



T8 Type B LED T8 Lamps: Glass & Plastic

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
- No socket changes; uses shunted or non-shunted sockets, for applicable single or double-ended applications
- Instantaneous full light output upon power-up
- Wide illumination angle provides up to 330° of light distribution
- Glass material for better light transmission (glass models)
- Plastic (polycarbonate) material for durability and reduced breakage (plastic models)
- Frosted lens reduces visual glare
- Plastic models meet the requirements for NSF; aiding as a component to a NSF lighting system
- FieldCCeT models provide the ability to select between 2700 to 5000K (120-277V) or 3000 to 6500K (120-347V), all in one lamp

CERTIFICATIONS

- UL Certified for US & Canada
- FCC Compliant
- RoHS Compliant
- ICES-005 Compliant
- Damp Location
- DesignLights Consortium® Qualified - meets DLC requirements for efficacy and lumen maintenance

PERFORMANCE

- High efficacy, up to 173 lm/W
- Available in single CCT models: 3500, 4000, 5000K or FieldCCeT models: (field-selectable CCT 30/35/40/50/6500K)
- CRI: >82
- 330° illumination angle, with a beam angle of 210° for glass and up to 180° for plastic
- Rated Life 70: >50,000 hours

ELECTRICAL

- Input voltage: 120-277V or 120-347V, 50/60Hz
- 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
- Not recommended for air-tight fixtures

CONSTRUCTION

- Available in 2', 3', 4" and 8' lengths
- Frosted glass lens provides optimal heat dissipation (glass models)
- Polycarbonate lens for durability (plastic models)
- G13 bi-pin, FA8 and R17D base options

WARRANTY

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

KEY FEATURES

NO BALLAST REQUIRED

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

SHATTER RESISTANT & NSF

Polycarbonate lamps meet the requirements for NSF; aiding as a component to a NSF lighting system and reduces breakage

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

project name	type
catalog number	voltage
approved by	date



T8 Type B Glass G13 Lamps
Available in 2', 3' and 4' lengths



FieldCCeT Models
also available



T8 Type B Plastic FA8 Lamps
Available in 8' lengths



T8 Type B Plastic G13 Lamps
Available in 8' lengths



T8 Type B Plastic R17D Lamps
Available in 8' lengths



APPLICATIONS

- Office
- Hospital
- Classroom
- Hotel
- Retail
- Warehouse
- Stairwell
- Hallway
- Production
- Gym
- Campus

AVAILABLE MODELS*

ORDER CODE	ITEM #	WATTS	LUMENS	CCT*	EFFICACY (lm/W)	INPUT VOLTAGE	ILLUMINATION ANGLE	SINGLE + DOUBLE-ENDED	TRADITIONAL WATTAGE EQUIVALENT	DLC ID#
										STANDARD
GLASS										
2' LENGTH										
12949	L9WT8/24/BSDG/835	9	1100	3500	122	120-277	330°	Single + Double-ended	17W Fluorescent	S-T6LHX9
12946	L9WT8/24/BSDG/840	9	1150	4000	127	120-277	330°	Single + Double-ended	17W Fluorescent	S-S29Y48
12930	L9WT8/24/BSDG/850	9	1150	5000	127	120-277	330°	Single + Double-ended	17W Fluorescent	S-43VOY6
12937	L9WT8/24/BSDG/FCCT	9	1150	30/35/40/50/65	127	120-277	330°	Single + Double-ended	17W Fluorescent	S-KR01YN
15191	L9WT8/24/BSDG/H/FCCT	9	1200	27/30/35/40/50	133	120-347	330°	Single + Double-ended	17W Fluorescent	S-04BWZD
3' LENGTH										
12927	L12WT8/36/BSDG/835	12	1400	3500	116	120-277	330°	Single + Double-ended	25W Fluorescent	S-C1XR5N
12928	L12WT8/36/BSDG/840	12	1450	4000	120	120-277	330°	Single + Double-ended	25W Fluorescent	S-YWUMT2
12935	L12WT8/36/BSDG/850	12	1450	5000	120	120-277	330°	Single + Double-ended	25W Fluorescent	S-BGUK21
12951	L12WT8/36/BSDG/FCCT	12	1450	30/35/40/50/65	120	120-277	330°	Single + Double-ended	25W Fluorescent	S-RU00XZ
15193	L12WT8/36/BSDG/H/FCCT	12	1600	27/30/35/40/50	133	120-347	330°	Single + Double-ended	25W Fluorescent	S-ZCV4SY
4' LENGTH										
12942	L9.5WT8/48/BSDG/835	9.5	1600	3500	168	120-277	330°	Single + Double-ended	32W Fluorescent	PLG3CR73ZC8Q
12940	L9.5WT8/48/BSDG/840	9.5	1650	4000	173	120-277	330°	Single + Double-ended	32W Fluorescent	PLZ27QNT3Y9
12938	L9.5WT8/48/BSDG/850	9.5	1650	5000	173	120-277	330°	Single + Double-ended	32W Fluorescent	PLZV16XPCO3X
12948	L12WT8/48/BSDG/835	12	1700	3500	141	120-277	330°	Single + Double-ended	32W Fluorescent	PLI1ER915TXS
12941	L12WT8/48/BSDG/840	12	1800	4000	150	120-277	330°	Single + Double-ended	32W Fluorescent	PLR44UNH947M
12947	L12WT8/48/BSDG/850	12	1800	5000	150	120-277	330°	Single + Double-ended	32W Fluorescent	PLS988U884O1
12933	L14WT8/48/BSDG/FCCT	14	1800	30/35/40/50/65	128	120-277	330°	Single + Double-ended	32W Fluorescent	S-SI3T7L
12931	L15WT8/48/BSG/840	15	1800	4000	120	120-277	330°	Single-ended	32W Fluorescent	P2J5PJD6
12956	L15WT8/48/BSG/850	15	1800	5000	120	120-277	330°	Single-ended	32W Fluorescent	P5DYPYSH
12954	L15WT8/48/BSDG/835	15	2100	3500	140	120-277	330°	Single + Double-ended	32W Fluorescent	PLC635B4BHZI
12936	L15WT8/48/BSDG/840	15	2200	4000	146	120-277	330°	Single + Double-ended	32W Fluorescent	PLGRXV4SCABP
12958	L15WT8/48/BSDG/850	15	2200	5000	146	120-277	330°	Single + Double-ended	32W Fluorescent	PL52JOOCENV2
12936	L15WT8/48/BSDG/840	15	2200	4000	146	120-277	330°	Single + Double-ended	32W Fluorescent	PLGRXV4SCABP
12958	L15WT8/48/BSDG/850	15	2200	5000	146	120-277	330°	Single + Double-ended	32W Fluorescent	PL52JOOCENV2
15195	L10.5WT8/48/BSDG/H/FCCT	10.5	1800	27/30/35/40/50	171	120-347	330°	Single + Double-ended	32W Fluorescent	S-FF5BD8
15196	L15WT8/48/BSDG/H/FCCT	15	2200	27/30/35/40/50	147	120-347	330°	Single + Double-ended	32W Fluorescent	S-D6X2M6W
15577	L18WT8-48-BSDG-840	18	2700	4000	150	120-277	330°	Single + Double-ended	32W Fluorescent	S-38TL6V
15578	L18WT8-48-BSDG-850	18	2700	5000	150	120-277	330°	Single + Double-ended	32W Fluorescent	S-9284RW
15579	L24WT8-48-BSDG-840	24	3600	4000	150	120-277	330°	Single + Double-ended	32W Fluorescent	S-ZK9KL2
15580	L24WT8-48-BSDG-850	24	3600	5000	150	120-277	330°	Single + Double-ended	32W Fluorescent	S-TBTSL9

*All FieldCCeT lamps ship at 4000K CCT

ORDER CODE	ITEM #	WATTS	LUMENS	CCT*	EFFICACY (lm/W)	INPUT VOLTAGE	ILLUMINATION ANGLE	SINGLE + DOUBLE-ENDED	TRADITIONAL WATTAGE EQUIVALENT	DLC ID# STANDARD
PLASTIC										
2' LENGTH										
13258	L8WT8-24-BDP-840	8	1200	4000	150	120-277	330°	Double-ended	17W Fluorescent	S-LNK4FE
13259	L8WT8-24-BDP-850	8	1200	5000	150	120-277	330°	Double-ended	17W Fluorescent	S-7WFX34
3' LENGTH										
13261	L9.5WT8-36-BDP-840	9.5	1400	4000	147	120-277	330°	Double-ended	25W Fluorescent	S-09MFLR
13262	L9.5WT8-36-BDP-850	9.5	1400	5000	147	120-277	330°	Double-ended	25W Fluorescent	S-2QDIMB
4' LENGTH										
13264	L9.9WT8-48-BDP-840	9.9	1600	4000	161	120-277	330°	Double-ended	28W Fluorescent	S-6DPAUI
13265	L9.9WT8-48-BDP-850	9.9	1600	5000	161	120-277	330°	Double-ended	28W Fluorescent	S-HRQM32
13267	L14.5WT8-48-BDP-840	14.5	2100	4000	144	120-277	330°	Double-ended	32W Fluorescent	S-42IHO6
13268	L14.5WT8-48-BDP-850	14.5	2100	5000	144	120-277	330°	Double-ended	32W Fluorescent	S-D1NPHV
8' LENGTH										
13273	L23.5WT8-96-BDP-840-FA8	23.5	3500	4000	148	120-277	330°	Double-ended	54W Fluorescent	S-25NK7U
13270	L23.5WT8-96-BDP-840-G13	23.5	3500	4000	148	120-277	330°	Double-ended	54W Fluorescent	No DLC Category
13274	L23.5WT8-96-BDP-850-FA8	23.5	3500	5000	148	120-277	330°	Double-ended	54W Fluorescent	S-YRPFJ8
13271	L23.5WT8-96-BDP-850-G13	23.5	3500	5000	148	120-277	330°	Double-ended	54W Fluorescent	No DLC Category
13276	L36.5WT8-96-BDP-840-FA8	36.5	5500	4000	150	120-277	330°	Double-ended	96W Fluorescent	S-3R1MUT
13279	L36.5WT8-96-BDP-840-R17D	36.5	5500	4000	150	120-277	330°	Double-ended	96W Fluorescent	No DLC Category
13277	L36.5WT8-96-BDP-850-FA8	36.5	5500	5000	150	120-277	330°	Double-ended	96W Fluorescent	S-7GBDJI
13280	L36.5WT8-96-BDP-850-R17D	36.5	5500	5000	150	120-277	330°	Double-ended	96W Fluorescent	No DLC Category

* All FieldCCeT 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

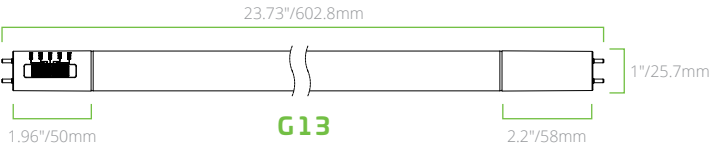
* Refer to the lamp's lumen output for the Backup Lumens

** Battery backups are NOT compatible with 8' Lamps

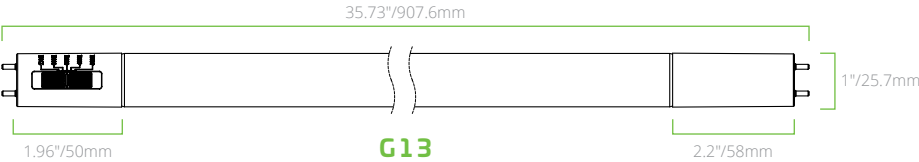
PRODUCT DIMENSIONS

TYPE B GLASS & PLASTIC

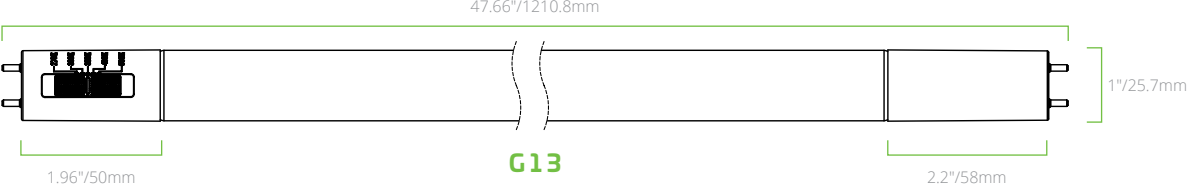
T8 - 2 FT.



T8 - 3 FT.



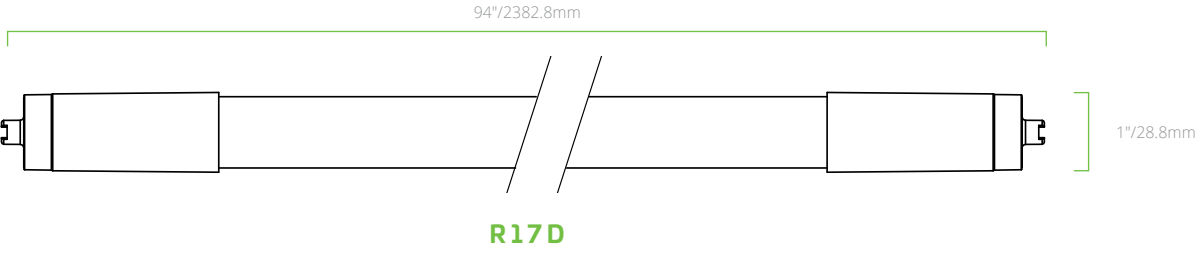
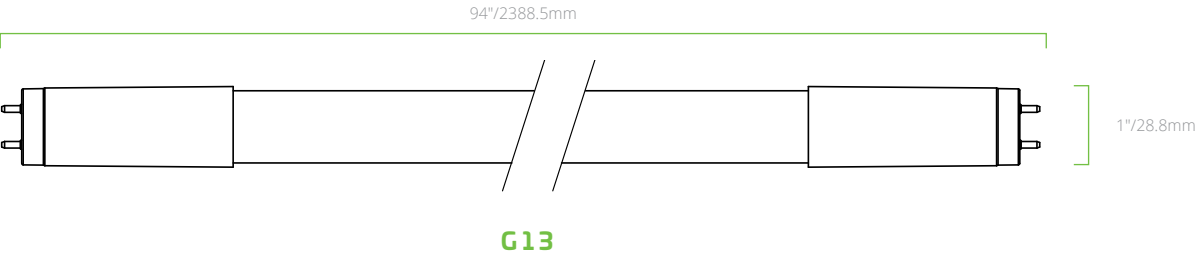
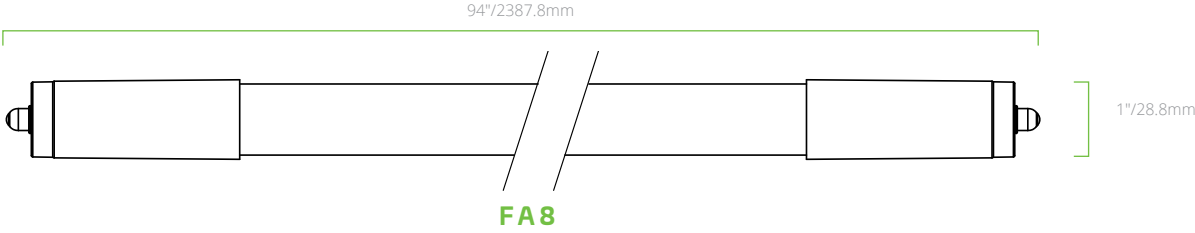
T8 - 4 FT.



PRODUCT DIMENSIONS CONT'D

TYPE B PLASTIC

T8 - 8 FT.



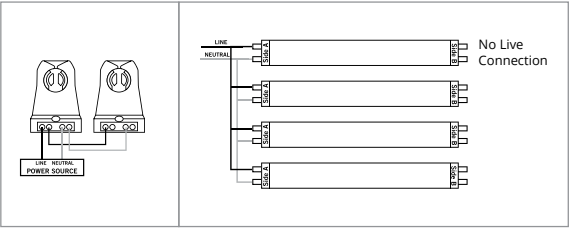
WIRING DIAGRAMS G13 LAMPS

SINGLE-ENDED

Single Lamp Installation

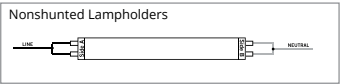
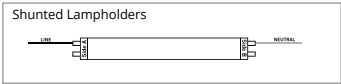


Multiple Lamp Installation

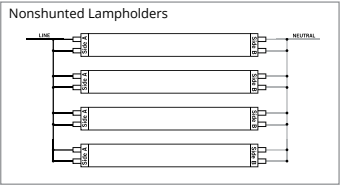
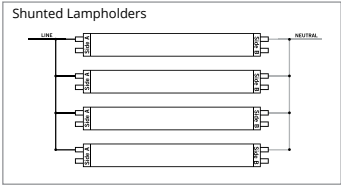


DOUBLE-ENDED*

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.