

THE ONLY 4FT LED LINEAR TUBE WITH 100% REPLACEABLE PARTS!
BEST OF ALL, IT'S THE MOST ENERGY EFFICIENT 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 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 Design-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.**



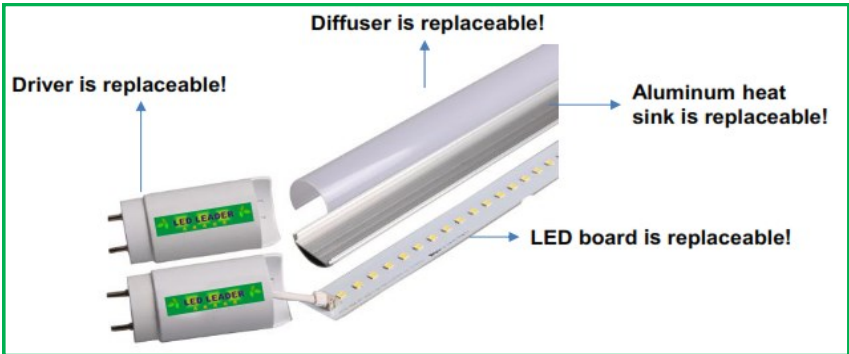
➤ **Getting added Incentives or Rebates with LED LEADER SKD & CKD design.**
 LED LEADER's 12W LED Tube SKD & CKD versions are designed for those who are interested in assembling them into finished products in their own countries. Certain governments issue tax credits or other benefits or rebates to local businesses for assembling products locally. If your country or region offers the same type of incentives and you would like to assemble the LED LEADER tube locally, then we can supply them in either CKD or SKD form.



➤ **Lower tariff by importing LED LEADER SKD or CKD version tubes.**
 Certain countries may charge lower tariff on CKD or SKD parts than that on finished products, if you are in these countries, we may help you save more in import tariffs with our SKD & CKD designs.

■ **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



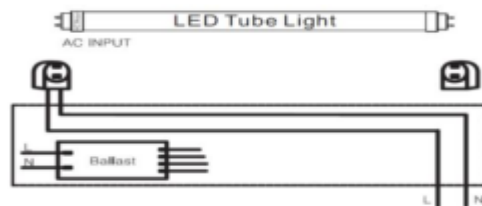
Not bridged

■ Installation Instructions

⚠ **SWITCH OFF Power Supply Before Installation.**

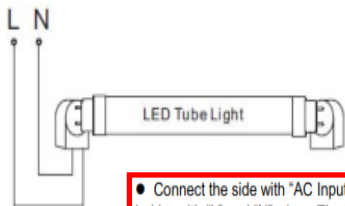
1. Choose the wire connection method from A, B, C, options according to the ballast and luminaries type in use.
2. Use a wire cap to safely enclose all the wires or power supply cords which were cut off, especially the ends of power supply cords.
3. Change shunted lamp holder to non-shunted lamp holder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

A. Retrofit luminaries with electronic ballast



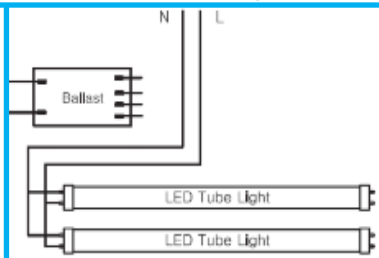
- Bypass the ballast and connect the wires to L and N directly according to the figure above

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.