

## LED T8 Tube Type A+B - Ballast Compatible

Magic 3 in 1, Easy to Replacement

- double end or single end in one tube
- Plug and Play, No Rewiring
- Universal lamps work with existing ballast
- Tubes are rated at 50,000hours life
- For commercial and industrial use
- Environmentally friendly without mercury

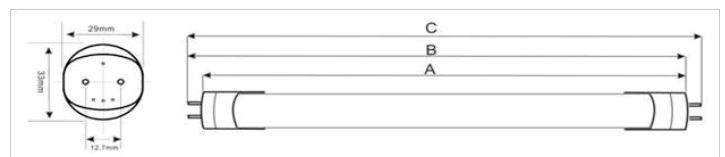


### Specification

Input Voltage	AC100-277V
LED Chip	SMD2835 Pass LM-80
PF	0.9
CRI	>80
CCT	4000K-6500K
Base Type	G13
Viewing Angle	180°
THD	< 20%
Dimmable	No
Material	Aluminum+PC
Operation Temperature	-68 - 122 °F
Environment	Dry, Damp
Rated Lifetime	50,000 hours

### Dimension

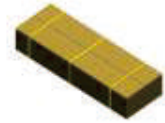
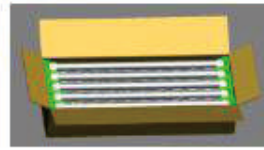
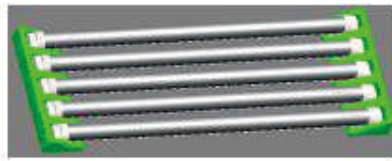
LED TUBE T8	2FT G13 (Bi-Pin)	3FT G13 (Bi-Pin)	4FT G13 (Bi-Pin)
Length Top to Top	23.74 inch	35.87inch	47.72inch
Diameter	1.19 inch	1.19 inch	1.19inch



### Product Details

Item No.	Length	Watt	Lumen	Base	ETL
ZS-T8-9P2FT-AB-X(XXXXK)	2FT	9W	130lm/w	G13	Yes
ZS-T8-15P3FT-AB-X(XXXXK)	3FT	15W	130lm/w	G13	Yes
ZS-T8-12P4FT-AB-X(XXXXK)	4FT	12W	130lm/w	G13	Yes
ZS-T8-15P4FT-AB-X(XXXXK)	4FT	15W	130lm/w	G13	Yes
ZS-T8-18P4FT-AB-X(XXXXK)	4FT	18W	130lm/w	G13	Yes
ZS-T8-20P4FT-AB-X(XXXXK)	4FT	20W	130lm/w	G13	Yes

## Packing



Dimension	PCS/CTN	Carton Dimension	Net Weight	Gross Weight
2FT	25	24.61x7.48x7.48 inch	6.17lbs	8.59lbs
3FT	25	36.41x7.48x7.48inch	8.81lbs	11.02lbs
4FT	25	48.60x7.28x7.28inch	11.02lbs	13.55lbs

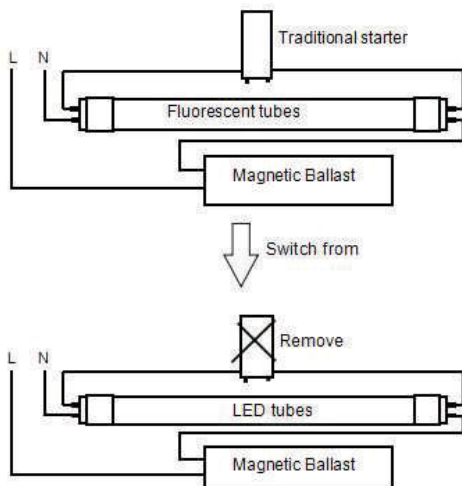
## Installation Guide

### Type A -- Replacement for magnetic ballast & electronic ballast fluorescent lamps

#### Magnetic ballast

professional installation is required

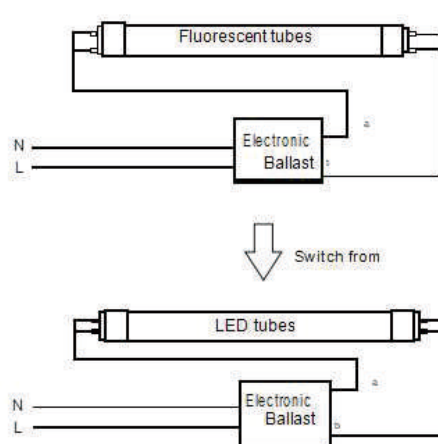
- 1: Turn off power before installation
- 2: Remove the traditional starter
- 3: Replace traditional fluorescent tube with LED tube
- 4: Switch on electricity and check for lamp starting



#### Electronic ballast

professional installation is required

- 1: Turn off power before installation
- 2: Replace traditional fluorescent tube with LED tube
- 3: Switch on electricity and check for lamp starting



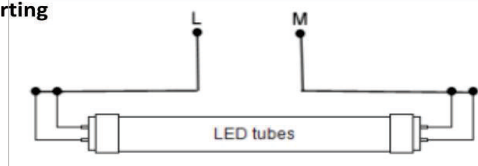
### Type B -- Replacement for bypass ballast fluorescent lamps

#### Installation Steps

- 1: Turn off power before installation
- 2: Cut the wire and bypass ballast
- 3: Hookup line wires to Tombstone wires as a direct power
- 4: Stick the warning label
- 5: Switch on electricity and check for lamp starting



or



Warning: All fixture have to change with new tombstone when apply for plug and play tube.

## Ballast Compatibility

BALLAST BRAND	PART NO.	BALLAST BRAND	PART NO.
OSRAM	QTP 3*32T8/UNV ISN-SC		
OSRAM	QTP 3*32T8/UNV ISN-SC	GE	GE432MV-N-42T
OSRAM	QTP 4*32T8/UNV ISN-SC	PHILIPS	IOP-1PSP32-SC
PHILIPS ADVANCE	ICN-1P32-N	PHILIPS	IOP-2PSP32-SC
PHILIPS ADVANCE	ICN-2P32-N	PHILIPS	IOP-3PSP32-SC
PHILIPS ADVANCE	ICN-3P32-N	PHILIPS	IOP-4PSP32-SC
PHILIPS ADVANCE	ICN-4P32-N	PHILIPS	IOP-4P32-LW-N
PHILIPS ADVANCE	IOPA-1P32-N	PHILIPS	REB-1P32-SC
PHILIPS ADVANCE	IOPA-2P32-N	PHILIPS	REB-2P32-SC
PHILIPS ADVANCE	IOPA-3P32-N	PHILIPS	REB-3P32-SC
PHILIPS ADVANCE	IOPA-4P32-N	PHILIPS	REB-4P32-SC
GE	GE-132-MV-N	UNIVERSAL	B132IUNVHP-A(TRIAD)
GE	GE-232-MV-N	UNIVERSAL	B232IUNVHP-A(TRIAD)
GE	GE-332-MV-N	UNIVERSAL	B332IUNVHP-A(TRIAD)
GE	GE-432-MV-N	UNIVERSAL	B432IUNVHP-A(TRIAD)
GE	GE132MAX-G-N	UNIVERSAL	B132IUNVHP-A(ULTIM)
GE	GE232MAX-G-N	UNIVERSAL	B232IUNVHP-A(ULTIM)
GE	GE332-120RESDIYB	UNIVERSAL	B332IUNVHP-A(ULTIM)
GE	GE432-120RES-DIY	UNIVERSAL	B432IUNVHP-A(ULTIM)
GE	GE132MAXP-H/ULTRA	PHILIPS ADVANCE	IOP-1PSP32-LW-SC
GE	GE132MAX-L/ULTRA	PHILIPS ADVANCE	IOP-2PSP32-LW-SC
GE	GE232MAX-L/ULTRA	PHILIPS ADVANCE	IOP-3PSP32-LW-SC
GE	GE332MAX-L/ULTRA	PHILIPS ADVANCE	IOP-4PSP32-LW-SC
GE	GE432MAX-L/ULTRA	KEystone	KTEB-232RIS-1-TP-SL