

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

Portable ELM 01 SDM ATEX Lamp with Battery Charging

EcoSolaris code: ECO-LED-80 · Designed and manufactured in Europe · OSRAM LEDs



Portable mining lamp with separate headlamp and battery joined by cable, for potentially explosive atmospheres (group II 2B, T3, zone 1). Main source is a 1W OSRAM LED with lens, at least 1500 lx at 1 m, plus 3 LEDs of 5 mm. NiMH battery of 4.5Ah, charging through the battery, black polycarbonate housing rated IP54.

Price on request

Minimum order 10 pcs

Made to order

EcoSolaris technical support

Technical specifications

Housing material	Black polycarbonate
Ex classification	Group II 2B, T3 (200 degrees C), zone 1
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
Battery capacity	4.5Ah
Battery voltage	3.6 - 4V
Output voltage	3.75V
Rated current	100 / 350 / 450 mA
Charger supply voltage	220V AC
Charging method	Through the battery
Ingress protection	IP54
Operating temperature	-5 degrees C to +40 degrees C
Dimensions	130 x 80 x 46 mm
Weight	0.85 kg

Features

- 1W OSRAM LED with dedicated lens, min. 1500 lx at 1 m
- Secondary source with 3 LEDs of 5 mm
- NiMH 4.5Ah battery on the belt, headlamp on the helmet
- Battery charging, current 100/350/450 mA
- Allen screw closure against unauthorised opening
- Sealed cells, no electrolyte leakage
- IP54 ingress protection, -5 to +40 degrees C
- Designed and manufactured in Europe

Recommended applications

ATEX

Hazardous area lighting

Firedamp mines