

TECHNICAL DATASHEET · ATEX LED LIGHTING (EX ZONES) - ATEX SERIES

## ELM 01 SD ATEX Lamp for Mining with Headlamp Charging

EcoSolaris code: ECO-LED-81 · Designed and manufactured in Europe · OSRAM LEDs



Portable mining lamp for firedamp workings, group M2 (methane below 2%) or M1 with additional protection in the battery. 1W OSRAM LED focused with a lens, at least 1500 lx at 1 m, secondary source of 3 LEDs of 5 mm. NiMH battery 4.5/7/9Ah on the belt, headlamp on the helmet, charging through the headlamp in a rack or individual charger.

Price on request

Minimum order 10 pcs

Made to order

EcoSolaris technical support

### Technical specifications

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| Housing material           | Black polycarbonate                              |
| Group of use               | M2; M1 with additional protection                |
| Main light source          | 1 OSRAM LED of 1W, focused with a lens           |
| Secondary light source     | 3 LEDs of 5 mm                                   |
| Minimum illuminance at 1 m | 1500 lx                                          |
| Battery type               | NiMH (or NiCd 4.5Ah)                             |
| Battery capacity           | 4.5Ah   7Ah   9Ah                                |
| Nominal voltage            | 3.6V                                             |
| Output voltage             | 3.75V                                            |
| Current per LED            | Max. 300 mA                                      |
| Charging method            | Through the headlamp: rack or individual charger |
| Operating temperature      | -5 degrees C to +40 degrees C                    |
| Dimensions                 | 90 x 45 mm                                       |
| Weight                     | 0.8 kg                                           |

### Features

- 1W OSRAM LED with lens, min. 1500 lx at 1 m
- 3 secondary LEDs of 5 mm
- Group M2, or M1 with additional battery protection
- NiMH battery 4.5 / 7 / 9Ah
- Headlamp charging, in a rack or individually
- Allen screw against unauthorised opening
- Sealed cells, no electrolyte leakage
- European design and manufacture

### Recommended applications

ATEX

Hazardous area lighting

Firedamp mines