A key element to keeping your lights functional is keeping dirt and moisture away from the electrical connection. There are many types of different connections for lighting but sealed AMP style connections provide the highest level of reliability compared to older .180 bullet terminals, which are unsealed and require periodic greasing, PL-3, or other types of lighting connections on the market. As older style incandescent lights are replaced it may be necessary to change the connection type to AMP style connections which are typically used for LED lighting.

An AMP style connection has features to seal the connection and keep dirt and moisture out:

A. Ribbed silicone outer seal for connector
B. Ribbed individual silicone seals for each wire; designed to have 1 wire in each cavity
C. Latch clip to lock connector securely in place to keep a tight connection

Sealed AMP Style Lighting Connections

AMP Style Connection Maintenance Tips
There is no specific maintenance required for optimum life other than:

- If disconnected, keep clean and dry to avoid contamination
- If wires are damaged, the wires should be properly repaired and sealed. The AMP style connector is designed to have one wire in each cavity with a silicone ribbed cable seal to maintain sealing integrity.
- No grease is required, although many lights may have a small amount of grease on the male terminals. This helps protect lamp terminals from moisture prior to installation to the AMP connector.

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Have technical questions? Get the latest tips from a skilled Phillips engineer!
Call: 888-959-0995 OR e-mail: techtips@phillipsind.com