

# Genesis



## The all-in-one integrated Smart Cap Lamp system



The world's first "Smart Cap Lamp," the Genesis accommodates a tracking or proximity tag and offers customizable bidirectional communication. This all-in-one system provides excellent safety features and can boost efficiency and productivity in mines and tunnels.

For use in the harshest environments, the Genesis has the capacity to hold a variety of tracking/proximity tag options while keeping the battery and light source in a single high- impact, IP67 enclosure. Its innovative engineering makes it programmable with custom functionality to support 3rd-party solutions.

With a light output of 7,000 Lux and a run time of 14+ hours, the Genesis can meet the needs of an IoT-enabled mine. This cap lamp provides an ideal choice for mines looking for cordless lamps today with plans to introduce tracking/proximity in the future.

NLT partners with most of the major tracking and proximity providers around the world. It is currently certified IS to ATEX, IECEx and MSHA with the Extronics/AeroScout Wi-Fi tracking tag.

### NLT Genesis Features:

- RFID/Wi-Fi tracking-tag or proximity detection-tag enabled
- Cordless, lightweight cap lamp in an IP67 enclosure
- Main LED for high light output and secondary LED for auxiliary or emergency use
- Integrated with solutions from:
  - AiRISTA Flow
  - Ambra Solutions
  - Extronics/AeroScout
  - Imagine by Meglab
  - Lasec Becker Mining Systems
  - Mobilaris
  - Newtrax
  - NLT Digital Solutions
  - Strata Worldwide
- Certified MSHA Intrinsically Safe, ATEX, IECEx, ANZEx for coal market
- Components, including the battery, are fully serviceable

### SPECIFICATIONS

Light output	7,000 Lux
Discharge time	14 hrs minimum
Charge time	Less than 10 hrs
Weight	188g (6.6oz)

Note: Technical specifications are subject to change without notice.

