superbrightleds.com

Important: Read all instructions prior to installation.

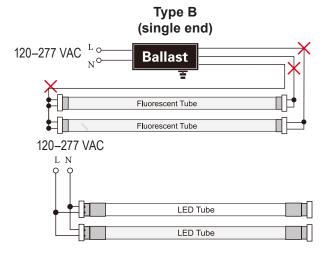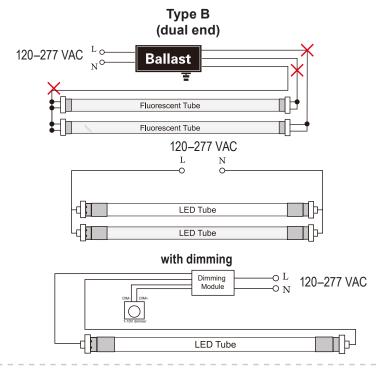# Type A / Single/Dual Side Type B LED Tube

Safety and Notes

- Product should be installed in accordance with all applicable national, state, and local building and electrical codes.
- To reduce the risk of electric shock, ensure that the main power source and circuit breakers are switched off before performing any installation or wiring procedures.
- Avoid looking directly into the lamp when illuminated.
- T8 tubes installed in tri-proof or vapor-tight fixtures may experience a reduction in their LED lifetime.
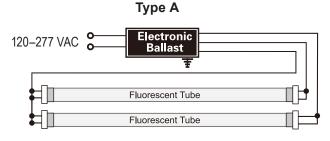
Type B Installation Instructions

1. Remove power from fixture before replacing lamps or modifying ballast.
2. Bypass ballast and use wire nuts to cover any exposed wire ends.
   Note: Tubes can be powered using single- or dual-sided installation.
3. If desired, install optional dimming module.
4. Install tubes into fixture, and install retrofit label in a visible location on the fixture.

Type B (single end)

120–277 VAC

Ballast

Fluorescent Tube
Fluorescent Tube

120–277 VAC

LED Tube
LED Tube

Type B (dual end)

120–277 VAC

Ballast

Fluorescent Tube
Fluorescent Tube

120–277 VAC

LED Tube
LED Tube

with dimming

Dimming Module

DIM-   DIM+

1-10V dimmer

120–277 VAC

LED Tube

Type A Installation Instructions

1. Refer to ballast compatibility chart to ensure bulbs will work with existing ballast.
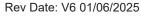2. Remove power from fixture before replacing lamps.
3. Install tubes into fixture.

Type A

120–277 VAC

Electronic Ballast

Fluorescent Tube
Fluorescent Tube

Important: Read all instructions prior to installation.

Single/Dual Side Type A/ Type B LED Tube

Modification Label

A label needs to be placed onto the fixture in a location that is visible during retrofit that has the following caution.

Caution Risk of Injury or Damage:
This luminaire has been modified to operate LED lamps. Do not attempt to install or operate fluorescent lamps in this luminaire.

CLASSIFIED UL®

LED LUMINAIRE RETROFIT KIT

FOR USE ONLY WITH FLUORESCENT LUMINAIRES AS IDENTIFIED IN MANUFACTURER'S INSTRUCTIONS.

Control No. 5NV5

Specifications

Model	T8U2-xK10-AFN	T8U4-xK15-AFN	T8U4-xK18-AFN
Operating Temperature	-4°–113° F (-20°–45° C)		
IP Rating	IP20		
Connection Type	G13 bi-pin		
Dimming	0–10 V dimming with compatible ballast (Type A) or using dimming module (Type B)		

Check product label for specific electrical specifications related to installation. Improper installation will void warranty.

Ballast Compatibility

Accupro

1	AP-432IP-UNV
2	AP-332IP-UNV-M

Advance

1	IOPA-4P32-LW-N

Espen

1	VE232MVHIPLE
2	VE232MVHIPE
3	VE432MVHIPE
4	VE432MVHIPLE
5	VE432120HIP

GE

1	GE232MAX-L/Ultra
2	GE332MAX-N/Ultra
3	GE232MAX347-N
4	GE432MAX347-N
5	GE232-MVPS-N
6	GE332-MVPS-N
7	GE432-MVPS-N
8	GE432-120RESDIYB
9	GE-240-RS-MV-N
10	GE232-N-347
11	GE132MAX-H/ULTRA

Halco

1	EP232IS/L/MV/HE

Howard Industries

1	EP3/32IS/MV/MC/HE

Keystone

1	KTEB-232RIS-1-TP-SL
2	KTEB-232RIS-1-TP-SL/Ga

Osram

1	QHE 2x32T8/UNV ISN-SC
2	QHE 3x32T8/UNV ISN-SC
3	QHE 3x32T8/UNV PSN-SC

Philips

1	ICN-2P32-N
2	ICN-3P32-N
3	IOP-4P32-LW-N
4	IOPA-1P32-N
5	IOPA-4P32-N
6	IOPA-2P32-LW-N
7	IOP-3P32-N

Sylvania

1	QHE 1x32T8/UNV ISN-SC
2	QHE 3x32T8/UNV ISL-SC
3	QTP 2x32T8/UNV ISL-SC
4	QT 4X32/120 LP
5	QT 2x32 T8/347 ISL-SC
6	QHE 4x32T8/347 ISN-SC
7	QHE 4x32T8/347 ISL-SC

Triad

1	B232IUNVHP-N
2	B332IUNVHP-A
3	B432IUNVHP-A
4	B232IUNVHP-B

Universal

1	B332IUNVHE-A
2	B432IUNVHE-A
3	B232IUNVEL-N
4	B332IUNVEL-A
5	B232IUNVHEH-A
6	B332PUNVHE-A
7	B4321UNVEL-A

Work Horse

1	WH3-120-C
2	WH3-120-L

Pacific Fluorescent

1	EB-232IS-120-RES