

LED RETROFIT T8 LAMP SERIES

Project: _____

Prepared By: _____ Date: _____

Product Description

Suitable for multiple applications, the LED T8 Lamp provides unmatched versatility and value for those looking to update existing fixtures. It provides true color rendering and superior color accuracy, drawing out naturally vibrant colors. The LED T8 Lamp exceeds expectations in performance, efficacy and reliability.

FEATURES

- 50,000 Hours (Energy Star TM-21 Tested)
- Instant On; No Flickering
- Not Affected by Turning On/Off
- Slow Lumen Depreciation
- No Long Term Maintenance Costs
- Up to 50% Energy Savings
- Solid State Lighting
- No Mercury or UV Radiation
- 100% Recyclable
- Shatter Proof

APPLICATIONS

Indoor

- Schools
- Hospitals
- Warehouses
- Offices
- Retail/Supermarkets
- Storage
- Commercial/Industrial
- Hospitality
- High Bay

Outdoor

- Parking Structures
- Sign Illumination
- Building Accent Lighting
- Parking Garages
- Tunnels

Performance Summary

CRI: Minimum 82 CRI

CCT: 3500K, 4000K or 5000K

Efficacy: 105 Lumen/Watt

Limited Warranty: 5 Years

DesignLights Consortium Qualified Product*

UL Listed

*DesignLights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

Ordering Information

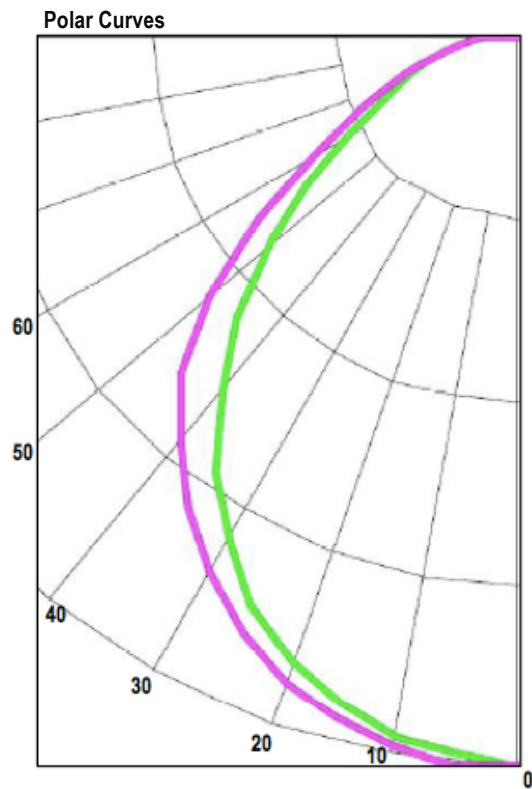
Example: L-TU18-SW-UNV-RE



Product	Watt	CCT	Voltage	Options
L-TU	09 9W (2')	WW 3500K	UNV 100-277V	DIM Dimming (120V only) -Compatible with analog dimmers, dims 0-100%
	12 12W (3')	SW 4000K		RE Rotatable End -Both ends of the lamp can be adjusted to redirect the direction of light output
	18 18W (4')	CW 5000K		CC Clear Cover -PC cover is clear which allows the LED diodes to be visible

Model No.	Watts	THD	Color Temp. CCT (K)	CRI	Lumens	Efficacy	Nominal Length	Base	Beam Angle
L-TU09-WW-UNV	9	<15%	3500K	>82	945	105	24"	Bi-Pin	160
L-TU09-SW-UNV	9	<15%	4000K	>82	945	105	24"	Bi-Pin	160
L-TU09-CW-UNV	9	<15%	5000K	>82	945	105	24"	Bi-Pin	160
L-TU12-WW-UNV	12	<15%	3500K	>82	1260	105	36"	Bi-Pin	160
L-TU12-SW-UNV	12	<15%	4000K	>82	1260	105	36"	Bi-Pin	160
L-TU12-CW-UNV	12	<15%	5000K	>82	1260	105	36"	Bi-Pin	160
L-TU18-WW-UNV	18	<15%	3500K	>82	1890	105	48"	Bi-Pin	160
L-TU18-SW-UNV	18	<15%	4000K	>82	1890	105	48"	Bi-Pin	160
L-TU18-CW-UNV	18	<15%	5000K	>82	1890	105	48"	Bi-Pin	160

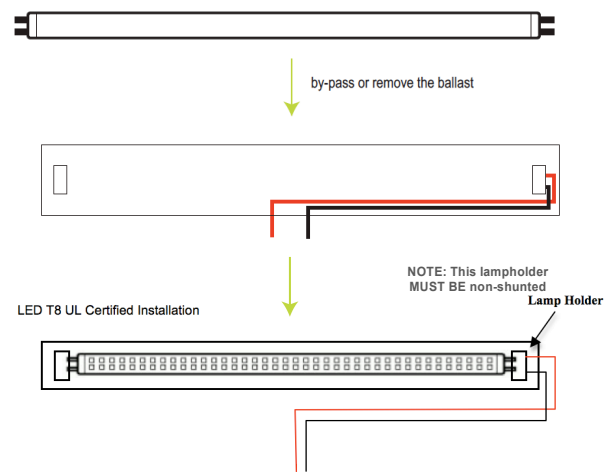
Photometry



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	870.76	31.4	31.4
0-40	1404.45	50.6	50.6
0-60	2313.32	83.4	83.4
0-90	2757.82	99.4	99.4

Installation Instructions



1. Turn off power to fixture
2. Remove existing fluorescent lamps
3. Remove ballast cover
4. Disconnect power line from the ballast
5. Cut all lampholder leads from the ballast, leaving the leads as long as possible
6. Strip the plastic cover from ends of wire connected to lampholders
7. Using the two wires from the only one lampholder connect one to neutral and one to hot end. **NOTE: This lampholder MUST BE non-shunted**
8. Remove Ballast
9. Insert LED lamp in fixture with the power input end inserted to the powered lampholder