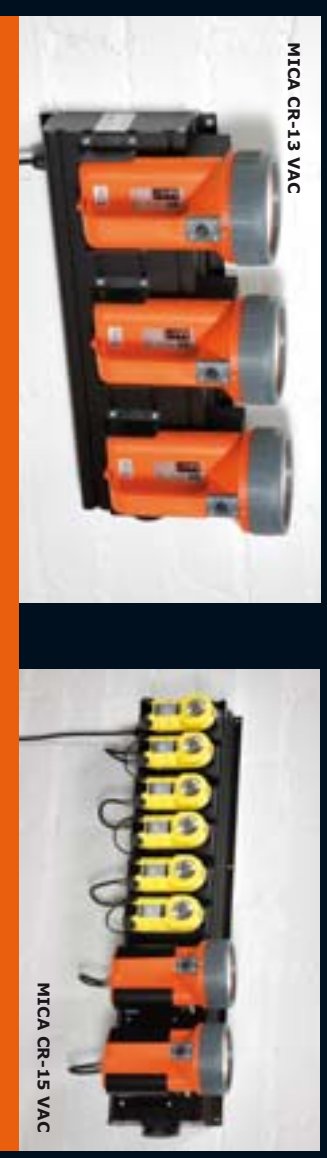


### Intelligent MICA chargers

MICA chargers keep the lamp ready to use at all times and will not overcharge the battery. The rugged construction and tight fit will keep the lamp secure even in the roughest conditions. Lamps can be stored in their chargers.

MICA VAC chargers are fed directly from the mains (85...264VAC). Other models can be connected directly to a vehicle battery (12...24VDC) or to the mains with an IL-2 adapter. The MICA charger range also includes VAC/VDC chargers that can be fed from a vehicle battery and/or the mains and it changes input automatically.

With multi-station MICA CR charger racks, you can fit your lamp/battery charger bay into a more compact space with minimum installation time. Ask for further information about other MICA Charging systems!



### Bright tools for professionals since 1983

MICA lamps are designed and manufactured in Finland by Mica Elektro Oy Ltd. The company is one of the leading rechargeable light manufacturers in Europe. Every day hundreds of thousands MICA flashlights are used by top professionals around the world. Only the best quality components that meet European standards are approved for use in MICA products. Production quality is guaranteed by our ISO 9001:2008 certificate.



MICA ATEX & IECEx

# MICA

## STRONGEST IN THE MARKET



### MICA provides safety for explosion-hazardous areas!

Explosive atmospheres (Ex) in the workplace can be caused by flammable gases, mists or vapours or by combustible dusts. Explosions can cause loss of life and serious injuries as well as significant damage. In these areas there is a need for explosion proof safety lamps. From the very beginning safety lamps have been one of the major product lines in the MICA product family. Nowadays the rechargeable MICA range includes ATEX, IECEx, Immetro and GOST certified pocket-lamps, hand lamps and helmet lamps.

#### ML-800 ATEX

The MICA ML-800 is the market leader in rechargeable pocket-sized Ex-lamps. The shock resistant cover is manufactured completely from antistatic plastic and aluminium. The lens is three millimetres thick and specially hardened. The advanced electronics of ML-800 ATEX safety torch indicate the battery charge level with an easy-to-read LED-bar indicator. The ML-800 warns the user of low battery by flashing the light beam when there is 20 minutes of operating time left.

#### IL-800 and IL-80 ATEX

The extremely robust IL-800 and IL-80 Ex-handlamps are acknowledged as the leading products in the market in terms of durability, reliability and technology. The super tough body is essentially unbreakable as is the specially hardened glass lens. The most hazardous ZONE 0 areas are also covered by MICA IL lights. IL-lamps warn the user of low battery by flashing the light beam when there is 20-30 minutes of operating time left. IL-800 lights are available with special CRI-90+ LEDs.

#### HL-800 ATEX

MICA HL-800 ATEX head/helmet lamp makes hands free work possible in hazardous areas. The electronics protect the battery from deep discharge and warn the user of low charge by flashing the light beam 20-30 minutes before running down. The battery can be replaced in a few seconds and without the need to leave the hazardous area. Available as headband, helmet band and helmet clip-version.



**MICA ML-800 1W**  
The extremely robust ATEX / GOST safety lamp with ultra-bright LED  
Product number: 11550

Dimensions: 55 x 64 x 120  
Weight: 370 grams

Lumens: 45 Lumens  
Light source: 1W LED

Battery Duration (NiMH): 7 hours

Type of Protection: II 2GD IP 66 Ex op is IIC T4 Ex ID 21 T130°C

Certification ATEX: VTT 04 ATEX 062X  
Gas Zones: 1 and 2  
Dust Zones: 21 and 22

Chargers: MICA MLC and MICA CR multi-station chargers.  
Special versions: EM, Blink



**MICA ML-800 3W**  
The extremely robust ATEX / GOST safety lamp with ultra-bright LED  
Product number: 11560

Dimensions: 55 x 64 x 120  
Weight: 370 grams

Lumens: 65 Lumens  
Light source: 3W LED

Battery Duration (NiMH): 3 hours

Type of Protection: II 2GD IP 66 Ex op is IIC T4 Ex ID 21 T130°C

Certification ATEX: VTT 04 ATEX 062X  
Gas Zones: 1 and 2  
Dust Zones: 21 and 22

Chargers: MICA MLC and MICA CR multi-station chargers.  
Special versions: EM, Blink



ZONE 0

**MICA IL-800 ZONE 0**  
ATEX / IECEx / GOST safety lamp with three ultra-bright LEDs  
Product number: 13800

Dimensions: 215 x 120 x 120  
Weight: 1100 grams

Lumens: High 200 Lumens  
Low 80 Lumens  
Light source: 3 x Ultra-bright LED

Battery Duration with NiMH Battery: High power 6 hours Low power 12 hours

Type of Protection: II 1G Ex Ia IIC T4 Ga II 2D Ex Ib IIIC 100°C IP67 Db

Certification ATEX: TÜV 10 ATEX 7878 IECEx: IECEx TUR 11.0008  
Gas Zones: 0, 1 and 2  
Dust Zones: 21 and 22

Chargers: MICA ILC-4 and MICA CR multi-station chargers.  
Special versions: EM, CRI-90+, Blink



**MICA IL-800 ZONE 1**  
ATEX / IECEx / GOST safety lamp with three ultra-bright LEDs  
Product number: 13810

Dimensions: 215 x 120 x 120  
Weight: 1100 grams

Lumens: High 200 Lumens  
Low 80 Lumens  
Light source: 3 x Ultra-bright LED

Battery Duration with NiMH Battery: High power 6 hours Low power 12 hours

Type of Protection: II 2G Ex Ib IIC T4 Gb II 2D Ex Ib IIIC 100°C IP67 Db

Certification ATEX: TÜV 10 ATEX 7879 IECEx: IECEx TUR 11.0009  
Gas Zones: 1 and 2  
Dust Zones: 21 and 22

Chargers: MICA ILC-4 and MICA CR multi-station chargers.  
Special versions: EM, CRI-90+, Blink



**MICA IL-80 ATEX LED**  
ATEX / GOST certified safety lamp with one ultra-bright LED.  
Product numbers: ATEX model 11180\_1 GOST model 11195\_1

Dimensions: 215 x 120 x 120  
Weight: 1100 grams

Lumens: High 60 Lumens  
Low 30 Lumens  
Light source: Ultra-bright LED

Battery Duration with NiMH Battery: 10h 30min High power 21 hours Low power 21 hours

Type of Protection: II 2 G D Ex eib IIC T4

Certification ATEX: VTT 03 ATEX 027X  
Gas Zones: 1 and 2  
Dust Zones: 21 and 22  
Ingress Protection: IP 66

Chargers: MICA ILC-4 and MICA CR multi-station chargers.  
Special versions: EM



Headband version

**MICA HL-800**  
ATEX / GOST certified helmet lamp to Ex-areas.  
Product numbers: ATEX model 11641 GOST model 11646

Weight: Lamp 37,5 grams Battery 137 grams Total weight: 512 grams

Lumens: from main beam (2,4W halogen bulb): 36 Lumens Secondary bulb: White LED 8 000mCd

Battery Duration (NiMH): Main beam: 3h 10min LED: 2 days

Type of Protection: Ex eib op is IIC T3 Ex I IEC 62013-1 M2

Chargers: MICA HC-41, HC-42 and MICA CR multi-station chargers.



ML-800



IL-800



HL-800



Headband version



#### See all colours with MICA IL-800 CRI-90+

Colour rendering indicates how a light source makes colour appear to human eyes and how well slight variations in colour shades are revealed. The CRI scale indicates how accurate a light source is at rendering colour when compared to daylight. MICA CRI-90+ models have a minimum of CRI 90, which is considered to be excellent for tasks requiring accurate colour discrimination.

#### Handlamps with EM function

Emergency lighting is often forgotten until an accident happens. During a power failure, a MICA lamp with EM function will light up and provide light for the area in front of it. The lamp automatically turns off when returned to the charger and/or the power returns. In addition to this special function, MICA EM lights can be used normally as a professional flashlight.



MICA lamps are designed and manufactured in Finland by Mica Elektro Oy Ltd