



LED T8 Tubes

Product Specifications

Assembled in USA

TCP's LED T8 Tubes are an excellent solution for replacing 4' fluorescent lamps. Available in both Type A and Type B, these energy-efficient tubes are assembled in the USA.

Reasons to choose LED T8 Tubes from TCP

- Over 50% energy savings compared to fluorescent alternatives
- Long life: 50,000 hours
- Assembled in USA
- Ballast compatible and bypass application constructions available
- Instant on/off
- Non-flickering
- Bypass construction: single/double ended
- Shunted or non-shunted sockets
- UL rated for enclosed fixtures and damp locations
- No energy loss due to fluorescent ballast
- Replaces 4' T8 Fluorescent lamps

Ideal Applications

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

Specifications:

Base Types.....G13
Line Voltage..... 120-277V
Minimum Starting Temperature Range:.....-22°F / -30°C
Maximum Operating Temperature..... 113°F / 45°C
Safety UL Classified and UL Component
Environment..... Damp/Dry Locations

Enclosed..... Suitable for enclosed luminaires
Rated Life..... L70 50,000+ hours
Beam Angle 190°
Field Angle 300°

Specifications:

Type A Plastic



G13 base

Listing



5 YEAR WARRANTY

Type B All Glass



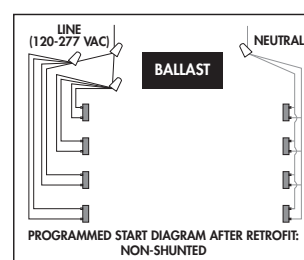
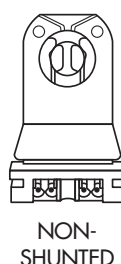
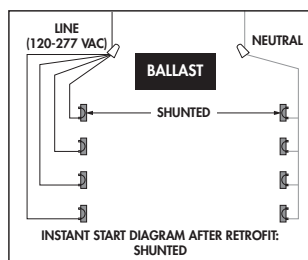
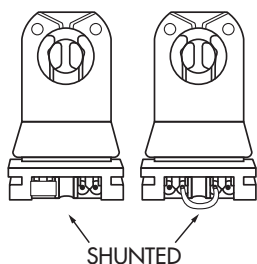
G13 base

Warranty

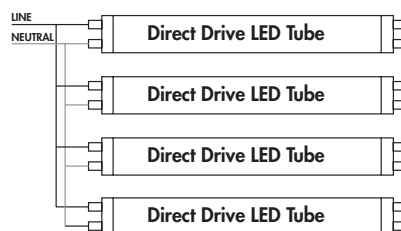
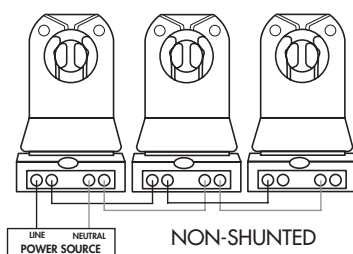
Five years against defects in manufacturing

Type B Wiring Diagrams:

Double Ended Wiring



Single Ended Wiring



Complete instructions tcpi.com / Business Resources / Business Resource Center

Item#	Description	NBF System Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
LED TYPE A TUBES										
LED 15 WATT T8 TYPE A TUBE – 4 FOOT 50,000 HOURS										
LPT815A41KUS	LED 15W 4' T8 41K	15	120-277V	32W	1800	120	G13	4100K	80	25

See ballast compatibility list next page.
Call for availability.

For the most up-to-date specs and warranty information, please visit www.tcpi.com



LED T8 Tubes

Instant Start Ballasts Compatible with LED Direct8™

Manufacturer	Model #	Voltage
ESPEN	VE2P32MVHIPE	UNV
	VE4P32MVHIPE	UNV
GE	GE132MAXL/ULTRA	UNV
	GE132MAXP-N/ULTRA	UNV
	GE232MAX347-N	347
	GE232MAX-N/ULTRA	UNV
	GE232MAX-G-N	UNV
	GE232MAXP-N/ULTRA	UNV
	GE232MAXH/ULTRA	UNV
	GE232MAXPH/ULTRA	UNV
	GE232MAXPL/ULTRA	UNV
	GE332MAXL/ULTRA	UNV
	GE332MAX-N/ULTRA	UNV
	GE332MAXP-N/ULTRA	UNV
	GE332MAX-G-N	UNV
	GE332MAXH/ULTRA	UNV
	GE432MAXPL/ULTRA	UNV
	GE432MAX-G-N	UNV
	GE432MAXN/ULTRA	UNV
	GE432MAXH/ULTRA	UNV
	GE432MAXPH/ULTRA	UNV
	QHE2X32T8/UNV ISN-SC	UNV
Osram/Sylvania	QHE2X32T8/UNV ISL-SC	UNV
	QHE2X32T8/UNV ISH-SC	UNV
	QHE2X32T8/347 ISN-SC	347
	QHE4X32T8/UNV ISN-SC	UNV
	QHE4X32T8/UNV ISL-SC	UNV
	QHE4X32T8/UNV ISH-SC	UNV
	QHE4X32T8/UNV ISH	UNV
	QTP2X32T8/UNV ISN-SC	UNV
	QTP3X32T8/UNV ISN-SC	UNV
	QTP2X32T8/UNV ISL-SC	UNV
	QTP3X32T8/UNV ISL-SC	UNV
	QTP2X32T8/UNV ISH-SC	UNV
	QTP3X32T8/UNV ISH-SC	UNV
	QTP4X32T8/UNV ISN-SC	UNV
Philips/Advance	IOPA-2P32-LW-N	UNV
	IOPA-3P32-LW-N	UNV
	IOPA-4P32-LW-N	UNV
	IOPA-4P32-N	UNV
	IOPA-2P32-HL-N	UNV
	IOPA-3P32-HL-N	UNV
	IOPA-2P32-LW-SC	UNV
	IOPA-4P32-LW-SC	UNV
	IOP-2P32-LW-N	UNV
	IOP-3P32-LW-N	UNV
	IOP-4P32-LW-N	UNV
	IOP-3P32-N	UNV
Manufacturer	Model #	Voltage
Philips/Advance (cont.)	ICN-1P32-N	UNV
	ICN-2P32-N	UNV
	ICN-3P32-N	UNV
	ICN-2P32-SC	UNV
	ICN-4P32-N	UNV
	GOPA-2P32-SC	347
	GOPA-4P32-SC	347
	REL-2P32-SC	UNV
	REL-2P32-RH-TP	UNV
	VEL-2P32-SC	UNV
	VEL-4P32-SC	UNV
	IOP-3P32-HL-90L-SC	UNV
	VOP-2P32-LW	277
	GEL-2P32-SC	347
	GEL-3P32-SC	347
	IOPA-3P32-N	UNV
	IOPA-2P32-N	UNV
	ICN-3P32-SC	UNV
	GEL-3P32-RH-TP	UNV
	GOPA-2P32-N	347
Standard	E432T8IS120/N/AS	UNV
	E232T8IS120/N/AS	UNV
	E432PI347G0/347	347
	E232T8IS347/H/90C	347
	E432T8IS347/H/90C	347
TCP	E2P32ISUNVE	UNV
	E2P32ISUNVHE	UNV
	E2P32ISUNVLE	UNV
	E3P32ISUNVE	UNV
	E3P32ISUNVHE	UNV
	E3P32ISUNVLE	UNV
	E4P32ISUNVE	UNV
	E4P32ISUNVHE	UNV
	E4P32ISUNVLE	UNV
	E2P32IS120RES	UNV
Universal	B132IUNVHP-N	UNV
	B232IUNVHP-N	UNV
	B232IUNVEL-A rev D	UNV
	B232I277RHA	277
	B232IUNVHP-N	UNV
	B332IUNVHP-A	UNV
	B432I277RHA	277
	B432I120RHA	UNV
	B232I120RHA*	UNV
	B432IUNVHP-A	UNV
	B23IUNVHP-N01OC	UNV
	B232IUNVEL-A	UNV
Keystone	KTEB-232-UVIS-NP	UNV

*Requires 5 minutes of warm up time
Instant Start Ballasts Not Recommended for use with LED Direct8 include:
Philips/Advance: IOP-3P32-LW-SC, IOP-2P32-LW-SC

For the most up-to-date specs and warranty information, please visit www.tcp.com

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.

Sales:

Date:

Model:

Project:

Rep:

Catalog Number:

Type:

Notes:



For more information on the quality and care TCP can deliver, call us at **800.324.1496** or visit tcpi.com

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