

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

ELM 01 PSD ATEX Lamp with Location Transmitter

EcoSolaris code: ECO-LED-82 · Designed and manufactured in Europe · OSRAM LEDs



ELM 01 SD mining lamp fitted with a location transmitter cast in resin inside the battery cover. It allows miners to be detected through rock or a coal seam of 25 m, with an operating range up to 50 m. Transmitter autonomy at least 168 hours, 8 channels in the 4100 - 5850 Hz band, black polycarbonate housing rated IP54.

Price on request

Minimum order 10 pcs

Made to order

EcoSolaris technical support

Technical specifications

Housing material	Black polycarbonate
Base lamp	ELM 01 SD mining lamp
Location transmitter	In the battery cover, cast in resin
Transmitter autonomy	At least 168 hours
Transmission frequency	4100 - 5850 Hz
Number of channels	8
Operating range	Up to 50 m
Location distance	25 m
Detection through rock / coal	Up to 25 m thickness
Ingress protection	IP54
Weight	0.9 kg

Features

- Location transmitter for rescue teams
- Detection through rock or coal up to 25 m
- Transmitter autonomy at least 168 hours
- 8 working channels, 4100 - 5850 Hz
- Operating range up to 50 m
- Transmitter protected in resin
- IP54 ingress protection
- Works with rack and headlamp charger

Recommended applications

ATEX

Hazardous area lighting

Underground personnel location