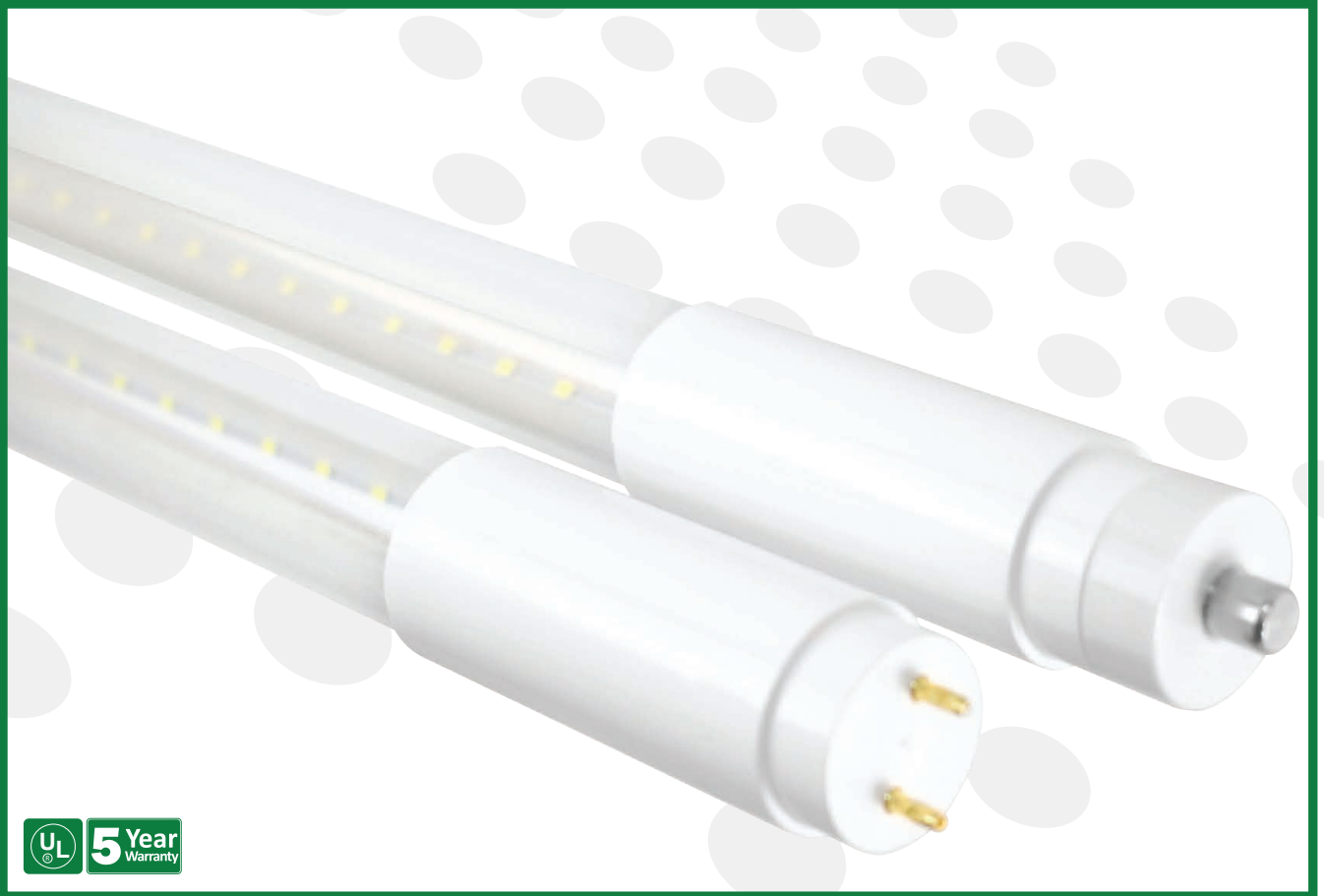




BELL™

LED T8 Glass Tube



Our new and revolutionary BELL T8 8' Glass Tube offers significant energy-efficiency and lifetime improvements over fluorescent lamps. Our BELL lamps are installed by bypassing existing fluorescent ballasts and hard-wiring tombstone lamp-holders directly to incoming AC power leads. Dual-ended bypass lamps eliminate the need to replace shunted tombstone lamp-holders in existing fluorescent luminaires.

Product Features

- REVOLUTIONARY design consists of 2 parts that combine to be one tube
- Cost effective shipping also reduces damages during transit
- Current Leakage Protection, Passed UL 1993
- Up to 130 Lumens Per Watt
- Shatter-proof & meets NSF Requirements
- Fa8 Base/G13 Standard with optional R17d connector
- Full glass housing inhibits yellowing and distortion
- Replaces 85W T8/T12 HO lamps
- Type B dual end power & bypass ballast
- Universal 120-277Vac 50-60Hz.

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LED T8 Glass Tube



SKU #	Model #	Watt	Lumens	CCT	Lens	Power	Base	Length	Certifications
151213	BLT-8FT-42WB2 SC-65K	42W	6100Lm	6500K	Clear	2 End	Fa8/G13 Standard R17d Optional	8ft	UL
151216	BLT-8FT-42WB2 S-65K	42W	6100Lm	6500K	Frosted	2 End	Fa8 /G13 Standard R17d Optional	8ft	UL
151588	BLT-8FT-42WB2 S-50K	42W	6100Lm	5000K	Frosted	2 End	Fa8 /G13 Standard R17d Optional	8ft	UL & DLC
151215	High Output Accessories for 8' Tube				Set of 2 pcs				

SKU Number 151213 Specifications

Parameter	Description	Value
General Performance	Model #	BLT-8FT-42WB2SC-65K
	Wattage	42W
	Lumen	6100Lm Max
	Lumen Efficacy	Up to 130LM/W
	Color Temperature	6500K
	CRI (Ra)	>80
	Beam Angle	320° Degree
	Diffuser Type	Clear
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	Non-Dimmable
	Power Factor	≥0.9
Physical	Operating Temperature	-20°C - 45°C
	Operating Humidity	45%-85% RH
	Storage Temperature	-20°C - 45°C
	Storage Humidity	45%-85% RH
	LED Brand	Lumilands
	LED Type	SMD 2835
	LED QTY	198 Pcs
	Housing Material	Glass+Pet Film
Housing Color	White	
Qualification	Warranty	5 Years

LED T8 GLASS TUBE



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LED T8 Glass Tube

SKU Number 151216

Specifications

Parameter	Description	Value
General Performance	Model #	BLT-8FT-42WB2S-65K
	Wattage	42W
	Lumen	6100Lm Max
	Lumen Efficacy	Up to 130LM/W
	Color Temperature	6500K
	CRI (Ra)	>80
	Beam Angle	320° Degree
	Diffuser Type	Frosted
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	Non-Dimmable
	Power Factor	≥0.9
Physical	Operating Temperature	-20°C - 45°C
	Operating Humidity	45%-85% RH
	Storage Temperature	-20°C - 45°C
	Storage Humidity	45%-85% RH
	LED Brand	Lumilands
	LED Type	SMD 2835
	LED QTY	198 Pcs
	Housing Material	Glass+Pet Film
Housing Color	White	
Qualification	Warranty	5 Years

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LED T8 Glass Tube



SKU Number 151588

Specifications

Parameter	Description	Value
General Performance	Model #	BLT-8FT-42WB2S-50K
	Wattage	42W
	Lumen	6100Lm Max
	Lumen Efficacy	Up to 130LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	320° Degree
	Diffuser Type	Frosted
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	Non-Dimmable
	Power Factor	≥0.9
Physical	Operating Temperature	-20°C - 45°C
	Operating Humidity	45%-85% RH
	Storage Temperature	-20°C - 45°C
	Storage Humidity	45%-85% RH
	LED Brand	Lumilands
	LED Type	SMD 2835
	LED QTY	198 Pcs
	Housing Material	Glass+Pet Film
Housing Color	White	
Qualification	Warranty	5 Years

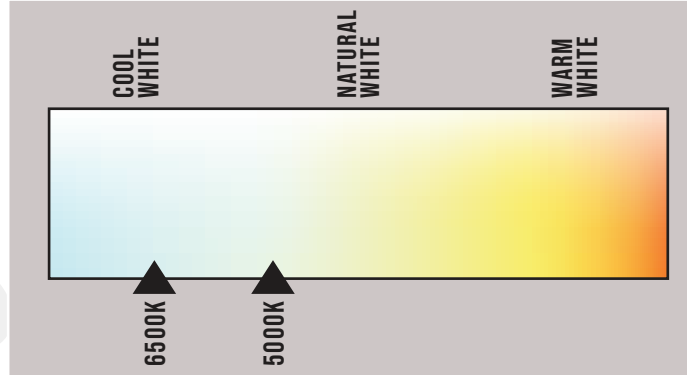
LED T8 GLASS TUBE



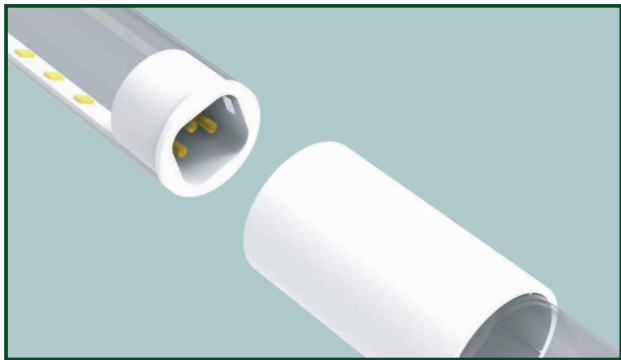
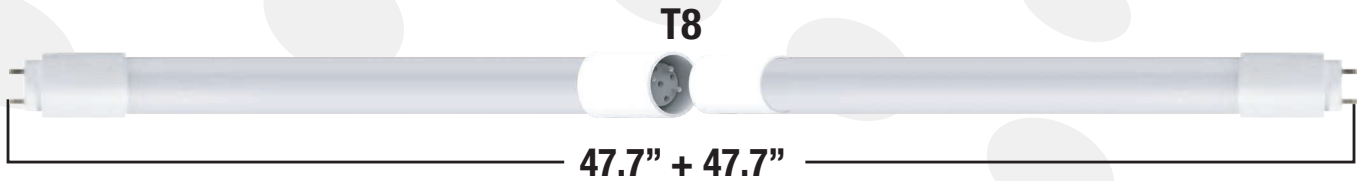
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Correlated Color Temperature (CCT)



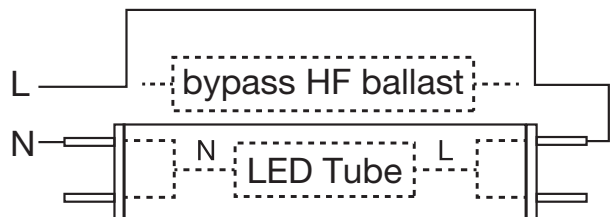
Dimensions



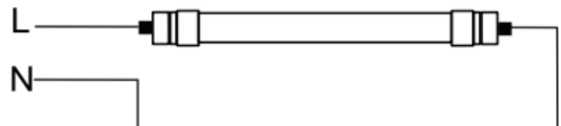
Wiring

- Two parts combined to be one tube (easy for transportation)
- Double-ended ballast bypass, R17D&FA8
- Glass+pet film as shatterproof Meet NSF requirements
- Automatic production, high product consistency and low manufacture costs

Type B 2 End



TYPE B (AC directly, double end ballast bypass) -
Assembly introduction



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Spectral Power Distribution - Sphere Spectroradiometer Method

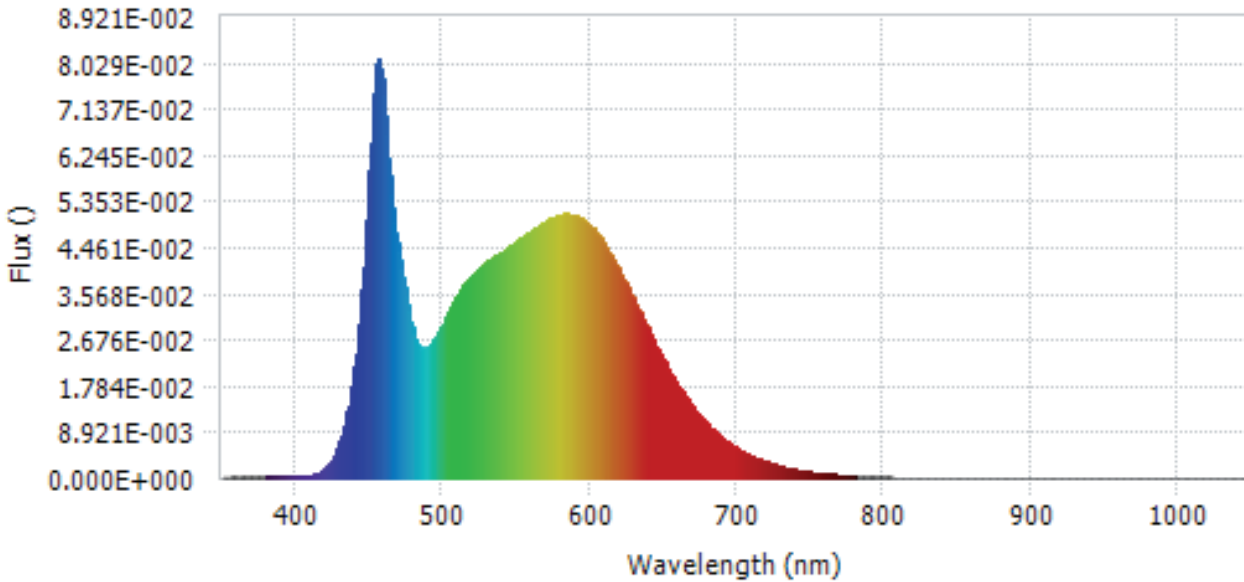


Chart 5: Spectral Power Distribution

Spectral Distribution over Visible Wavelength							
WL(nm)	Radiant(Watts)	WL(nm)	Radiant(Watts)	WL(nm)	Radiant(Watts)	WL(nm)	Radiant(Watts)
380	3.13E-04	485	2.51E-02	590	5.08E-02	695	6.70E-03
385	2.89E-04	490	2.56E-02	595	5.00E-02	700	5.77E-03
390	3.16E-04	495	2.72E-02	600	4.89E-02	705	4.95E-03
395	2.53E-04	500	2.99E-02	605	4.72E-02	710	4.23E-03
400	2.51E-04	505	3.29E-02	610	4.51E-02	715	3.63E-03
405	2.88E-04	510	3.55E-02	615	4.29E-02	720	3.13E-03
410	4.65E-04	515	3.77E-02	620	4.01E-02	725	2.67E-03
415	9.51E-04	520	3.94E-02	625	3.73E-02	730	2.29E-03
420	1.97E-03	525	4.06E-02	630	3.44E-02	735	1.96E-03
425	3.87E-03	530	4.18E-02	635	3.14E-02	740	1.68E-03
430	7.17E-03	535	4.26E-02	640	2.85E-02	745	1.43E-03
435	1.27E-02	540	4.36E-02	645	2.56E-02	750	1.23E-03
440	2.17E-02	545	4.47E-02	650	2.28E-02	755	1.06E-03
445	3.65E-02	550	4.56E-02	655	2.03E-02	760	9.08E-04
450	5.97E-02	555	4.67E-02	660	1.79E-02	765	7.78E-04
455	8.00E-02	560	4.77E-02	665	1.57E-02	770	6.68E-04
460	7.39E-02	565	4.88E-02	670	1.38E-02	775	5.75E-04
465	5.49E-02	570	4.98E-02	675	1.20E-02	780	4.99E-04
470	4.35E-02	575	5.04E-02	680	1.04E-02		
475	3.52E-02	580	5.09E-02	685	9.01E-03		
480	2.79E-02	585	5.12E-02	690	7.78E-03		

Table 5: Spectral Power Distribution Numerical Data per Sphere - Spectroradiometer Method

LED T8 GLASS TUBE



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LED T8 Glass Tube

Installation

T8 Type B Installation Instructions

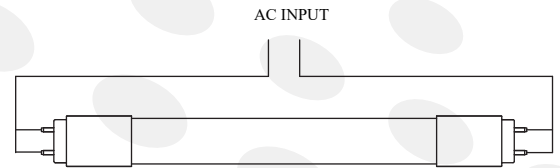
Assembly Introduction:

1.



Input Voltage: 120-277V 50/60Hz

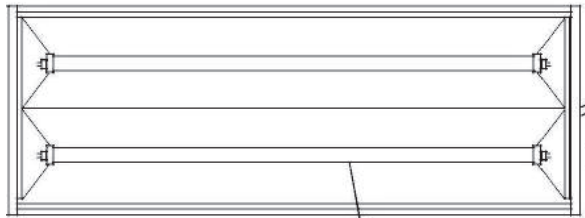
2.



Input Voltage: 120-277V 50/60Hz

Installation Guide:

1. DISCONNECT POWER OF LUMINAIRE



Luminaire

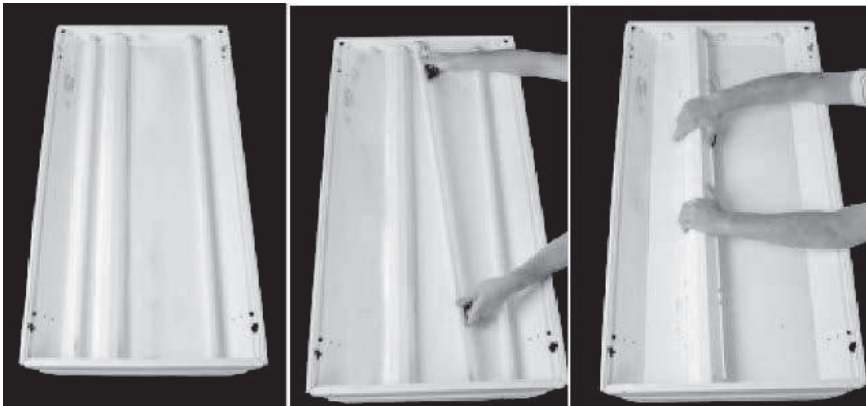
Fluorescent to be replaced

Disconnect power to luminaire or circuit (if possible). Ensure all power is off by using a voltmeter or other method to confirm.

Disconnect the power

REMOVE EXISTING TUBE LAMP (S)

- Remove troffer lens, if present.
- Remove existing fluorescent by rotating one quarter turn and sliding lamp (S).
- Remove ballast cover. (Cover may be secured with screws or tabs)



a) Troffer and lamps (lens removed)

b) Remove tube lamps

c) Remove ballast cover

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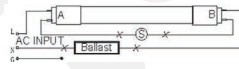


Installation

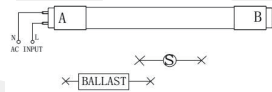
3. RETROFIT LUMINAIRE

a. Retrofit luminaire with inductive ballast

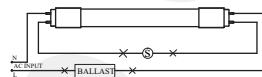
1) Disconnect the wires between starter and ballast according to the



2) Connect two wires to branch circuit L and N according to the below figure.



b. Retrofit luminaire with inductive ballast

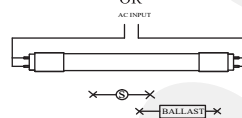


Disconnect the wires between starter and ballast according to the left figure.

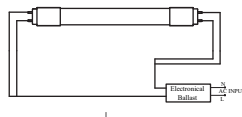


Connect two wires to branch circuit L and N according to the left figure.

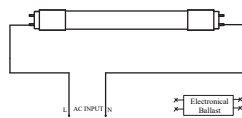
OR



c. Retrofit luminaire with electronic ballast

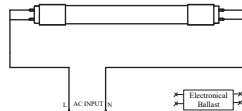


Disconnect the wires between starter and ballast according to the left figure.

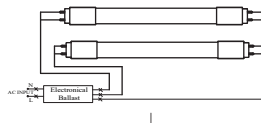


Connect two wires to branch circuit L and N according to the left figure.

OR



d. Retrofit luminaire with two lamps and one electronic ballast



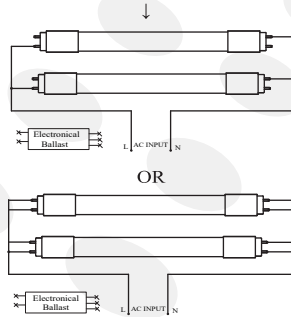
Disconnect the wires between starter and ballast according to the left figure.



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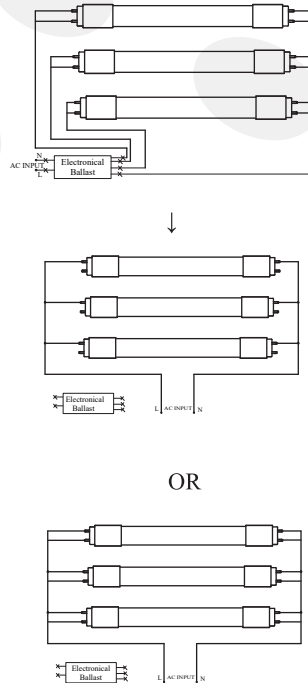
Installation



Connect two wires to branch circuit L and N according to the left figure.

OR

e. Retrofit luminaire with three lamps and one electronic ballast

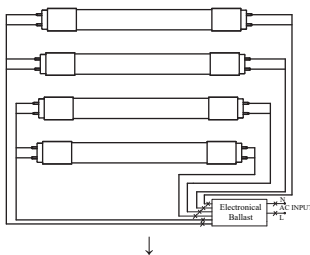


Disconnect the wires between starter and ballast according to the left figure.

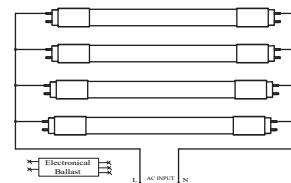
Connect two wires to branch circuit L and N according to the left figure.

OR

f. Retrofit luminaire with four lamps and one electronic ballast



Disconnect the wires between starter and ballast according to the left figure.



Connect two wires to branch circuit L and N according to the left figure.

OR



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LED T8 Glass Tube



Installation

4. INSERT LED TUBES

- a. Read label on the LED tube to ensure the power end of LED is aligned with powered tube socket, then insert LED lamp in the normal way by sliding pins into sockets and rotating a quarter turn until LED tube locks in place.
- b. LED lamps are now fully installed.
- c. Replace troffer lens, if present.
- d. After modification completed. Attach the Replacement Marking and Cautionary Label to a visible place on the luminaire and keep it visible after installation.

5. RESTORE THE POWER OF LUMINAIRE

Restore power to circuit/luminaire and test light. If necessary, adjust position of LED tube, and enjoy your new LED tube light!

6. MARKINGS/ INSTALLATION INSTRUCTION /WARNING:

- a. Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- b. Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- c. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation
- d. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- e. To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lamp holders. Note: Shunted lampholders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-start ballasts can be identified by the words "Instant Start" or "I.S." marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/IS. For more information, contact the LED luminaire retrofit kit manufacturer.
- f. Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors.
- g. For a linear tubular LED lamp conversion, there shall be text or diagram showing how the supply connections were made to the lamp holders so the correct connections will be made to the lamp when the lamp is installed or replaced.
- h. This retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having JURISDICTION.



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LED T8 Glass Tube

Packaging

Box size	Box weight	Box quantity
50" X 14" X 9"	26LBS	20PCS



Warranty

5 Years Warranty

LED T8 GLASS TUBE

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LED T8 Glass Tube



Application



LED T8 GLASS TUBE