



CREATIVE INNOVATIONS...CONTINUING TRADITION

PowerRail, Inc.  
205 Clark Road  
Duryea, PA 18642  
Phone: 570-883-7005  
Email: Sales@ePowerRail.com

**Uniting Innovation, Engineering, Manufacturing, and Distribution**

## **LED IP67 Waterproof 50A19 Rough Service Bulbs**

PowerRail, an AAR M-1003 Certified Quality Company, is pleased to offer our NEW LED 50A19 75V Number Board "Corn Cob Style" and AAR S-5515 Style Rough Service LED bulbs.

With the latest Cree LED technology, these bulbs provide IP67 protection from water damage. Field Tests with Class 1's, Regionals, Passenger Transit, and other applications have proven that these unique patent pending designs offer true reliability and performance.



### **LED Advantages:**

- Rated Life 50,000 Hours vs. 1,000 of Standard Bulb (50 to 1 Life)
- True LED Circuit Board Reliability and Durability
- Reduced Generator Voltage Draw Provides Fuel Savings
- No EMI Interference
- Reverse Polarity Protected
- Operates on Voltage Range of 50V DC to 80V DC
- No Filaments or Glass to Break (Enhanced Protective Globe)
- Reduced Labor and Maintenance Labor Cost
- Eliminates FRA Infringements Associated With Standard Bulbs

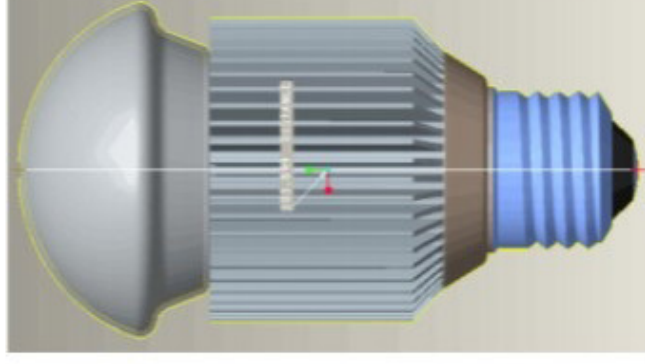
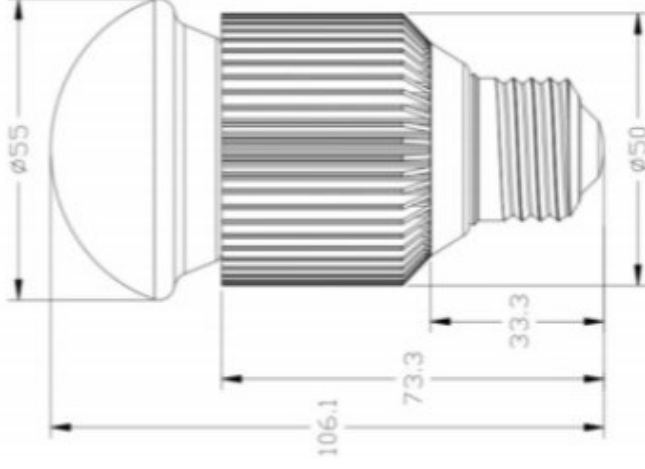


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Operating Voltage	75V DC
Operating Wattage	6-watts
Beam Spread	270°V - 360°H
EMI Emission	No Interference
Operating Condition	-40°C to +85°C
Life	50,000hrs 70%
Body	Aluminum Alloy
Lens	Heavy Duty PC
Base	E26/E27 Medium
Weight	110 grams
Operation	Voltage Range 50 to 80 Volts DC
Reverse Polarity	Protected
AC Voltage	Will Not Operate on AC Voltage
Ingress Protection	IP67
Average Lumen Output	545
Color Temperature	3000K



## Universal Operation in Locomotives

Rough Service Bulb

**Part # RS50A19LED-6WLL**  
**(AAR 6Watt)**

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**Code No. SLS 7B**

Dimensions are in Millimeters

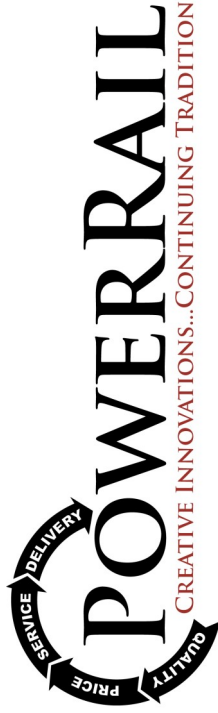
DRAWN: BZ	DATE: 09-02-2015
CHECKED: JM	DATE: 09-02-2015
QA: TZ	DATE: 09-10-2015
MFG: GK	DATE: 09-14-2015
APPROVED: AM	DATE: 09-15-2015

## RoHS Compliant

Producers of electrical and electronic equipment are not able to place on the market products that contain six "banned" substances unless specific exemptions apply. These six substances are: Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr(VI)), Cadmium (Cd), Polybrominated biphenyl flame retardants (PBB), and Polybrominated diphenyl ether flame retardants (PBDE)

Rev: 0





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### Lamp Characteristics

Operating Voltage	75V DC
Rated Wattage	3-watts
Beam Spread	360°
EMI Emission	No Interference
Operating Condition	-25°C +85°C
Life	50,000hrs 70%
Body	Aluminum + Plastic
Base	E26/E27 Medium
Weight	95 grams
Operation	Voltage Range 50 to 80 Volts DC
Reverse Polarity	Protected
AC Voltage	Will Not Operate on AC Voltage
Average Lumen Output	310 Lumens
Color Temperature	4000K

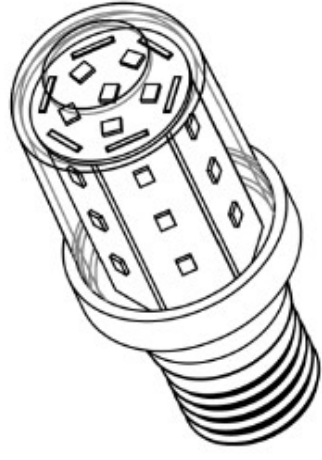
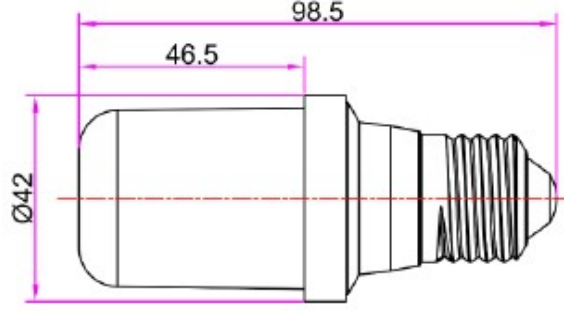
**Warranty: 5 years**

**Locomotive Number Board LED Lamp**



**Code No. SLS 8B**

Dimensions are in Millimeters



**Part# RS50A19LED-3W/CORN**  
**(Corn Style)**

**IP 67 Rating – Water Tight**

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	CHECKED: JM	DATE: 12-17-2015	
	QA: TZ	DATE: 12-10-2015	
	MFG: GK	DATE: 09-14-2015	
	APPROVED: AM	DATE: 12-15-2015	
<b>Code No. SLS 8B</b>			3/22/2016Add Clear Cover
Dimensions are in Millimeters			3/22/2016Add "C" to P/N and BOM
			8/15/2016Change body from plastic to Aluminum
			8/15/2016IP 67 Rating

Rev: 2