

# FINGER LIGHT



Instructions For Use



# INSTRUCTION MANUAL

## LED HAND ILLUMINATOR



616 Hollywood Avenue, Cherry Hill, NJ 08002 USA | 1-800-333-3131  
 Werner-von-Siemens Str. 14a - 78224 Singen - Germany | +49 7731 912101  
 www.keystoneind.com | sales@keystoneind.com

**Mod. ET-Light™**

**Serial (S/N)**  
(see CE label)



**EN**

### ORIGINAL INSTRUCTIONS



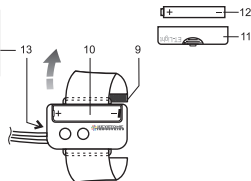
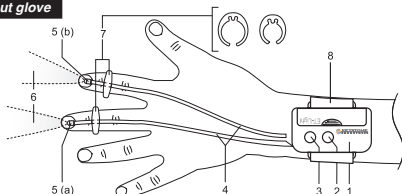
Item #	Issue	Revision
#8001235	13.01.11	00



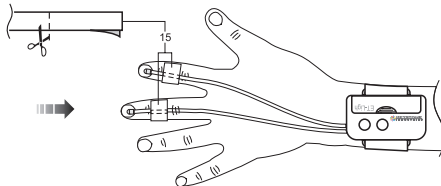
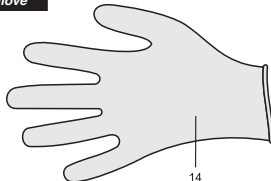
BEFORE USING THE DEVICE IT IS REQUIRED TO READ AND UNDERSTAND ALL PARTS OF THE PRESENT MANUAL. IT IS AN INTEGRAL PART OF THE DEVICE AND MUST BE RETAINED FOR FUTURE REFERENCE UNTIL DISPOSAL OF THE SAME. THIS MANUAL REFLECTS THE TECHNICAL KNOWLEDGE AVAILABLE AT THE TIME THE DEVICE WAS SOLD AND CANNOT BE CONSIDERED INADEQUATE SIMPLY BECAUSE UPDATED AT A LATER TIME ON THE BASIS OF NEW EXPERIENCE. THE MANUFACTURER DISCLAIMS ANY LIABILITY FOR INJURIES CAUSED TO PERSONS, ANIMALS AND OBJECTS RESULTING FROM FAILURE TO OBSERVE INSTRUCTIONS AND WARNINGS DESCRIBED HEREIN.

### Use without glove

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### Use with glove



### DESCRIPTION OF THE COMPONENTS

- |                  |                               |
|------------------|-------------------------------|
| 1) Control box   | 9) Velcro strap               |
| 2) "OFF" button  | 10) Battery compartment       |
| 3) "ON" button   | 11) Battery compartment cover |
| 4) LED wires     | 12) Pencil battery            |
| 5) LED 1-2 (a-b) | 13) CE mark                   |
| 6) Luminous flux | 14) Latex or nitrile gloves   |
| 7) Wire clamps   | 15) Adhesive strip            |
| 8) Wrist strap   |                               |

### TECHNICAL DATA

Pencil battery	AAA 1, 5 V
Room temperature	-10°C ÷ +40°C
Humidity (lack of condensation)	95%
Protection level	IP 40

### DELIVERY CONTENTS

- n.1 Device/n.2 Pencil battery  
 n.1 Wrist strap/n.2 Wire clamps  
 n.1 Adhesive tape (to be cut to measure)  
 n.1 Instruction manual

### HELP

Should you require any help kindly contact the manufacturer or the authorized reseller only.

(continued)

### INTENDED USE

The device consisting of the components described and shown in the illustration, was designed and manufactured exclusively to illuminate work areas close to hand (on which the device is fixed) that require artificial illumination.

### INAPPROPRIATE, REASONABLY FORSEEABLE USE

In order to ensure safe use of the device any other use than the one described above is prohibited.

### SAFETY WARNINGS

- THE DEVICE IS NOT A TOY: KEEP IT OUT OF THE REACH OF CHILDREN;
- DO NOT USE THE DEVICE IN ENVIRONMENTS WITH DIFFERENT CHARACTERISTICS THEN THOSE LISTED IN THE TECHNICAL DATA;
- DO NOT SUBMERSE THE DEVICE IN LIQUIDS AND KEEP IT AWAY FROM SPLASHES DURING USE;
- DO NOT USE THE DEVICE UNLESS IT IS PROPERLY FIXED (AS SHOWN IN THE ILLUSTRATION);
- DO NOT USE THE DEVICE TO ILLUMINATE ROOMS;
- DO NOT POINT LED LAMPS DIRECTLY TOWARDS THE EYES;
- DO NOT TAMPER WITH ANY COMPONENT OF THE DEVICE;
- DO NOT USE THE DEVICE WITH GLOVES THAT ARE NOT INTACT.

### ASSEMBLY (Battery replacement)

Fix the device properly on the hand as follows (see illustration):

#### FIXING THE BATTERY:

- 1) Open the battery compartment cover (Ref. 11);
- 2) Insert the battery supplied (Ref. 12) into the battery compartment (Ref. 10) observing the polarities as indicated;
- 3) Close the battery compartment (Ref. 11).

#### FIXING THE CONTROL BOX:

- 1) Position the control box (Ref. 1) on your wrist;
- 2) Adjust the position of the wrist strap (Ref. 8) and fix it with the Velcro strip (Ref. 9);

#### FIXATION WITHOUT USING THE GLOVE:

- 1) Insert the LED wires (Ref. 4) in the recesses at the inside of the two wire clamps (Ref. 7);
- 2) Slip the two wire clamps (Ref. 7) onto your fingers (index and middle finger);
- 3) Adjust the proper position of the LED wires (Ref. 4) so that the LEDs 1-2 (Ref. 5 a-b) are at the end of the finger.

#### FIXATION USING THE GLOVE:

- 1) Cut two pieces of adhesive tape (Ref. 15) of ideal length (circumstance of the fingers);
- 2) Adjust the proper position of the LED wires (Ref. 4) and fix them to the fingers (index and middle finger) using the two pieces of adhesive tape;
- 3) Put a new latex or nitrile glove on your hand in accordance with the use (Ref. 14).

**N.B. To replace the battery carry out steps 1) - 3). Dispose of the battery in accordance with the guidelines in chapter.**

### USE WITHOUT GLOVE

After having fixed the device it is possible to use it as follows (see illustration):

- 1) Switch on the LED 1-2 (Ref. 5) by pressing the "ON" button (Ref. 3);
- 2) Direct the luminous flux (Ref. 6) to the work area to be illuminated;
- 3) After finishing your work switch off the LEDs 1-2 (Ref. 5) by pressing the "OFF" button (Ref. 2);
- 4) Remove the device from your hand.

### USE WITH GLOVE

#### **IF I HKM GMP : KGG@**

TO BE USED ONLY AND EXCLUSIVELY WITH LATEX OR NITRILE GLOVES CLASSIFIED AS MEDICAL EQUIPMENT (CE MARK). THE DEVICE IS TO BE CONSIDERED AS A CLASS I MEDICAL DEVICE AS PER REGULATION 12 OF DIRECTIVE 93/42/EEC. AS WELL AS MODIFIED DIRECTIVE 2007/47/EC.

After having fixed the device it is possible to use it as follows (see illustration):

- 1) Switch on the LED 1-2 (Ref. 5) by pressing the "ON" button (Ref. 3);
- 2) Direct the luminous flux (Ref. 6) to the work area to be illuminated;
- 3) After finishing your work switch off the LEDs 1-2 (Ref. 5) by pressing the "OFF" button (Ref. 2)
- 4) Take off the glove and dispose of it in an appropriate container;
- 5) Remove the device from your hand.

### WARRANTY

The warranty is valid for 12 (twelve) months after the date of purchase and becomes void if the device is not used properly and/or not in accordance with the instructions and warnings described in the manual. The manufacturer does not assume any liability for damages resulting from failure, or partial operation resulting from any lack of conformity of the device. On signaling the lack of conformity the manufacturer shall communicate the possibilities for the collection and eventual replacement and/or repairs of the device, reserving the right to verify the cause of the malfunction.

### DISPOSAL

All components of the device must be identified according to the definitions of the EWC (European Waste Catalogue) and disposed of in strict compliance with the regulations of environmental protection currently in force.

### DECLARATION OF CONFORMITY

KEYSTONE INDUSTRIES declares that the device  
denominated LED HAND ILLUMINATOR  
Mod. ET LIGHT  
Year of manufacture 2011  
complies with directive EMC 2004/108/EC and to  
the following standards (if applicable)  
EN 55015 (2006) + A1 (2007) + A2 (2009)  
EN 61000-3-2 (2006) + A1 (2009) + A2 (2009)  
EN 61000-3-3 (2008)  
EN 61547 (2009)



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