

Lighting  
the way



# Genesis: A New Beginning for cap lamps

The Northern Light Technologies (NLT) tradition of creating industry leading cap lamps continues with the introduction of Genesis.

Building upon the technological advancements of the award-winning Polaris, the second generation, all-in-one **Genesis** cap lamp has the ability to integrate tracking tags, while keeping the battery and light source in a single enclosure.

You can choose from a variety of RFID or Wi-Fi tags, all powered by the Genesis high capacity battery. Tag compatibility subject to IS and/or NLT approval. Using the contemporary design of the Polaris, the Genesis maintains the superior light pattern consistent with all NLT lamps, providing a perfectly focused spot.

The Genesis 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**  
• 6.6 oz (187 GR)

**LUX**  
• Minimum 4,000; typical 5,500

**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 65

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

**Charging Current**  
• 300mA

**Pending Approvals**  
• MSHA (with Aeroscout Wi-Fi tag)  
• Pending approvals IECEx, ANZEx

**NLT Corporate** 33 Laird Drive, Toronto, Ontario, Canada M4G 3S9  
Tel. (416) 425 6559 • Fax (416) 425 5960 • E-mail: info@nltinc.com

**NLT Chile LTDA** Espronceda 539, Ñuñoa -Santiago de Chile  
Tel. (56-2) 343 05 06/343 05 09 • Fax (56-2) 274 23 90 • E-mail: info@nltchile.cl

**NLT Australia PTY Ltd.** Unit 1 & 2, 22-26 Cessna Drive, Caboolture, QLD 4510 M4G 3S9  
Tel. 011 +61 7 5495 2944 • Fax 011 +61 7 5495 2966 • E-mail: info@nltinc.com.au

[www.nltinc.com](http://www.nltinc.com)