



# LED T8 Type AB Tubes

Lamp Ballast and Line Voltage Compatible



TCP now offers LED T8 Type AB Tubes. These T8 tubes provide Direct Wire or Plug and Play application and are compatible with many Instant Start Ballasts.

## Reasons to choose the LED T8 Type AB Tubes from TCP

- Bypass Application: 120-277 line voltage
- Plug and Play Application: Compatible with many Instant Start Ballasts
- Instant startup
- Double ended construction for safety
- Shunted or non-shunted lampholders
- Highly durable PET Coated glass available

## Ideal Applications

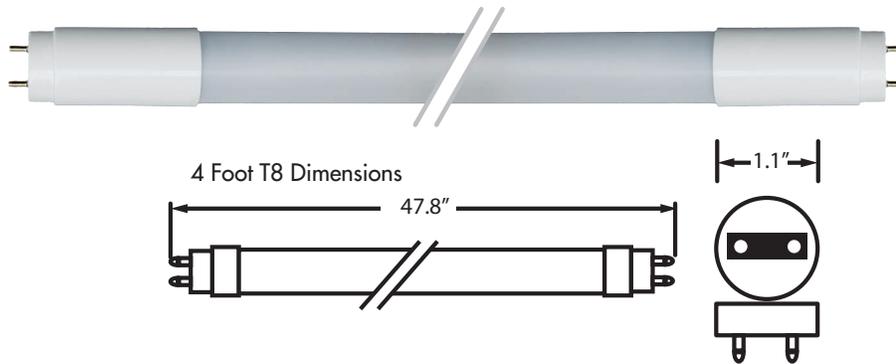
- Offices
- Restaurants
- Retail Stores
- Lobbies
- Schools
- Hospitals

## Specifications:

Base Types.....G13  
 Construction ..... Double-ended  
 Wattage..... 15W  
 Operating temperature range ..... -20C – 45C  
 Safety ..... ETL Classified  
 Target Replacement Lamps ..... 32W/48T8  
 Environment..... Damp/Dry Locations

Enclosed..... Suitable for enclosed luminaires  
 Rated Life..... L70 50,000+ hours  
 Beam Angle ..... 190°  
 Field Angle ..... 300°  
 Listing..... ETL Classified, RoHS Compliant  
 Warranty ..... Five years against defects in manufacturing

## Specifications:

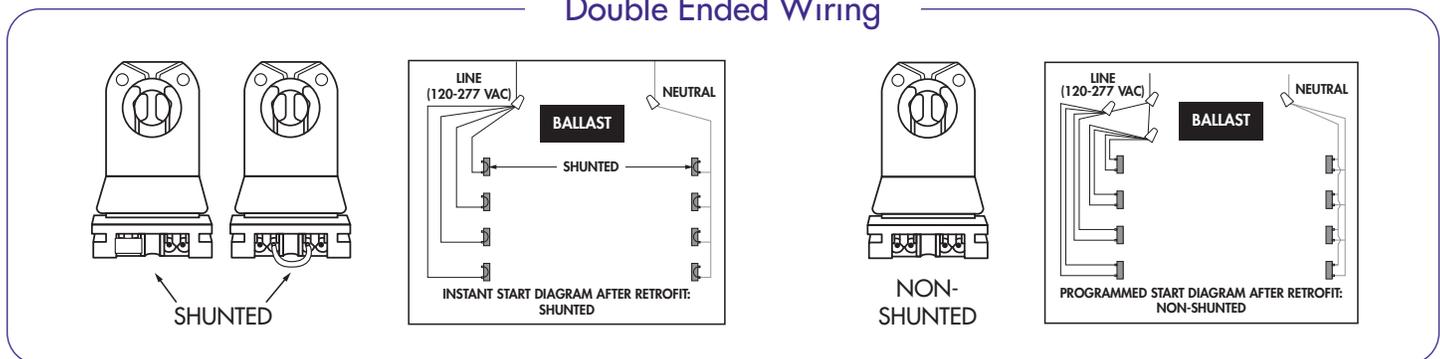


## LED Ballast Bypass Double Ended T8 Tubes

Item#	Description	CRI	PF	Color Temp	Line Voltage Watts	Line Voltage Lumens	Line Voltage LPW	NBF System Watts	NBF System Lumens*	NBF System LPW	Base	Warranty Years	Master Pack
<b>LED 12W T8 A + B – 4 FOOT GLASS (DLC# T80407XXE / DLC# T804003XXE)</b>													
LT815AB30K	LED T8 Type AB DE 30K	80	0.99	3000K	12W	1700	141.7	15W	1700	111.5	G13	5	25
LT815AB35K	LED T8 Type AB DE 35K	80	0.99	3500K	12W	1700	141.7	15W	1700	111.5	G13	5	25
LT815AB41K	LED T8 Type AB DE 41K	80	0.99	4100K	12W	1800	150.0	15W	1800	118.0	G13	5	25
LT815AB50K	LED T8 Type AB DE 50K	80	0.99	5000K	12W	1800	150.0	15W	1800	118.0	G13	5	25
<b>LED 12 WATT T8 TUBE – 4 FOOT PET COATED GLASS (DLC LOOK UP T80414XXE / T804003AXXE)</b>													
LPT815AB30K	LED T8 Type AB DE 30K	80	0.99	3000K	12	1700	141.7	15	1700	111.5	G13	5	25
LPT815AB35K	LED T8 Type AB DE 35K	80	0.99	3500K	12	1700	141.7	15	1700	111.5	G13	5	25
LPT815AB41K	LED T8 Type AB DE 41K	80	0.99	4100K	12	1800	150.0	15	1800	118.0	G13	5	25
LPT815AB50K	LED T8 Type AB DE 50K	80	0.99	5000K	12	1800	150.0	15	1800	118.0	G13	5	25

## Wiring Diagrams:

### Double Ended Wiring



## LED T8 Type AB Compatibility List

Brand	Item #	Start Method	Lamp Qty	Ballast Factor	Wiring Method	1 Lamp Fixture		2-3 lamp Fixture		
						120v	277v	120v	277v	
Osram Sylvania	QHE 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	QHE 1X32T8/UNV ISN-SC	IS	1	N	0.88	N/A	✓	✓	✓	✓
	QTP 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	N/A	✓	N/A	✓
	QT 2x32277 IS-SC	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	QHE 2X32T8/UNV ISH HT-SC	IS	2	H	1.2	Parallel	✓	✓	✓	✓
	QTP 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	✓	✓	✓	✓
Philips-Advance	ICN-2P32-SC	IS	2	N	0.89	Parallel	✓	✓	✓	✓
	VEL-2P32-SC	IS	2	N	0.88	Parallel	N/A	✓	N/A	✓
	ICN-3P32-SC	IS	3	N	0.89	Parallel	✓	✓	✓	✓
Universal Lighting	B332IUNVHPA	IS	3	N	0.88	Parallel	✓	✓	✓	✓
	B232I277RHA	IS	2	N	0.88	Parallel	N/A	✓	N/A	✓
General Electric	GE232MAX-G-N	IS	2	N	0.88	Parallel	✓	✓	✓	✓
ESPEN	VE232MVHIPHE	IS	2	H	1.19	Parallel	✓	✓	✓	✓
	VE2P32MVHIPE	IS	2	N	0.89	Parallel	✓	✓	✓	✓

Ballast compatibility tests are performed under a controlled lab environment. Field conditions may vary from this type of environment. Ballasts may differ by age and could have undergone revisions under the same item number affecting compatibility. Compatibility may also extend beyond this list. TCP recommends trying a few ballast-lamp combinations in an on-site test to ensure compatibility and performance before a major installation.

# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

For more information on the quality and care TCP can deliver, call us at **800.324.1496** or visit [tcp.com](http://tcp.com)

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