

Polaris: No Strings Attached cap lamp

Consisting of only a headpiece, the award-winning Northern Light Polaris cap lamp is specially designed for use in underground mining and tunnelling operations.

Polaris uses a high-capacity lithium ion battery and an LED light source that is housed in high-impact dust and water resistant plastic. Polaris is the first MSHA-approved cordless, all-in-one cap lamp. It integrates the battery and light sources in one enclosure, eliminating the need for an external battery pack and cord. Incorporating two light sources plus an emergency flashing beacon mode, the main light output of minimum 5,000 LUX, typical 6,500 LUX is as bright – or brighter – than existing corded or non-corded cap lamps. The Polaris also offers the lowest cost of ownership for any cap lamp on the market.

The Polaris battery is now field replaceable by your authorized NLT distributor.



Specifications:

Battery Charge Time
10 hours

Battery Discharge Time
• Main LED > 12 hours
• Secondary LED > 40 hours

Emergency Flashing
• Activated with 5-second hold-down

Battery Lifecycle
• 500 Minimum

Weight
• 6oz (170 GR)

LUX
• min 5,000, typical 6,500

Charger configurations
• Single, 10 and 24 unit modules 48 unit rack; 12V DC adapter for vehicle connection

Charger Power Source
• AC line voltage range from 120V +/- 10%, 220V +/- 10%,
• 12V AC input can also be used in case of retrofit to existing racks and transformers

Charger Temperature Range
• 5°C - 35°C / 41°F - 95°F
(Optimum: 15°C - 20°C / 59°F - 68°F)

Lamp Storage Temperature
• 0°C - 60°C / 32°F - 140°F
(Optimum 10°C - 20°C / 50°F - 68°F)

Primary LED Life
• 20,000 hours

Secondary LED Life
• 20,000 hours

Ingress Protection
• IP 67

Operating Ambient Temperature
• Ta = 0°C - 60°C / 32°F - 140°F

Charging Current
• 300mA

Approvals
• IECEx, ATEX, MSHA

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