

CLASSIFICATIONS:

MICA IL-800 ZONE 0
 II 1G Ex ia IIC T4 Ga
 II 2D Ex tb IIIC T100°C IP67 Db
 TÜV 10 ATEX 7878 IECEx TUR 11.0008



MICA IL-800 ZONE 1
 II 2G Ex ib IIC T4 Gb
 II 2D Ex tb IIIC T100°C IP67 Db
 TÜV 10 ATEX 7879 IECEx TUR 11.0009


MICA IL-800 SAFETY INSTRUCTIONS:

Taking lamp into use:

- Cleaning and any other necessary preparations must always be performed prior to moving into potentially explosive environment.
- Charger must not be placed in potentially explosive environments. Lamp may not be charged in potentially explosive environment.

Use:

- Check that the classification of potentially explosive environment complies with that issued for lamp.
 - Lamp may not be opened in potentially explosive environments.
 - If lamp becomes out of condition, remove it immediately from potentially explosive environment.
- Maintenance of lamp:
- Only parts listed in Spare Parts List are allowed to be replaced by user.
 - Lamp may be maintained by electrical technicians only.
 - Maintenance operations must be performed outside of potentially explosive environments.
 - Charger must never be placed in a potentially explosive environment.
 - Spare parts may be original MICA spare parts only.
 - If the ID-Plate is unreadable or missing lamp is not valid for use in potentially explosive environments.

TECHNICAL SPECIFICATIONS:

Battery: NiMH 6V
 Glass lens: 110.5 x 5mm
 LED-lenses: narrow or wide beam
 Operation temperature: -20°C...+40°C
 Protection class: IP-67
 Dimensions (h x w x d): 121 x 121 x 216 mm
 Weight: 1.1kg
 Bulbs: CREE Power LEDs (3 pcs)
 Operating times: LOW POWER over 12 hours
 HIGH POWER over 6 hours
 Charging time: 5.5h
 Correct chargers for IL-800 series: MICA ILC-3, ILC-VAC, CR-13, CR-15

WARRANTY

Your MICA lamp and charger are guaranteed for two (2) year from date of purchase against all defects in materials and workmanship. Note: the lamp battery is covered by one year warranty. During the warranty period, these units may be serviced by an authorized MICA service agent only. For after-sales service, contact your local MICA dealer.

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 We reserve the right to change information given in this manual at any time.

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IL-800 ZONE 0
IL-800 ZONE 1
 ATEX Directive Compliant
 IECEx Scheme Certified

Rechargeable MICA lamps are efficient and reliable tools. In order to fully utilize your new lamp, please read these instructions before use.

NOTE CORRECT CLASSIFICATION:

MICA IL-800 is available in two classification versions. **Check that the classification of your lamp is correct to the environment where it is used! Classification is marked to the ID-Plate.**



BEFORE USE:
 The battery self discharges during storage and it must be recharged prior to use. The lamp is charged using a MICA charger suitable for the lamp and the **charger must never be placed in a potentially explosive environment.** We recommend that you always store the lamp in its charger. Please read the manual for the charger as well.

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USE:

Operating switch of the IL-800 lamp has three modes: LOW POWER ↔ HIGH POWER ↔ OFF.

Operating time of the lamp after it has been fully charged depends on the mode chosen using the switch. When there is approximately 1/2h operating time left (depending on ambient temperature and condition of battery), the light will begin to flash every 15 seconds. In special circumstances, the lamp can be switched on after the battery has been discharged whereupon the lamp will function for a short period of time. We do not, however, recommend this because it shortens the lifetime of the battery.

If the lamp is used only for short periods of time between charges, we recommend that the lamp is left on and be completely discharged after every tenth time it has been used. When the battery is discharged, control electronics will automatically switch off the lamp in due time before there is a danger of deep discharge in the battery cells. The battery will be charged from empty to full in approx. 5.5 hours with MICA ILC-3 Charger (depending on ambient temperature and condition of the battery).

Emergency light model (IL-800 EM):

The IL-800 EM model lamp has an emergency light mode: when placed in the charging stand it will always remain in stand-by mode and will be switched on if mains voltage is cut off. When lamp is in EM mode and installed to the charger the LEDs will glow dimly.

Blinking light model (IL-800 BK):

The IL-800 BK model has blinking mode instead of "low power -mode". Operation switch of the lamps has modes: BLINK ↔ HIGH POWER ↔ OFF.

MAINTENANCE & SPARE PARTS:

Users may replace only those parts that are listed in spare parts list and can be purchased as spare parts from MICA dealer. Replacing other parts is allowed only by MICA SERVICE!
Note that the hazardous area classification issued for the MICA IL-800 ATEX lamp requires that only original MICA spare parts are used in the lamp.

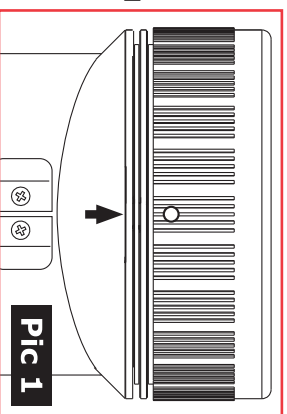
When the battery becomes old, operating time of the lamp will become shorter. If the operating time is disturbingly short even though the battery has been fully charged, the battery must be replaced. **Replacing battery and PCB-cards is allowed only by authorized MICA SERVICE!**
 When performing maintenance tasks, the lamp must often be at least partially disassembled. The lamp must be disassembled according to the instructions below:

A: Unscrew the locking ring (1) and remove the glass lens and o-ring (2). Open three bolts (2,0mm hex key) which hold the reflector and remove the reflector (4).

B: Disconnect the red/black wire of the connector in LED-PCB. Open six bolts (2,0mm hex key) which hold aluminium LED-module and remove the LED-module (5).

C: Now you can change the parts.

Assembly: Assemble the lamp in reverse order. Be sure that all wires run freely! Tighten the locking ring so that the marking (dot) on the locking ring meets the centerline of lamp enclosure (arrow). If necessary apply lubricant to the locking ring thread (e.g. mineral oil based). See "Pic 1".



SPARE PARTS:

Note that the classification issued for the MICA IL-800 lamp requires that only original MICA spare parts are used in the lamp. You can change the shape of the beam by choosing narrow or wide LED-lenses, which are available as optional spare parts.

When ordering spare parts and accessories, please give the type and serial number of the lamp.

SPARE PART LIST:

- 1 H0104_4 Locking ring
- 2 H0105_1 Glass lens and O-ring
- 3 H0180_1 Hex socket bolt set (9pcs)
- 4 H0111_13 Reflector (3 LED)
- 5 H0181_1 LED-module (PCB and al-plate with narrow-lenses)
- 6 H0181_2 LED-module (PCB and al-plate with wide-lenses)
- 7 H0101_4 Switch fitting with parts
- 8 H0102_3 IL-800 switch
- 9 H0056_2 Charger contact set
- 10 H0182_1 Narrow beam LED-lens set to IL-800
- 11 H0182_2 Wide beam LED-lens set to IL-800

ACCESSORIES:

- H0113_4 IL-800 carrying strap
- 11265 Lamp stand
- 11230 ILC Charger (12...24VDC)
- 11225 ILC-VAC Charger (EURO)
- 11225_2 ILC-VAC Charger (UK)
- 11225_3 ILC-VAC Charger (US)

NOTE! The lamp must NOT be charged or opened in potentially explosive environments!
 And any maintenance operations may NOT be performed in potentially explosive environments!

