

## LED RAIL LIGHTING

### RLP SERIES - 72VDC



### NOTES & PATENT INFORMATION

US Patent #7,307,391 8,115,411 8,791,650  
9,179,513

Canada Patent #2,651,224 2,555,065 2,831,641  
International Patents Pending

For complete and up to date patent information see  
our website

### OPTIONAL FEATURES

- 15", 18", 24", 36", 60" lengths
- Colors: Super Cool, Warm, Neutral White, Amber\*, Red\*, Green\* and Blue\*
- Operational voltages for special applications\*
- Clear Lenses
- Rotatable end cap (G13 type only)

### DESCRIPTION

The RLP Series lamp is designed for use in heavy rail or commuter train lighting fixtures. These lamps tolerate voltage spreads characteristic of train car systems without fluctuating in light intensity.

The patented RLP light tubes use the latest high power premium LED's, while providing a superior, reliable and efficient light source over conventional fluorescent systems. The RLP series is rated for at least 50,000 hours and backed by a 7-year warranty.

### FEATURES

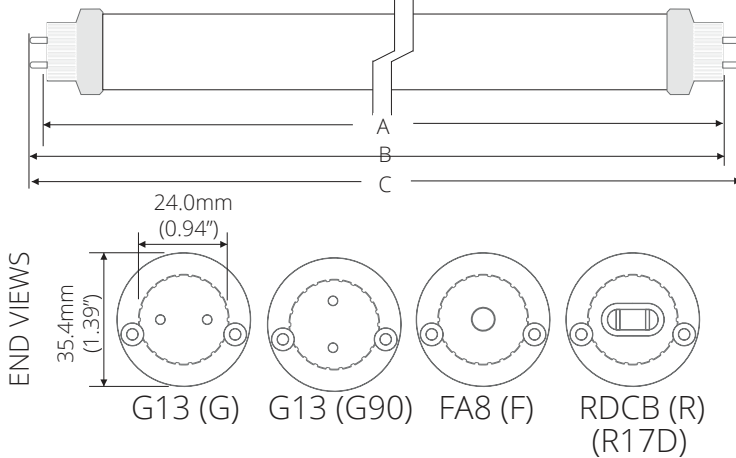
- Solid state lighting device, works well in harsh environments of hot or cold temperatures
- Instant on, no warm up time
- Lasts at least 5-8 times longer than fluorescent
- Low EMI emissions, to eliminate radio interference
- Design to replace conventional fluorescent lamps
- Low EMI emissions, to reduce radio interference
- Lead Free Compliant, Mercury Free

### STANDARD FEATURES

- 48" length
- Cool White LEDs
- 49VDC ~ 90VDC Operating Voltage
- Milk White Lens
- Bi-Pin, Instant start connection type
- Standard T8 Fluorescent replacement

### DIMENSIONS

T10 DIAMETER (Shown with G13, see chart for FA8 or RDCB)

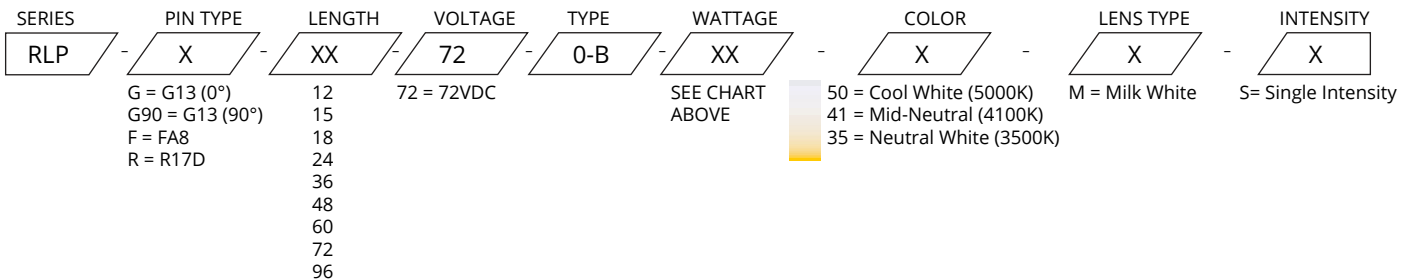


Length	A		B				C				
	Inch	mm	Inch		mm		Inch		mm		
	MAX		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
G13	15	14.22	361.2	14.67	14.78	372.6	375.4	14.4	14.5	365.8	368.3
	18	17.22	437.4	17.67	17.78	448.8	451.8	17.4	17.5	442	444.5
	24	23.22	539.8	23.67	23.78	601.2	604.0	23.40	23.50	594.4	596.9
	36	35.22	694.6	35.67	35.78	906.0	908.60	35.40	35.50	899.2	901.7
	48	47.22	1199.4	47.67	47.78	1210.9	1213.60	47.40	47.50	1204.0	1206.5
FA8/RDCB	60	59.05	1499.9	59.50	59.61	1511.3	1514.10	59.24	59.33	1504.7	1507.0
	24	21.18	538.0		21.825		554.4				
	36	33.18	842.8		33.825		859.2				
	48	45.18	1147.6		45.825		1164.0				
	60	57.18	1452.4		57.825		1468.6				
72	69.18	1757.2		69.825		1773.6					

### ELECTRICAL STATS & OPERATING FUNCTIONS

Type	Nominal Length (inch)	Lens Type	PART # CODE	Input Voltage (DC Volts)			Input Current (Amp)			Luminous Intensity (Lumens)			Power Consumption (Watts)	CRI
				MIN	TYP	MAX	MIN	TYP#	MAX	COOL		WARM WHITE	TYP	TYP
										5000K	4100K	3500K		
RLP	12	MILK WHITE	0-B	49	72	90	0.06	0.07	0.08	506	470	458	5	85
	15						0.06	0.07	0.08	708	658	641	7	
	18						0.06	0.07	0.08	809	752	733	8	
	24						0.11	0.13	0.15	910	846	825	9	
	36						0.18	0.21	0.24	1517	1410	1374	15	
	48						0.22	0.25	0.29	1821	1692	1649	18	
	60						0.28	0.32	0.37	2326	2162	2107	23	
	72						0.33	0.38	0.44	2731	2536	2474	27	
96	0.44	0.50	0.58	3641	3384	3299	36							

### ORDERING INFORMATION



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