OPERATING TIMES with a NiCd battery (With full battery, perpetual usage)

is over to liouis.	3h	10W	5h	10W
continuous signalling LED	5h 20min	6W	8h	6W
The operating time for a	Operating time	Bulb	Operating time	Bulb
	tery	NICd Battery	ttery	NIMH Battery

Install a bulb according to the lamp operating time or the operating requirements. The greater the light output the less operating time. Only use bulbs supplied and tested by MICA dealers.

TECHNICAL SPECIFICATIONS

WeightNiCd battery 1,4kg NiMH battery 1.5kg	Measurements (h x w x I) 121 x 121 x 216mm	Enclosure classIP-66	Operating temperature -20°C+40°C	Reflector	Glass lens		BatteryNiCd 6V 5.5Ah
-NiCd battery 1,4kg	121 x 121 x 216mm	-IP-66	-20°C+40°C	aluminium	109,5 x 5mm	NIMH 6V 8.5Ah	-NiCd 6V 5.5Ah
NiMH battery 1.5kg							

TERMS OF WARRANTY

lamp and the charging holder as well as a copy of the voucher along with the product. N.B. The new MICA light fixture/battery has to be brought into use or recharged three (3) months after changed or the components have been damaged otherwise. For an after-sales service send the potential manufacturing and raw material defects generally applied in accordance with the terms of warranty. The warranty is not valid if the control values of the electronic component have production. There is one year warranty for MICA lamps and charging holders from the purchase date covering

MICA—SERIES' LAMPS AND ACCESSORIES

Mica Elektro Oy LTD is specialised in high-quality chargeable MICA lamps and safety light retailer. You can also become acquainted with our products following the address: www.mica.fi arrangement planning and manufacturing. Contact us for information on your nearest MICA

MICA ME-600/1/2	Small chargeable hand lamp series
MICA SL	Forehead and helmet lamps
MICA HL-150/200	Forehead and helmet lamps for professional use
MICA IL-80 ATEX	Hand lamp for explosion-hazardous areas
MICA IL-80 ATEX em	Ex-model for safety lighting arrangement
MICA HL-800 ATEX	Forehead and helmet lamps for explosion-hazardous areas
MICA ML-800 ATEX	Small hand lamps for explosion-hazardous areas

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Product information given in this document subject to change without prior notice

mica - halogen -

MICA IL-61 and IL-61 NiMH Hand lamp manual

want to use it later. Get familiar with this manual to fully benefit from your MICA lamp. Keep the manual if you

INTRODUCTION

the temperature of the battery and its capacity. A new battery is charged to its capacity after approx. ten chargings/dischargings. holder before commissioning. The charging time of the battery is 8 ... 11 hours depending on The battery discharges when stored. The lamp needs to be charged in the MICA ILC charging

The first charging of a new lamp must take at least 12 continuous hours ! NOTICE:



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OPERATION

switch "A" in the front of the handle) as well as change the light source between the halogen battery's lifetime. The full operating time of the battery varies depending on the bulb, the used bulb and the signal LEDs (**selector switch "B"** situated below). The charge state of the battery The electronically controlled pressure switches turn the lamp's operation on and off (control it is used over short periods. danger. The lamp can still be used for a short time in case of an emergency but this reduces the light output and the capacity of the battery. The overall operating time of the lamp is extended if left). The lamp's control electronics switches the power off automatically before deep discharge intervals of 15 seconds the battery of the lamp becomes flat (then approx. 10-20 min of time is lights is illuminated and the halogen bulb of the lamp and/or the signal LEDs start to flash at is indicated by a small bar beneath the handle of the lamp. When only one of the four indicator

IMPORTANT FOR OPERATION

are to be placed into the NiCd lamp! charged battery the battery of the lamp needs to be changed. Please note that no NiMH batteries battery. If the operating time according to graphic values is reduced significantly despite a fully the operating time of the lamp. The operating time of the lamp decreases also with an ageing discharged approx. once a month. Then a memory effect of the battery is avoided which reduces the lamp switched on until it switches off automatically. Especially NiCd batteries should be To gain a maximum lifetime of the battery the lamp should be discharged now and then by leaving

CHARGING and KEEPING

manual of the charging holder as well! Please note that charging of NIMH batteries equipped lamps The MICA charging holders keep the battery always ready to use. Become acquainted with the in old MICA IL-35 charging holders is strictly prohibited! The lamps are charged in a MICA ILC charging holder. On the equipment identification plate of the lamp it is marked which battery is in the lamp. All IL lamps are kept in the holder when not used.

MAINTENANCE

warranty period only a representative of MICA-Service may replace parts and as interchangeable Handle bulb and reflector with care as impurities inside diminish the light output and bulbs' lifetime When dismounting the lamp pay attention to the cable positions and the right polarity. *During the* items only original MICA spare parts may be used. The contaminated reflector or bulb can be cleaned with a piece of cloth and with a suitable solution.

Bulb replacement: First switch off the electricity (operating switch A) and make sure that the battery charge level indicator lights are off. To replace the bulb twist off the lock ring and loosen you open the lock ring of the bulb and loosen/change the bulb. If you still touch the bulb with your hands, clean it with a solution. the glass lens by holding it at the rim. Use a clean piece of cloth to protect your fingers, when

and disconnect the operation switch miniature connector (black wires). Disconnect also the three screws on the bottom of the lamp in order to get the carrier unit out of the housing. If the carrier using a wide screw driver and remove the reflector. Loosen the contacts by unscrewing the phillips **Dismounting the lamp:** After removal of the bulb unscrew the clamping bolt of the reflector wires of the selector switch from the terminals. Pull out the carrier entirely from the housing. is stuck, tap the lamp slightly against the table edge. Pull the carrier half way out of the housing

can now be taken out of the carrier. Battery package: Disconnect the battery connectors (wires red and black). The battery package

2

the rear fastening screw of the electronic module. The electronic module can now be released from **Electronic module:** Unscrew the fastening screws inside the charging contacts. Afterwards remove

switch rubber caps are intact as their condition affect the lamp ingress protection substantially. cap and remove the switch from the inside of the housing. The selector switch rubber cap is housing by unscrewing the four switch cover plate screws. Remove the switch cover and the rubber **Push-on/off switches:** The push switch (on/off) detachment starts from the outside of the removed and the switch is just pushed into the housing. At the same time make sure that the

4 2 0 0 7

9 ∞

the white wire to the circuit card, the red wire to the red line and the black wire from the switch connection of the switch terminals. The three selector switch connectors are connected as follows: Assembly: The lamp is assembled in the reverse order. Refer to picture "PIC 1" for correct to the blue line.

