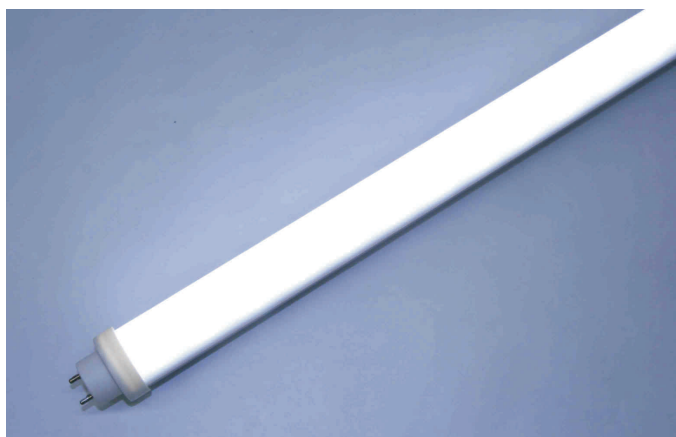


RLO SERIES HIGH UNIFORMITY LIGHT T10 Size



RL Premium T10 Series LED Lamp

FEATURES

- The special features of the LED Light Tube are:
- Solid state lighting device, works well in harsh environments of hot or cold temperatures
 - Instant on, no warm up time required
 - Lasts at least 5 times longer than fluorescent
 - Low EMI emissions, to eliminate radio interference
 - Designed to replace conventional fluorescent lamps
 - Vibration proof features
 - Lead Free Compliant, Mercury Free



DESCRIPTION

These RLO Series lamps are designed for use in the low profile train lighting fixtures. These lamps tolerate voltage spreads characteristic of light rail train car systems without fluctuating in light intensity.

The LED Lighting tube can be used in new or to retrofit fluorescent installations.

The Premium lighting system offers customers the best in new technology.

The patented RLO light tubes use the latest high power premium LEDs while providing a more superior, reliable and efficient light source than conventional fluorescent systems.

STANDARD FEATURES

- 24", 36", 48" and 60" lengths
- Cool White LEDs
- 28V or 37.5V Operating Voltage
- Milk White or Clear lens
- Bi-Pin (G13), Instant start connection type
- T10 Fluorescent replacement (fits T8 size)

OPTIONAL FEATURES

- Other lengths upon special request
- Colors: Warm White, Neutral White (*other colors upon request*)
- Operational voltages for special applications

NOTES & PATENT INFORMATION

US Patent # 7,307,391

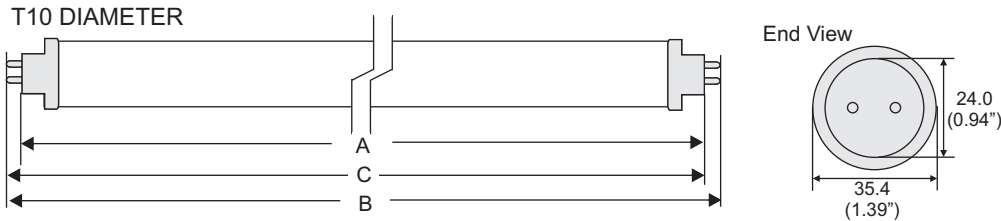
International Patents Pending

Designed and Manufactured in North America



RLO SERIES HIGH UNIFORMITY LIGHT

DIMENSIONS



Standard Length	A				B				C				Estimated Finished Weight	
	Inch		mm		Inch		mm		Inch		mm		g	lbs
24	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	252	0.6
36	-	35.22	-	894.6	23.67	23.78	601.2	604.00	23.40	23.50	594.4	596.9	378	0.8
48	-	47.22	-	1199.4	47.67	47.78	1210.8	1213.60	47.40	47.50	1204.0	1206.5	504	1.1
60	-	59.05	-	1499.9	59.50	59.61	1511.3	1514.10	59.24	59.33	1504.7	1507.0	630	1.4

Follows: ANSI C78.1d-1986 & 1988

ELECTRICAL SPECIFICATION

COOL WHITE								
Type	Nominal Length (inch)	Lens Type	Input Voltage (DC Volts)			Input Current (DC Amps)	Luminous Intensity (Estimated Lumens)	Power Consumption (Watts) @ TYP Voltage
			MIN	TYP.	MAX	TYP.	TYP.	TYP.
RLO	24"	MILK WHITE	20	32	40	0.438	688	14
	36"					0.656	1032	21
	48"					0.875	1376	28
	60"					1.090	1720	35
	24"	CLEAR	20	32	40	0.438	953	14
	36"					0.656	1429	21
	48"					0.875	1905	28
	60"					1.090	2381	35

Cool White Color Temperature: Typical 5000K,
Range 4600K - 5600K
Ambient Operating Temperature:
Typical: 25°C (77°F),
Range -30°C (-22°F) to 50°C (122°F)

ORDERING INFORMATION

Series	Type	Diameter	Pin Type	Length	Voltage	Color	Lens Type	Intensity
RL	O	T10	G13	XX	XX	X	X	X
				24	28 = 28V	○ C = Cool White	C = Clear, Ribbed	S = Single Intensity
				36	37 = 37.5V	○ W = Warm White	M = Milk White	
				48		○ N = Neutral White		
				60				

Example:

RLO-T10-G13-48-37-C-M-S = Premium Train/Rail Fluorescent Lamp Replacement, 1.25" (T8 Compatible Size), G13 Base, 48" 37V, Cool White, Milk White Lens, Single Intensity

WARNINGS & SAFETY

High power LEDs have a high intensity of light in a single point. Avoid looking directly at the source of light for any prolonged time as it could cause retinal damage. This light source should be shielded with the lens as provided by LED Smart Inc. The removal of the lens would void all warranties and liability from the manufacturer and distributor of this product.

LED Smart Inc. works to continually improve our products, we reserve the right to change or modify the designs or specifications of this product at any time without prior notice. All rights reserved. This product is under a patent and patent pending protection.

