

# Application Note

## APP # 01 - Recommended maintenance practices for GE rail signals and replacement bulbs

The objective of this application note is to further clarify requirements for post installation service and end of life replacement for all GE LED Rail Signals and LED Rail Replacement bulbs.

### Maintenance

GE LED Rail Signals and LED Rail Replacement bulbs are designed to function under a variety of harsh conditions. Despite this, they are maintenance and inspections practices that should be in place to prolong their useful life in a wayside environment. GE recommends the end users follows regular inspections and cleaning:

- Inspect the front lens for dirt or debris. Clean lens as necessary with NOVUS Plastic Polish #1 to ensure lenses remain clear. GE recommends cleaning the lens surface at least once a year or more if environmental conditions necessitate.
- Inspect terminals for proper connection. GE recommends inspecting contact points at least once a year or more if environmental conditions necessitate.
- Inspect signal housing in the front and back for cracks or damage. Replace the signal if damage is found. GE recommends inspection for damage at least once a year or more if environmental conditions necessitate.

### Replacement

GE recommends the following replacement schedule for GE LED Rail Signals and LED Rail Replacement bulbs:

- For LED Signals or LED Bulbs used over 50% duty cycle (more than 12 hours per day) replace every 7 years or sooner.
- For LED Signals or LED Bulbs less than 50% duty cycle (less than 12 hours per day) replace every 10 years or sooner.

Should you require additional clarification, please contact your GE Regional Sales Manager or contact our web site at [led.com](http://led.com)

