



# CAP LAMP SYSTEMS

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NL Technologies, a recognized world leader in the design and manufacture of Cap Lamp Systems, is proud to introduce the next generation (GII) of cap lamp technology. Utilizing feedback from the industry, obtained from over 17 years of service experience, we have developed a system that will satisfy the needs of all users.



## GII Features & Benefits

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NL Technologies has retained the features and benefits that made the original Northern Light™, the system of choice for mines and contractors throughout the world:

- Light-weight ergonomic design, kidney-shaped battery pack design
- Modular assembly with tamperproof design
- Constant discharge voltage providing a consistent bright light for the entire work shift
- Low voltage flasher circuit to alert the user that there is approximately 30 minutes of light remaining before the battery shuts off
- Soft start circuitry doubles the bulb life

And included additional features and benefits such as:

- Improved servicing and replacement capability of the battery cell packs with easy to use connections
- More durable belt loop, terminal cover, and strain relief designs
- Optimal lamp head spot quality and light output
- Improved lamp head sealing to reduce water ingress

Our most recent upgrade is the introduction of Nickel Metal Hydride (Ni-MH) battery cells. The significant advantages include:

- Equal or better energy and performance available in a much smaller package.
- No lead or cadmium in the package, so it is more environmentally friendly than other cells
- Models are MSHA approved for use in Methane environments.

# Cap Lamp Models

Our modular design allows you to select the best battery, lamp head and lamp cable options for your specific requirement.



Part Number	Description and Application
GL62D11	For an 8 or 10 hour work shift, lamp head with our - 6V flange-based bulb
GL72D11	For a 12 hour work shift, lamp head with our - 6V flange-based bulb

# Battery Options

At NL Technologies, we design our batteries to provide optimum performance during the work shift coupled with maximum cycle life. This translates to our customers getting the most cost effective reliable system available.



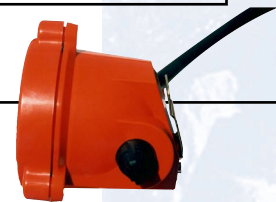
In addition, please refer to our Product Update Brochure describing how to change out your spent NiCad battery pack with a new Ni-MH pack.

The following table summarizes the battery options we can provide specific to the user's work shift:

Part Number	Discharge Capacity Up To	Recommended Work Shift
GB62D00	12 Hours	8 or 10 Hours
GB72D00	17 Hours	12 Hours

# Headpiece Options

The new GII battery pack and terminal cover will accept your existing YL Lamp cable and headpiece. In addition, you can upgrade to our new GII headpiece on your existing YL battery pack.



Part Number	Description
GH1000	Lamp Head uses a 6V flanged bulb - Cost efficient spot

# Lamp Cable Options

Our standard cable assembly is 54 inches long. It can also be purchased in a 66 inch length.



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