



## T8 Type A+B LED T8 Lamps

### HIGHLIGHTS

- LED T8 Type A+B Dual Mode lamps easily replaces existing T8 fluorescent lamps in two ways: either by working with the existing fluorescent ballast (Type A) or bypassing the ballast and wiring directly to line voltage (Type B)
- Internal LED driver (when using the Type B installation method) means no need to replace a ballast resulting in long-term maintenance savings
- Offered in the most popular 4' length and CCT
- No socket changes; uses shunted or non-shunted sockets (when using Type A installation method, for applicable single or double-ended applications)
- For Type A installation, functions on most electronic T8 (instant & programmed) and battery backup ballasts
- Instantaneous full light output upon power-up
- Wide illumination angle provides 330° of light distribution
- Glass material for better light transmission
- Frosted glass lens reduces visual glare and provides optimal heat dissipation

### CERTIFICATIONS

- UL Listed for Damp Locations
- FCC Compliant
- RoHS Compliant
- DesignLights Consortium® Qualified - meets DLC requirements for efficacy and lumen maintenance

### PERFORMANCE

- High efficacy: up to 150 lm/W
- Available in 3500K, 4000K or 5000K CCT
- CRI >82
- Rated lifetime L70: >50,000 hours @ 45°C

### ELECTRICAL

- Input voltage (Type B installation): 120-277V, 50/60 Hz
- Built-in surge protection up to 1KV
- Power Factor: >0.9
- THD: <20%

### THERMAL

- -4°F to 113°F (-20°C to 45°C) operating temperature

### CONSTRUCTION

- Available in 4' length
- Frosted glass lens
- G13 base
- Not to be used in an enclosed fixture

### COMPATABILITY

- For a list of compatible ballasts, please visit [eiko.com](http://eiko.com).

### WARRANTY

- 5-Year limited warranty available [online](http://online). Contact your EiKO sales rep for additional details.

project name	type
catalog number	voltage
approved by	date



T8 Type A+B Lamps  
Available in 4' length



## KEY FEATURES

### TYPE A+B FLEXIBILITY

Type A+B lamps provide a greater flexibility in installation methods: use an existing ballast or wire directly to line voltage

### WIDE RANGE OF COMPATIBILITY

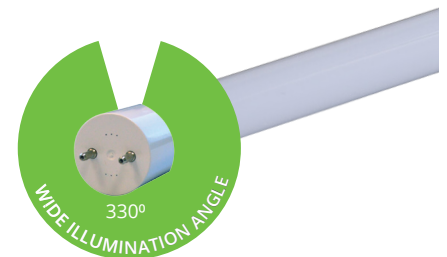
**For Type A installation:** these T8 A+B tubes are compatible with a wide range of ballasts (instant-start, programmed start, programmed dimmable, and emergency)

### NO BALLAST REQUIRED

**For Type B Installation:** eliminate the ballast with a simple installation using shunted or non-shunted sockets for single or double-ended install

### WIDER BEAM, MORE LIGHT

Wide illumination angle provides 330° of light distribution



## AVAILABLE MODELS

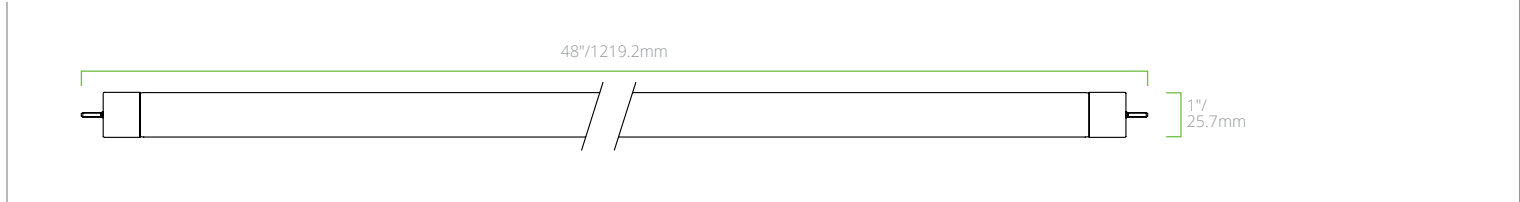
ORDER CODE	ITEM #	WATTS	LUMENS	CCT	EFFICACY (lm/W)	INPUT VOLTAGE	SINGLE + DOUBLE-ENDED	TRADITIONAL WATTAGE EQUIVALENT	DLC ID#
<b>4' LENGTH</b>									
12943	L12WT8/48/ABSDG/835	12W	1700 lm	3500K	141 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLJ5AKR1KTKW
12945	L12WT8/48/ABSDG/840	12W	1800 lm	4000K	150 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PL3B7YAJ1VRA
12934	L12WT8/48/ABSDG/850	12W	1800 lm	5000K	150 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLKM6BKSFXP0
12929	L15WT8/48/ABSDG/835	15W	2100 lm	3500K	140 lm/W	120-277V	Single + Double-ended	32W Fluorescent	S-ONOE9X
12953	L15WT8/48/ABSDG/840	15W	2200 lm	4000K	146 lm/W	120-277V	Single + Double-ended	32W Fluorescent	S-IVX471
12952	L15WT8/48/ABSDG/850	15W	2200 lm	5000K	146 lm/W	120-277V	Single + Double-ended	32W Fluorescent	S-PFHOM5

## COMPATIBLE EMERGENCY BATTERIES (FOR TYPE B INSTALLATION ONLY)

ORDER CODE	ITEM #	DESCRIPTION	INPUT VOLTAGE	EMERGENCY TIME	OUTPUT POWER	BACKUP LUMENS	RECHARGE TIME	TITLE 20
10361	EMB-CP-5WBT-U	External Emergency Battery, 5W	120-277V	>90 mins	5W	700 lm	24 hrs	Yes
11675	EEBE18WHA170S	External Emergency Battery, 18W	120-347V	>90 mins	18W	Refer to lamp*	24 hrs	Yes

\*Refer to the lamp's lumen output for the Backup Lumens

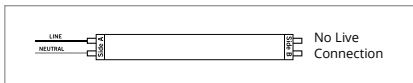
## PRODUCT DIMENSIONS



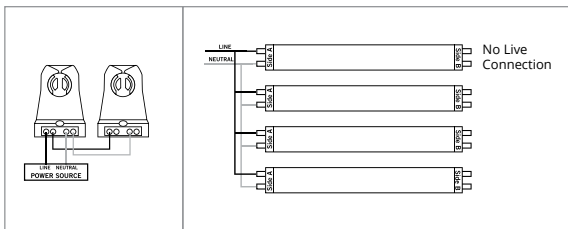
## TYPE B WIRING DIAGRAMS

### SINGLE-ENDED

#### Single Lamp Installation

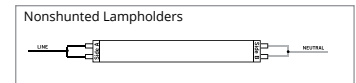
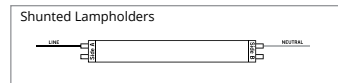


#### Multiple Lamp Installation

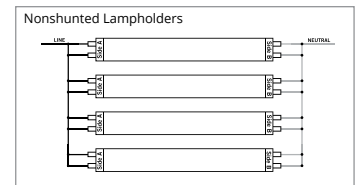
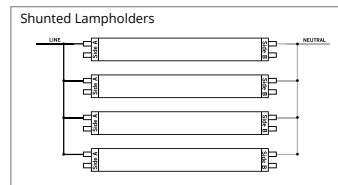


### DOUBLE-ENDED\*\*

#### Single Lamp Installation



#### Multiple Lamp Installation



\*\*Note: Both pins on each end of the lamp must be connected to line voltage as shown above. If lamp holder is a non-shunted type, it must be shunted (shorted) by external jumper.