

**ZONE 1**

# - mica -

**IL-80 ATEX LED** 

Up to 21 hours operation time on a full battery • Rugged & conductive IP 67 housing • Ultra-bright LED bulb • T4 temperature class • Easy to service construction • Single switch control for two power modes • Low-battery warning function • Gas & Dust Certified • Designed and manufactured in Finland



II 2G Ex eib op is IIC T4 Gb  
II 2D Ex tb IIIC T135°C Db  
VTT 12 ATEX 004X

## **Bright Tools For Professionals. MICA IL-80 ATEX LED**

The MICA IL-80 ATEX LED is the perfect choice when an extremely robust portable light is required for Ex-areas. Ultra-Bright LEDs, intelligent control electronics and a maximum working time of up to 21 hours ensures that this torch meets the requirements of demanding professionals. The MICA IL-80 ATEX LED is an ideal general purpose handlamp for use in explosion hazardous areas. The light beam shape is easily altered with two different aluminium reflectors. The dual switch functionality makes it easy to choose between operating time and lighting power. The intelligent MICA ILC4 charger has an aluminium construction and is ideally suited to use with the IL-80 ATEX LED.

[www.mica.eu](http://www.mica.eu)



## IL-80 ATEX LED



Rechargeable flashlight for hazardous environments

### MICA IL-80 ATEX LED For ZONE 1

Tempered glass lens (5mm thick)

Single switch control for two power modes

Ergonomic handle with room for gloves

Intermittent blinking signals low battery

Ultra-Bright L200Ex LED



Waterproof (IP67) lamp floats and illuminates upwards if dropped to water

Optimal normal or spot beam with aluminium reflectors

Shockproof and truly conductive body

MICA IL-80 ATEX LED is a rugged, high-performance flashlight for explosion-hazardous areas. With its ergonomic dual-mode switch the user can choose between a 21h operating time and two light output modes. The construction of the MICA IL-80 ATEX LED is designed for easy servicing and for an extremely long working lifespan. End-user can easily perform most services.

The advanced electronics of the flashlight control the flashlight power mode, prevents deep-discharge of the battery and indicate the need for recharging. When the remaining operating time is approx. 15-30 minutes the beam starts to blink at 15-second intervals.

The IL-80 ATEX LED EM switches automatically into emergency lighting mode when the charger is connected to mains. During a power failure, a MICA lamp with EM function will light up and provide light for the area in front of it.

All MICA IL-80 ATEX LED lamps comply with the requirements of the following European standards: EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-28 and EN 60079-31.

### MICA ILC4 Chargers

Vehicle or indoor installations  
Rugged aluminum construction

LED indicators for state-of-charge  
Charging temperature 0...+40°C

e17



MICA ILC4  
(Nominal input 12...24VDC)



MICA ILC4 VAC  
(Nominal input 85...264VAC)

Advanced MICA ILC4 and ILC4-VAC chargers keep MICA IL-80 ATEX LED lamps always ready for use and do not overcharge the battery during storage time. The tight fit will keep the lamp secure even in rough vehicle use.

The MICA ILC4-VAC chargers are fed from mains (85...264VAC). Other models can be connected directly into a vehicle battery or to the mains with an MICA IL-2 adapter.

MICA Charger family includes various multichargers and special models for trains, offshore, firetrucks, marine etc.

#### Technical information MICA IL-80 ATEX LED:

Classification:



II 2G Ex eib op is IIC T4 Gb  
II 2D Ex tb IIIC T135°C Db

Area of classification GAS:

Zones 1 and 2

Area of classification DUST:

Zones 21 and 22

IP Rating:

IP67

Certificate:

VTT 12 ATEX 004X

Light source:

MICA L200Ex LED

Battery:

6V NiMH

Operating Time:

Full power 10h 30min / Low power 21h

Operating Temperature:

-20°C...+40°C

Weight:

1,1 kg

### MICA Product Range

#### Bright tools for professionals since 1983

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

