

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

ELM 04 SD ATEX Lamp with 2 LEDs for Coal Mines

EcoSolaris code: ECO-LED-83 · Designed and manufactured in Europe · OSRAM LEDs



Ex mining lamp for potentially explosive atmospheres in group 1, above all coal mines. Two high-power OSRAM LEDs: one of 1W with a 6 degrees lens and one with a 15 degrees lens, at least 1500 lx at 1 m. NiMH battery 4.5/7/9Ah worn on the belt, headlamp on the helmet, charging through the headlamp. Group M2, or M1 with additional protection.

Price on request

Minimum order 10 pcs

Made to order

EcoSolaris technical support

Technical specifications

Housing material	Black polycarbonate
Intended use	Mines with potentially explosive atmospheres, group 1
Group of use	M2; M1 with additional protection
Light source	2 high-power OSRAM LEDs
Beam focus	1W LED with 6 degrees lens; LED with 15 degrees lens
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 130 mm
Weight	0.9 kg

Features

- 2 high-power OSRAM LEDs, 6 and 15 degrees lenses
- At least 1500 lx at 1 m
- Group M2, or M1 with additional battery protection
- NiMH battery 4.5 / 7 / 9Ah on the belt
- Headlamp charging, in a rack or individually
- Allen screw closure
- Sealed cells, no electrolyte leakage
- Designed and made in Europe

Recommended applications

ATEX

Hazardous area lighting

Coal mines