



LED Pro Line T8 Tubes



Reasons to choose LED Pro Line T8

- > 50% Energy savings vs. 32w fluorescent
- 50,000 hour life minimizes the need for replacement and labor costs
- Type A compatible with Instant Start ballasts
- Type B can be wired directly to the line voltage eliminating the need for ballasts
- Type B is double end (shunted or non-shunted sockets) or single end (non-shunted sockets only) wired
- Inexpensive alternative for cost-sensitive projects
- Rated for open or enclosed fixtures
- Rated for damp or dry locations

Ideal Applications

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

LED Pro Line T8 Tubes - Type A

Item#	Description	Line Voltage Watts	Line Voltage Lumens	Line Voltage LPW	Lamp Watts	Equiv Watts	NBF System Watts	NBF System Lumens	NBF System LPW	Color Temp	CRI	Hours	PF	Voltage	Base
TYPE A --LED 12 WATT T8 TUBE – 4 FOOT GLASS (DLC SEARCH "L12T8D50")															
L12T8D5041K	LED 12W 4' T8 IS 41K	–	–	–	12W	32W	14.9	1800	120.8	4100K	80	50000	0.99	120-277	G13
L12T8D5050K	LED 12W 4' T8 IS 50K	–	–	–	12W	32W	14.9	1800	120.8	5000K	80	50000	0.99	120-277	G13
TYPE A--LED T8 U6 PLASTIC															
LSU6T815IS41K	LED 15W U6 T8 A IS 41K	–	–	–	15W	32W	17	1800	100	4100K	80	50000	0.99	120-277	G13
LSU6T815IS50K	LED 15W U6 T8 A IS 50K	–	–	–	15W	32W	17	1800	100	5000K	80	50000	0.99	120-277	G13

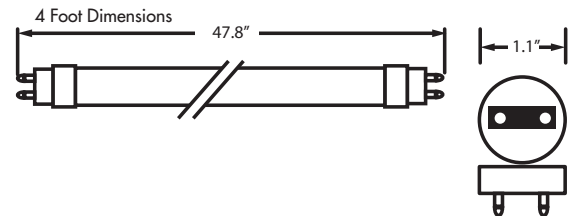
LED Pro Line T8 Tubes - Type B

TYPE B--LED 13.5 WATT T8 TUBE – 4 FOOT FROSTED GLASS															
LT813B241K	LED 13.5W 4' T8 2E BYPASS 41K	13.5	1800	140.7	–	32W	–	–	–	4100K	80	50000	0.99	120-277	G13
LT813B250K	LED 13.5W 4' T8 2E BYPASS 50K	13.5	1800	140.7	–	32W	–	–	–	5000K	80	50000	0.99	120-277	G13

Specifications:

Listing

UL/cUL Listed – damp location rated
Approved for open and enclosed fixtures



Warranty

Five years against defects in manufacturing

Item #	Type	Min Starting Temp	Max Operating Temp	Voltage	Beam Angle	Field Angle*	PF	THD**
LS4T815IS41K, LS4T815IS50K	A	-20°C / -4°F	45°C / 113°F	120-277v	190°	310°	> .99	< 8%
LS4T814B241K, LS4T814B250K	B	-20°C / -4°F	45°C / 113°F	120-277v	190°	310°	> .99	< 8%

* Calculated
** at 120v, ballast dependent



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Instant Start Ballasts Compatible with L12T8D50xxK Series

Manufacturer	Model #	Voltage
ESPEN	VE2P32MVHIPE	UNV
	VE4P32MVHIPE	UNV
GE	GE132MAXL/ULTRA	UNV
	GE132MAXP-N/ULTRA	UNV
	GE232MAX347-N	347
	GE232MAXN/ULTRA	UNV
	GE232MAXG-N	UNV
	GE232MAXP-N/ULTRA	UNV
	GE232MAXH/ULTRA	UNV
	GE232MAXP-H/ULTRA	UNV
	GE232MAXPL/ULTRA	UNV
	GE332MAXL/ULTRA	UNV
	GE332MAXN/ULTRA	UNV
	GE332MAXP-N/ULTRA	UNV
	GE332MAXG-N	UNV
	GE332MAXH/ULTRA	UNV
	GE432MAXPL/ULTRA	UNV
	GE432MAXG-N	UNV
	GE432MAXN/ULTRA	UNV
	GE432MAXH/ULTRA	UNV
GE432MAXP-H/ULTRA	UNV	
Osram/Sylvania	QHE2X32T8/UNV ISN-SC	UNV
	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-3P32HL-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
	B332IUNVHPA	UNV
	B432I1277RHA	277
	B432I120RHA	UNV
	B232I120RHA*	UNV
	B432I1UNVHPA	UNV
B23IUNVHP-N010C	UNV	
B232IUNVEL-A	UNV	
Keystone	KTEB-232-UVIS-N-P	UNV

Emergency Ballasts Compatible with LED DirecT8™

Manufacturer	Model #	Voltage
IOTA	I320	I320
Bodine	B30	B30
	B50	B50

*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

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.

Type A



Type B



5 YEAR WARRANTY

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 tcp.com

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