

Uniting Innovation, Engineering, Manufacturing, and Distribution

Aurolite™ Smart Box Controllers

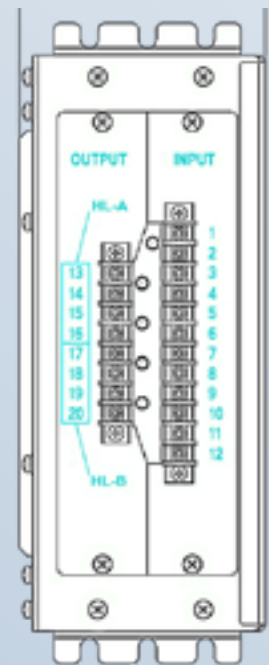
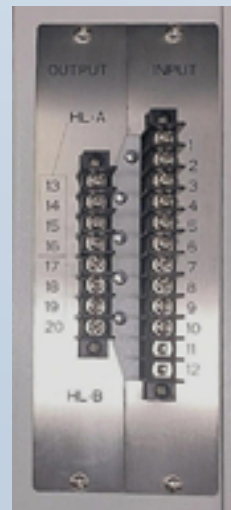
PowerRail is proud to introduce the latest cutting-edge technology in locomotive lighting, the Aurolite™ Smart Box Controllers. This innovative technology provides users with numerous benefits to ensure consistency in lamp operation.

The Headlight Smart Box Controller (Part #: 16188659) is built specifically for Headlight operation of LED or conventional lamps. The Ditch Light Smart Box Controller (Part #: 16188658) is built specifically for Ditch Light operation of LED or conventional lamps pulsing or flashing.

Part #: 16188659

Features of the Aurolite™ Headlight Smart Box Controller:

- Works with EMD, GE, Siemens and Alstom locomotives
- Eliminates the Need for Dimming Resistors
- Headlights Operate on 3 settings - DIM, MEDIUM, and BRIGHT
- Can be Used with Conventional or LED Lamps
- Can Use 1 LED and 1 Conventional Lamp Simultaneously
- Operates 4 Lamps - Long Hood and Short Hood
- Compact Size - 11" x 5" x 7" - Made to Fit Control Stands or Electrical Lockers
- True Solid-State Design with Quick Terminal Connection
- Extends the Life of the Lamp by Eliminating the Inrush Current
- Includes Transient Overvoltage Protection
- Designed for 75V Application
- Complies with Existing OEM Electrical Circuits
- Retrofit via Existing Headlight Switches
- Indicator Lights Advise if Failure Occurs



Part #: 16188658

Features of the Aurolite™ Ditch Light Smart Box Controller:

- Works with EMD, GE, Siemens and Alstom locomotives
- Replacement to Legacy Flashing/Pulsing Controllers
- Can be Used with Conventional or LED Lamps
- Can Use 1 LED and 1 Conventional Lamp Simultaneously
- Operates 2 Lamps
- Compact Size - 8" x 3" x 1½" - Made to Fit within Nose of the Locomotive
- True Solid-State Design with Quick Terminal Connection
- Designed for 75V Application
- Factory Settings for Pulsing/Flashing Frequency per Section 229.125 (d)(i)
- Activate Pulsing/Flashing via Horn, Bell or Switch
- Deactivate Pulse/Flash Manually or via Push Button per Section 229.125(d)(iii)



The Aurolite™ Headlight and Ditch Light Smart Box Controllers both utilize one specially designed and patented LED Bulb.

PowerRail Part #: LED350PAR56LCSB2

Features of the LED350PAR56LCSB2:

- Built-in LED Driver - No Rewiring or Modifications Required
- Headlights Operate on 3 Settings - DIM, MEDIUM, and BRIGHT when used with Aurolite™ Headlight Smart Box Controller
- Ditch Lights offer Flashing / Pulsing option
- Plug and Play Ditch Lights for Steady ON/OFF
- Same bulb used in both the Aurolite™ Headlight and the Ditch Light Smart Box Controllers
- Meets AAR Standard S-5516
- FRA Approved in Compliance with 49 CFR § 229.125
- Provides IP67 Protection from Water Damage
- Designed to Operate in Extreme Heat or Cold
- Lens Designed to Melt Ice and Snow
- Minimum 200,000 Candelas with a Life Rating of over 50,000 Hours
- Patented Design Provides 200,000 Candelas for Complete Life of the Bulb
- Proprietary Circuit Board Design Resistant to Excessive Shock and Vibration
- Patented Heat Sink Design Provides Optimal Heat Dissipation Allowing for Peak Efficiency



**PowerRail Part#
LED350PAR56LCSB2**

