

H10 LED Work Light

User Manual

Model: H10

Kemotronics

Industrial LED Lighting Solutions

1. PRODUCT OVERVIEW

The H10 is an industrial-grade LED work light designed for CNC machines, lathes, milling machines, and other industrial equipment. It features an embedded inlay mounting design, IP68 waterproof and dustproof protection, and dual voltage compatibility (AC220V or DC24V). Available in 14W and 20W power options. The aluminum alloy housing with tempered glass faceplate ensures reliable operation in harsh machining environments.

2. TECHNICAL SPECIFICATIONS

Model	H10
Power	14W / 20W (select when ordering)
Voltage	AC220V 50/60Hz or DC24V
Light Color	Cool White (Positive White)
Material	Aluminum Alloy + Tempered Glass
Protection Rating	IP68
LED Chip	Imported Industrial-Grade
LED Lifespan	50,000+ Hours
Total Length	330mm / 530mm (option)
Luminous Surface	257mm (330mm) / 457mm (530mm)
Height	100mm
Thickness	32mm
Housing Color	Silver
Installation	Embedded Inlay Mounting
Operating Temp	-20°C ~ +50°C

3. PACKAGE CONTENTS

- 1 x H10 LED Work Light (with pre-attached power cable)
- 1 x Mounting Clips Set
- 1 x Mounting Screws
- 1 x User Manual

4. INSTALLATION INSTRUCTIONS

Step 1: Confirm the voltage and power (14W/20W) of your power supply matches the light.

Step 2: Cut an opening in the machine panel according to the light dimensions.

Step 3: Insert the light body into the opening from the front side.

Step 4: Secure using the provided spring-loaded mounting clips from the rear side.

Step 5: Connect the power cable. DC24V: red=+, black=-. AC220V: L=brown, N=blue, PE=yellow-green.

5. WIRING DIAGRAM

Connection	DC24V Version	AC220V Version
Live / Positive	Red Wire (+24V)	Brown Wire (L)
Neutral / Negative	Black Wire (0V/GND)	Blue Wire (N)
Ground	N/A	Yellow-Green Wire (PE)

6. MAINTENANCE AND CARE

- Clean the tempered glass surface regularly with a soft, damp cloth.
 - Do not use abrasive cleaners or solvents.
 - Check mounting clips periodically for tightness.
 - Inspect the power cable for damage before each use.
- The LED source is non-replaceable. Replace the entire unit on failure.

7. SAFETY WARNINGS

- ☐ Disconnect power before installation, maintenance, or cleaning.
- ☐ Ensure the rated voltage matches the power supply before connecting.
 - ☐ Do not disassemble or modify the light.
- ☐ The IP68 rating applies to the light body; connector must also be sealed.
 - ☐ Do not operate outside -20°C to +50°C.
- ☐ Professional installation recommended for AC220V models.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	No power / wrong voltage	Check supply & cable. Verify voltage.
Light flickers	Loose connection	Check connections. Stabilize supply.
Dim output	Dirty glass / LED end of life	Clean glass. Replace unit if needed.
Water ingress	Seal compromised	Check seal. Reinstall with sealing.

9. WARRANTY POLICY

This product is covered by a 1-year warranty against manufacturing defects in materials and workmanship.

The warranty covers replacement or repair of defective units. It does not cover damage from improper installation, misuse, unauthorized modification, or normal wear and tear.

10. AFTER-SALES SERVICE

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