around the headlamp as shown. If the gap is not even, remove any debris that may be preventing an even gap.

⚠ CAUTION: If the battery housing itself is damaged, **DO NOT** attempt to fix. **REPLACE HEADLAMP IMMEDIATELY.**
5. Test headlamp to ensure proper operation.