

**THE 1ST DLC 4FT LED LINEAR TUBE WITH 100% REPLACEABLE PARTS!
THE MOST ENERGY EFFICIENT DLC TUBE AT JUST 12 WATTS!!**



**LM-79
LM-80
TM-21**



**Offered in 135-140+ lm/W & 150 lm/W
high lumen (HL) versions!**

The ONLY DLC 12W 4ft Tube in the market with 100% replaceable parts!

**5yrs+\$2 =
10 yrs Warranty**

**Quick Connection Design
Faster Delivery/More Reliable**

**Low Maintenance
All parts are replaceable!**

**SKD/CKD Design
Assembly in Local Area**

■ SKD and CKD Designs - Can be Assembled in your local area for made in USA!

➤ LED LEADER's 12W LED tube can be supplied in either Finished Product or SKD & CKD Versions.

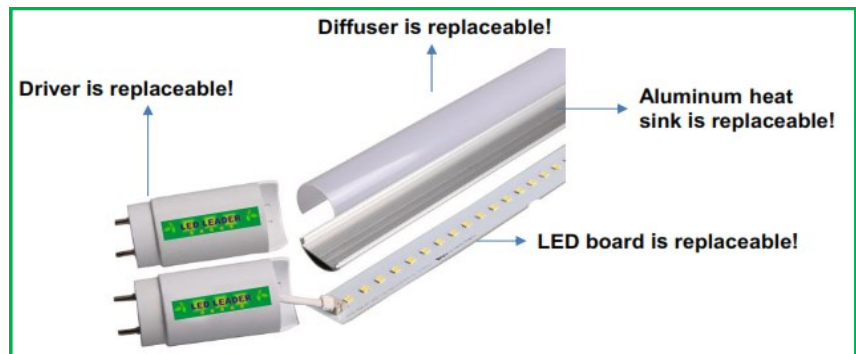


GET INCREDIBLE BENEFITS WITH "R & R" REPAIR & REPLACE LED TUBES!

- ★ **75% or more in energy savings** when replacing T12 & T8 fluorescent lamps!
- ★ **The lowest cost tube to maintain in the world! Replace parts by hand!**
- ★ **The only tube that gets more energy efficient over time!**
- ★ When lower wattage boards become available, replace with 10W, 9W, etc!
- ★ **Super long life!** Base life is 50,000+ hours, but **lifetime of tube is forever!**
- ★ **Greater coverage!** 150 degree coverage beats most tubes that are only 120!
- ★ **Outstanding safety!** No glass to break! No dangerous mercury or toxic metals!
- ★ **Reduces fading for museums and retailers!** No UV or IR emission!
- ★ **100% Recyclable!** Replaceable parts mean far less wasted materials!
- ★ **EASY TO RETROFIT!** Superlight materials are easy to handle!
- ★ **Tax credits and rebates** available for local assembly in some areas!

■ Low Maintenance: Every part is replaceable!

➤ Both of the most critical parts (the driver and LED board) are replaceable! Best of all, this work can be done without using any tools! Our snap in parts can be easily replaced completely by hand. This enables everyone to be able to repair these tubes at your own business location! Rather than having to purchase a whole new LED tube, if the driver or some other part goes bad, you simply, quickly, and easily replace that part! Your tube is now as good as new! This saves on lamp replacement and installation costs!



■ LED LEADER provides more reliable LED linear tubes



Tube ends are fastened by a clasp. Screw-free assembly!



VS Wires can be damaged by screws.



Wire-to-Board Connector is glue free! No wire exposed

VS



Failure of glue and soldered connection occurs.



UL V0 Rate PC- No Fire

VS



V2 Rate PC- Fired

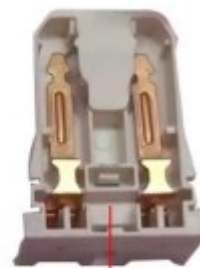
■ Wiring Type: AC input single end (one end) powered tubes.

- ▶ LED LEADER supplies a non-shunted lampholder (Tombstone bi-pin G13)
- ▶ LED LEADER's tube comes with a Single End Powered design (UL/ETL listed).
- ▶ This design necessitates rewiring the AC line input to ONE end of the tube.
- ▶ Shunted lampholders will need to be changed to a non-shunted lampholders as follows:

Shunted → Non-shunted



Bridged



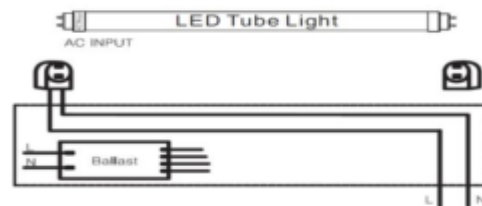
Not bridged

■ Installation Instructions

⚠ SWITCH OFF Power Supply Before Installation.

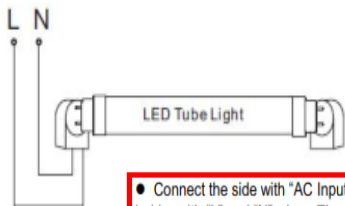
1. Choose the wire connection method from A, B, or C, options according to the ballast or fixture type in use.
2. Use a wire cap to safely enclose all the wires or power supply cords which were cut off, especially the ends of power supply cords.
3. Change shunted lamp holder to non-shunted lamp holder if needed.
4. Install the LED LEADER tube. Switch on power and enjoy your new lamp!

A. Retrofit luminaries with electronic ballast



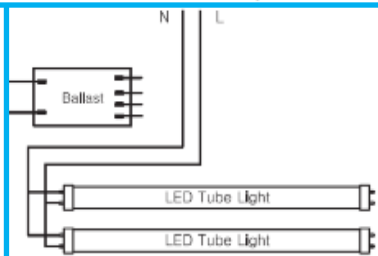
- Bypass the ballast and connect the wires to L and N directly according to the figure above

B. Retrofit luminaries with magnetic ballast



- Connect the side with "AC Input" label into the holder with "L" and "N" wires. The tube will not be damaged if installed in reverse.
- Connect two wires to L and N directly according to the figure above

C. Retrofit luminaries with two lamps and one ballast



- Connect the side with "AC Input" label into the holder with "L" and "N" wires. The tube will be damaged if installed in reverse.
- Connect two wires to L and N according to the figure above

Specifications: 12W 4ft T8 LED Tube 100-277VAC 80+ CRI Beam Angle 150 Deg - accurate to ± 5%

VERSION	Order Code	Base/Diffuser	Lm/W	Total Lumens	Kelvin	Power Factor	DLC Approved
STANDARD LUMEN OUTPUT	L4RP-12T8LEDMVSF40	Plastic—Frosted	135	1600	4000K	>.90	Yes
	L4RP-12T8LEDMVSF45	Plastic—Frosted	135	1600	4500K	>.90	Yes
	L4RP-12T8LEDMVSF50	Plastic—Frosted	135	1600	5000K	>.90	Yes
	L4RP-12T8LEDMVSC40	Plastic—Clear	140	1680	4000K	>.90	Yes
	L4RP-12T8LEDMVSC45	Plastic—Clear	140	1680	4500K	>.90	Yes
	L4RP-12T8LEDMVSC50	Plastic—Clear	140	1680	5000K	>.90	Yes
HIGH LUMEN (HL) OUTPUT	L4RP-12T8LEDMVHLSF40	Plastic—Frosted	150	1800	4000K	>.90	Yes
	L4RP-12T8LEDMVHLSF45	Plastic—Frosted	150	1800	4500K	>.90	Yes
	L4RP-12T8LEDMVHLSF50	Plastic—Frosted	150	1800	5000K	>.90	Yes
	L4RP-12T8LEDMVHLS40	Plastic—Clear	150	1800	4000K	>.90	Yes
	L4RP-12T8LEDMVHLS45	Plastic—Clear	150	1800	4500K	>.90	Yes
	L4RP-12T8LEDMVHLS50	Plastic—Clear	150	1800	5000K	>.90	Yes

Notes: We offer these tubes in aluminum also. The order code uses an "A" in place of a "P" in the first 4 digits, or L4RA. 4ft Lamps = 30 pcs/case. 2ft Lamps = 60 pcs/case.

The LED LEADER warranty is a limited, pro-rated warranty. The standard driver is good for 100-277VAC direct line voltage install applications. If the voltage falls outside of the stated parameters, this can affect the life of the driver, and hence the life and performance of the lamp. For voltage needs above this range, we do offer a product that is effective up to 347 volts. See your local sales representative for more information.