



# T8 Type B LED T8 Lamps

## HIGHLIGHTS

- LED T8 Type B lamps easily replaces existing T8 fluorescent lamps by bypassing the existing fluorescent ballast and wiring directly to line voltage
- Internal LED driver means no need to replace a ballast resulting in long-term maintenance savings
- FieldCCeT models provide the ability to select between 3000K, 3500K, 4000K, 5000K or 6500K, all in one lamp
- No socket changes; uses shunted or non-shunted sockets, for applicable single or double-ended applications
- Wide illumination angle provides 330° of light distribution
- Instantaneous full light output upon power-up
- 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 173 lm/W
- Available in single CCT models: 3500K, 4000K or 5000K CCT or FieldCCeT models: (field-selectable CCT 30/35/40/50/6500K)
- CRI >82
- Rated lifetime L70: >50,000 hours @ 45°C

## ELECTRICAL

- Input voltage: 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

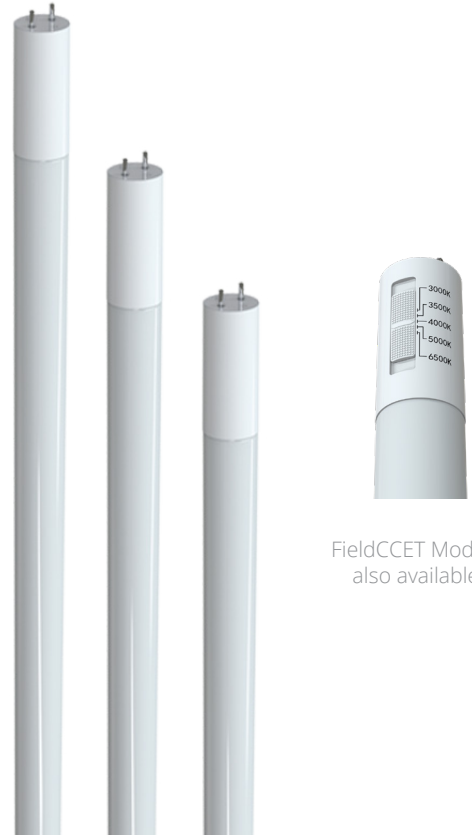
## CONSTRUCTION

- Available in 2', 3', and 4' lengths
- Frosted glass lens
- G13 base
- Not to be used in an enclosed fixture

## WARRANTY

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

project name	type
catalog number	voltage
approved by	date



FieldCCeT Models also available

T8 Type B Lamps Available in 2', 3' and 4' lengths



## KEY FEATURES

### NO BALLAST REQUIRED

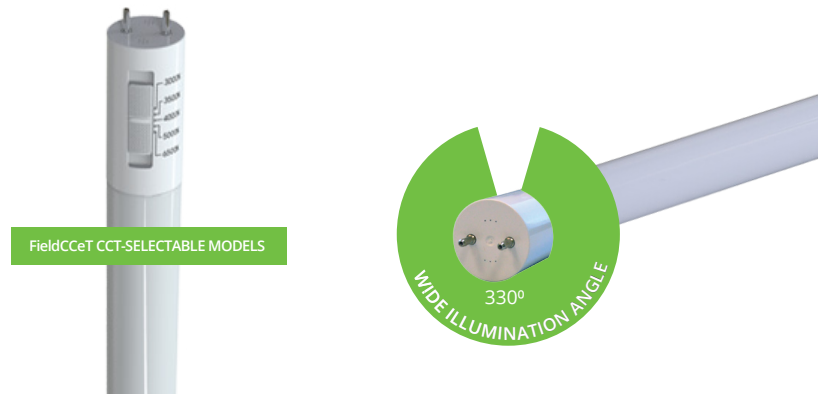
Eliminate the ballast with a simple installation using shunted or non-shunted sockets for single or double-ended install

### FIVE COLOR TEMPERATURES IN ONE

FieldCCeT models (one SKU providing 3000K, 3500K, 4000K, 5000K, and 6500K CCT) allows you to reduce your inventory while providing more flexibility to your customers

### 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>2' LENGTH</b>									
12949	L9WT8/24/BSGD/835	9W	1100 lm	3500K	122lm/W	120-277V	Single + Double-ended	17W Fluorescent	S-T6LHX9
12946	L9WT8/24/BSGD/840	9W	1150 lm	4000K	127 lm/W	120-277V	Single + Double-ended	17W Fluorescent	S-S29Y48
12930	L9WT8/24/BSGD/850	9W	1150 lm	5000K	127 lm/W	120-277V	Single + Double-ended	17W Fluorescent	S-43VOY6
12937	L9WT8/24/BSGD/FCCT	9W	1150 lm	30/35/40/50/6500K	127 lm/W	120-277V	Single + Double-ended	17W Fluorescent	S-KR01YN
<b>3' LENGTH</b>									
12927	L12WT8/36/BSGD/835	12W	1400 lm	3500K	116 lm/W	120-277V	Single + Double-ended	25W Fluorescent	S-C1XR5N
12928	L12WT8/36/BSGD/840	12W	1450 lm	4000K	120 lm/W	120-277V	Single + Double-ended	25W Fluorescent	S-YWUMT2
12935	L12WT8/36/BSGD/850	12W	1450 lm	5000K	120 lm/W	120-277V	Single + Double-ended	25W Fluorescent	S-BGUK21
12951	L12WT8/36/BSGD/FCCT	12W	1450 lm	30/35/40/50/6500K	120 lm/W	120-277V	Single + Double-ended	25W Fluorescent	S-RU00XZ
<b>4' LENGTH</b>									
12942	L9.5WT8/48/BSGD/835	9.5W	1600 lm	3500K	168 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLG3CR73ZC8Q
12940	L9.5WT8/48/BSGD/840	9.5W	1650 lm	4000K	173 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLZ27QNT3Y9
12938	L9.5WT8/48/BSGD/850	9.5W	1650 lm	5000K	173 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLZV16XPCO3X
12948	L12WT8/48/BSGD/835	12W	1700 lm	3500K	141 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLI1ER915TXS
12941	L12WT8/48/BSGD/840	12W	1800 lm	4000K	150 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLR44UNH947M
12947	L12WT8/48/BSGD/850	12W	1800 lm	5000K	150 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLS988U884O1
12933	L14WT8/48/BSGD/FCCT	14W	1800 lm	30/35/40/50/6500K	128 lm/W	120-277V	Single + Double-ended	32W Fluorescent	S-SI3T7L
12931	L15WT8/48/BSG/840	15W	1800 lm	4000K	120 lm/W	120-277V	Single-ended	32W Fluorescent	P2J5PJD6
12956	L15WT8/48/BSG/850	15W	1800 lm	5000K	120 lm/W	120-277V	Single-ended	32W Fluorescent	P5DYPYSH
12954	L15WT8/48/BSGD/835	15W	2100 lm	3500K	140 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLC635B4BHZI
12936	L15WT8/48/BSGD/840	15W	2200 lm	4000K	146 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PLGRXV4SCABP
12958	L15WT8/48/BSGD/850	15W	2200 lm	5000K	146 lm/W	120-277V	Single + Double-ended	32W Fluorescent	PL52JOCENV2

\*All FieldCCT lamps ship at 4000K CCT.

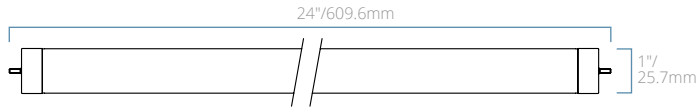
## COMPATIBLE EMERGENCY BATTERIES (FOR TYPE B INSTALLATION ONLY)

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	24 hrs	Yes
11675	EEBE18WHA170S	External Emergency Battery, 18W	120-347V	>90 mins	18W	Refer to lamp**	24 hrs	Yes

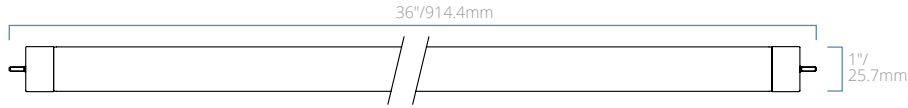
\*\*Refer to the lamp's lumen output for the Backup Lumens

## PRODUCT DIMENSIONS

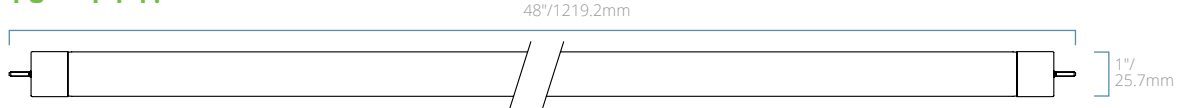
### T8 - 2 FT.



### T8 - 3 FT.



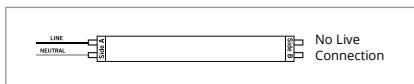
### T8 - 4 FT.



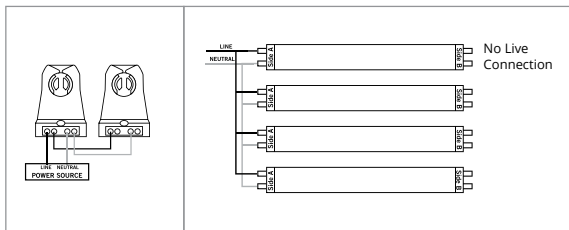
## WIRING DIAGRAMS

### SINGLE-ENDED

#### Single Lamp Installation

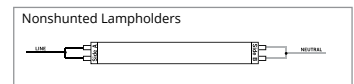
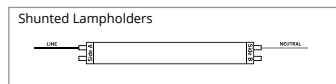


#### Multiple Lamp Installation

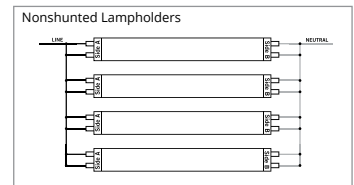
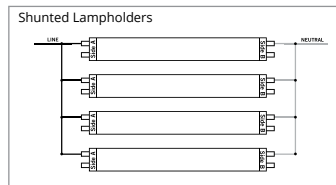


### DOUBLE-ENDED\*

#### 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.