KSE-LIGHTS KS-8810

KSE-LIGHTS KS-8810 LED Lamp User Manual

Model: KS-8810 | Brand: KSE-LIGHTS

1. INTRODUCTION

The KSE-LIGHTS KS-8810 is a robust, handheld LED lamp designed for use in potentially explosive atmospheres. It is an essential tool for professionals in fire and rescue services, industrial settings, and other specialized applications where safety and reliable illumination are paramount. This manual provides detailed instructions for the safe and effective use, maintenance, and troubleshooting of your KS-8810 lamp.

Figure 1.1: The KSE-LIGHTS KS-8810 LED Lamp. This image shows the yellow body of the flashlight with the KSE-LIGHTS logo, black rubberized head, and the clear lens of the LED light source.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **ATEX Certification:** This lamp is ATEX certified for Zone 0 (II 1G Ex ia IIC T4 & Ex ia IIC T4 Ga), meaning it is approved for use in areas where explosive gas atmospheres are present continuously or for long periods. Always ensure the lamp's certification matches the requirements of your operating environment.
- **Battery Safety:** Use only specified AA alkaline batteries. Do not mix old and new batteries, or different types of batteries. Do not expose batteries to excessive heat or fire. Do not short-circuit batteries.
- **Environmental Conditions:** The lamp is IP68 rated and waterproof up to 3 meters. However, avoid prolonged submersion beyond specified limits. Do not operate the lamp if it appears damaged.
- **Maintenance:** Any maintenance or repair should only be performed by qualified personnel. Unauthorized modifications can compromise safety and void the ATEX certification.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x KSE-LIGHTS KS-8810 Handheld Lamp
- 1 x User Manual (this document)

Batteries are not included and must be purchased separately.

4. SETUP

4.1 Battery Installation

1. Ensure the lamp is turned off.
2. Unscrew the rear cap of the lamp by turning it counter-clockwise.
3. Insert four (4) AA alkaline batteries into the battery compartment, observing the correct polarity (+/-) as indicated inside the compartment.
4. Carefully screw the rear cap back on clockwise until it is securely tightened. Ensure the O-ring seal is properly seated to maintain the lamp's waterproof integrity.
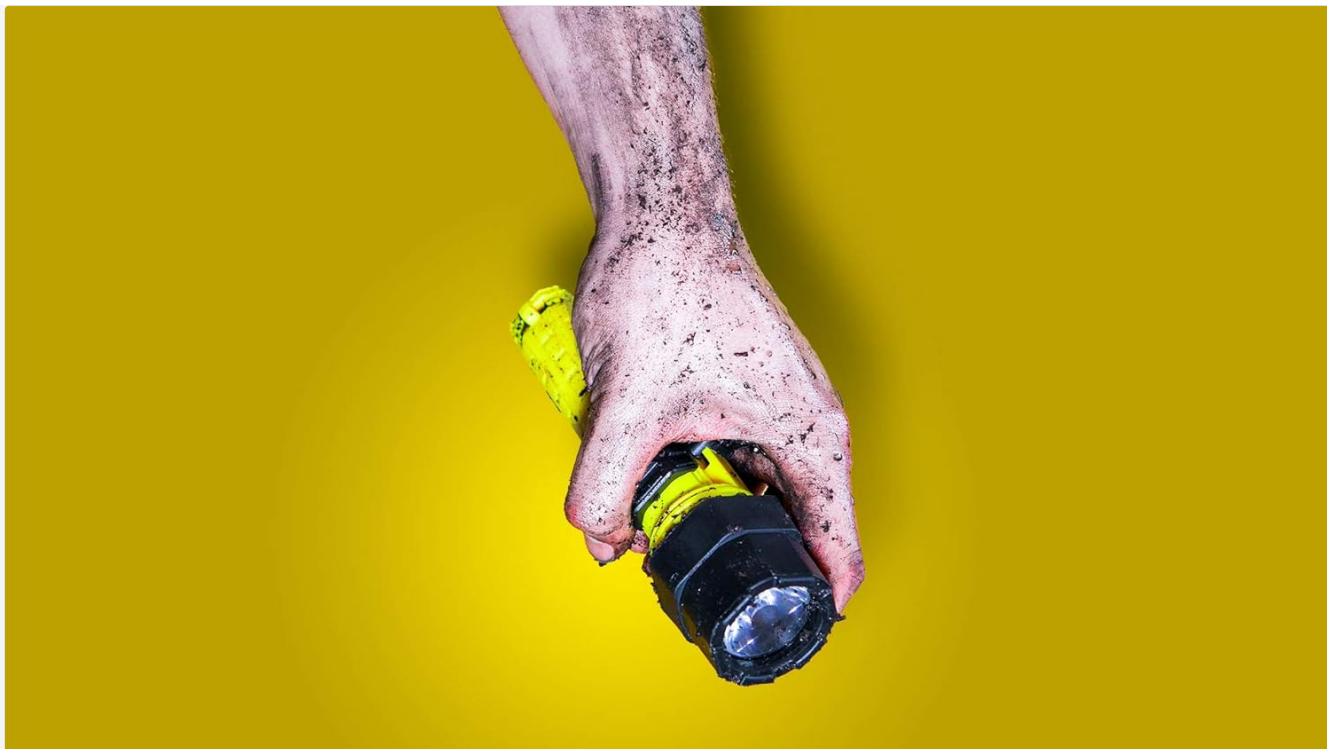
Figure 4.1: Proper grip for handling the KSE-LIGHTS KS-8810 LED Lamp. This image shows a hand, possibly gloved and soiled, firmly grasping the yellow body of the flashlight, demonstrating its ergonomic design for practical use.

5. OPERATING INSTRUCTIONS

The KS-8810 features a wear-free magnetic on/off switch and offers three distinct light modes.

5.1 Turning On/Off and Changing Modes

1. **To Turn On:** Press the magnetic switch located on the side of the lamp. The lamp will activate in the default Strong Light mode.

2. **To Change Light Modes:** Briefly press the magnetic switch again to cycle through the available modes: Strong Light > Work Light > Flashing Light.

3. **To Turn Off:** Press the magnetic switch once more after cycling through all modes, or hold the switch for approximately 2 seconds from any mode.

The precision lens ensures ideal and homogeneous light distribution across all modes.

6. MAINTENANCE

6.1 Cleaning

Wipe the lamp's exterior with a damp cloth. Do not use abrasive cleaners or solvents, as these may damage the housing or seals. Ensure the lens is clean for optimal light output.

6.2 Battery Replacement

Replace all four AA batteries simultaneously when the light output diminishes significantly. Refer to Section 4.1 for battery installation instructions. Always dispose of used batteries according to local regulations.

6.3 Storage

If the lamp will not be used for an extended period, remove the batteries to prevent leakage and corrosion. Store the lamp in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lamp does not turn on.	Dead or incorrectly installed batteries.	Replace batteries, ensuring correct polarity.
Light output is dim.	Low battery power.	Replace batteries.
Lamp flickers.	Loose battery connection or low battery power.	Check battery installation; replace batteries if necessary. Ensure end cap is tightly secured.
Water inside the lamp.	Improperly sealed end cap or damaged O-ring.	Immediately remove batteries. Dry the interior thoroughly. Check O-ring for damage and proper seating. If damage persists, contact support.

If the problem persists after attempting these solutions, please contact KSE-LIGHTS customer support.
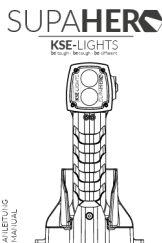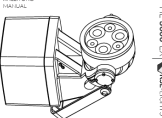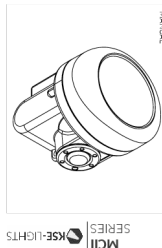
8. SPECIFICATIONS

Model Number	KS-8810
Brand	KSE-LIGHTS
Dimensions (L x W x H)	20 x 7 x 6 cm
Weight	140 grams
Power Source	Battery Powered (4 x AA Alkaline batteries, not included)
Voltage	6 Volts
Bulb Type	LED
Luminous Flux	Up to 180 lumens (Strong Light mode)
Run Time	Up to 30 hours
Material	Aluminum
Color	Yellow

Protection Rating	IP68 (Waterproof up to 3 meters)
ATEX Certification	II 1G Ex ia IIC T4 & Ex ia IIC T4 Ga (Zone 0)

9. WARRANTY AND SUPPORT

Information regarding the product warranty and specific customer support contact details is not provided within this manual. For warranty claims or technical assistance, please refer to the product packaging, the point of purchase, or the official KSE-LIGHTS website.

Related Documents - KS-8810

	KSE-LIGHTS SUPAHERO Hand Lamp User Manual and Charger Guide Comprehensive user manual for the KSE-LIGHTS SUPAHERO Hand Lamp series (KS-8001, KS-6901 variants) and associated chargers (KS-5800, KS-5810, KS-5836), including safety information, first use instructions, operation, troubleshooting, battery replacement, wall mount installation, and ATEX/IECEx conformity details.
	KSE-LIGHTS KS-9900 Industrial Flashlight User Manual User manual for the KSE-LIGHTS KS-9900 Industrial Flashlight, detailing its features, specifications, safety warnings, certifications (ATEX, IECEx, UL), and battery replacement instructions for use in hazardous locations.
	KSE-LIGHTS HL-3000-EX LED Hand Lamp: Features, Operation, and Safety Detailed user manual for the KSE-LIGHTS HL-3000-EX LED hand lamp. Covers product features, performance characteristics, operating instructions, safety precautions, ATEX compliance, and charger information. Ideal for industrial inspections, search and rescue, and hazardous environments.
	KSE-LIGHTS MCII Series LED Cap Lamp - User Manual & Specifications Comprehensive user manual and technical specifications for the KSE-LIGHTS MCII Series LED Cap Lamp (KS-7620-MCII, KS-7630-MCII), including safety, operation, charging, and compliance information.

	[KSE-LIGHTS MCII Series Cap Lamp User Manual and Specifications](#) Comprehensive guide for the KSE-LIGHTS MCII Series Cap Lamp (KS-7620-MCII PERFORMANCE, KS-7630-MCII POWER), covering features, first use, safety instructions, troubleshooting, and technical specifications. Includes ATEX and EMC compliance information.
	[KSE-LIGHTS HL-1000-EX Explosion-Proof Hand Lamp User Manual](#) Comprehensive user manual and technical specifications for the KSE-LIGHTS HL-1000-EX explosion-proof LED hand lamp. Covers features, safety guidelines, technical parameters, maintenance, and charger usage for hazardous environments.