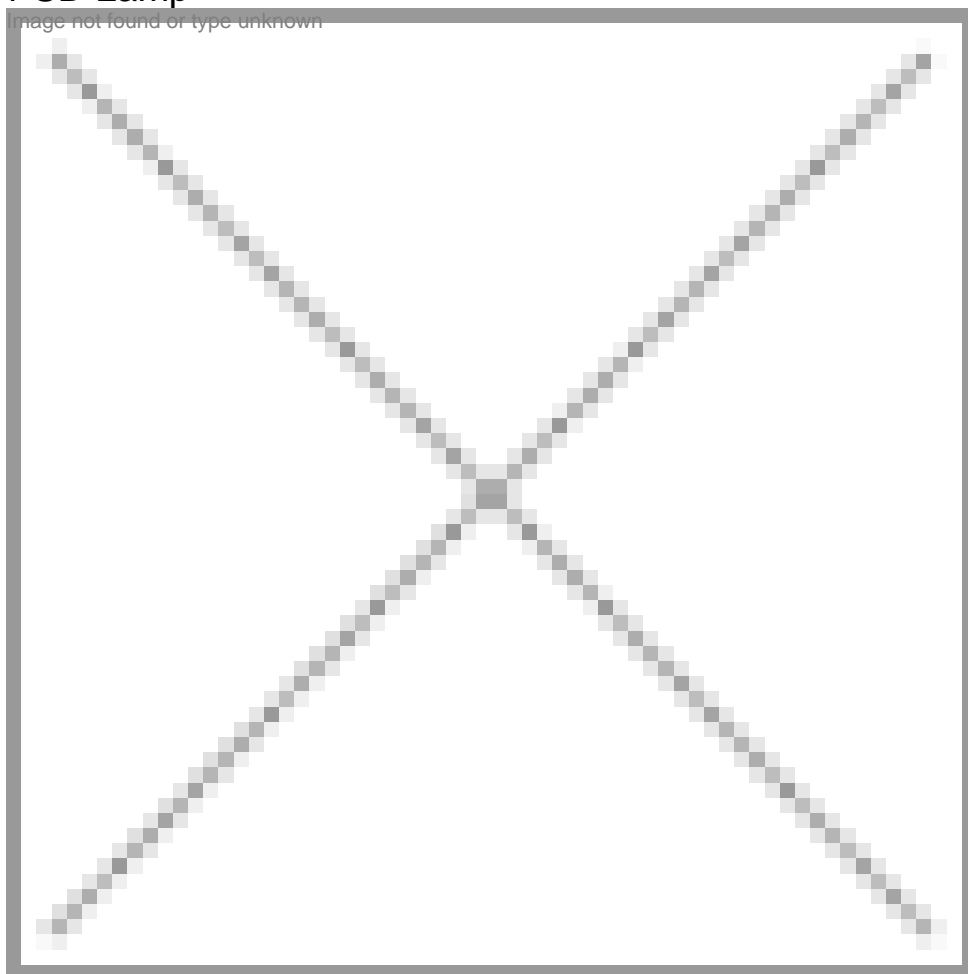




## Atex

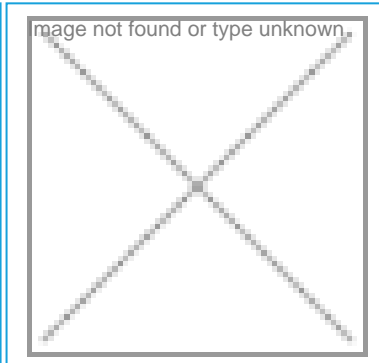
### ELM 01 SD Lamp





**ElectroMax**<sup>®</sup>  
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ATEX



APPLICATION



EX

This product can be used successfully in various applications in different fields:

- Explosive proof lighting



## TECHNICAL SPECIFICATIONS

Casing material	Policarbonat negru
Battery type	NiMh
Battery capacity	4.5Ah   7Ah   9Ah
Output voltage	3.75V
Light source	1 LED de mare putere - 1W
Minimum light flux at 1m	1500 lx



## DESCRIPTION

- The ELM 01 SD is designed for portable underground lighting in grizzly mines with potentially explosive atmospheres.
- It can be used in methane concentrations below 2% as an M2 group product. By adding additional battery protection, the lamp turns into a product that can be used in methane concentrations above 2% as a M1 product.
- Designed and manufactured in Romania.



## TECHNICAL SPECIFICATIONS

- It has two distinct parts, the battery and the headlamp, connected to each other by a cable. The lamp can be worn with the accumulator attached to the belt and the headlamp on the helmet. Charging is done through the headlight.
- Casing made of polycarbonate.
- Top closure is done with a special IMBUS head screw to prevent the lamp from opening by unauthorized personnel
- The battery cells being perfectly closed makes it virtually impossible to cause electrolyte leakage under normal operating conditions.



## ELECTRICAL CHARACTERISTICS

- Battery type: NiCd capacity 4.5Ah or NiMh with a capacity of 4.5, 7 or 9Ah
- Nominal voltage - 3.6V, current - max. 300mA per LED
- Charging can be done through a individual charger or a charging rack



## PHOTOMETRIC CHARACTERISTICS

- Main light source 1 LED 1W focused with specially designed lens.
- Secondary light source 3 LEDs 5 mm
- Minimum illumination level at 1m 1500 lx



## OPERATING ENVIRONMENT

- Rated operating temperature from -5 °C up to +40 °C.



## DIMENSIONAL CHARACTERISTICS

90 x 45 mm