

# Magic Led T8 Tube

UL type A+B

## Brief Description

The Magic T8 LED tube achieving UL which can work with specific T8 electronic start ballast. This T8 tube also can work without ballast but wire directly to AC100-277V input.

# MagicTube



## Advantage

This tube can work both with ballast or without ballast. So it is fantastic direct replacement tube as well as retrofit kit.

Compatible with most than 90 percent electronic ballast in North American market.

The wattages and Lumens for the tube itself work with ballast and without ballast are same so it is good for big project which has different type of ballast. Input voltage can be AC100-277V/AC347V with ballast and AC100-277V/AC100-347V without ballast.

Reduces energy consumption up to 40%.

No UV emission.

Suitable for dry and damp environments.

T8 housing available.

Type A dimmable, depends on ballasts, Type B is phase cut dimming.

## Common Technical Data

Color Temperature	2700K to 5000K	Input Voltage with ballast	100-277V/347AC
Beam Angle	120 degree	Input Voltage without ballast	100-277V/100-347VAC
Color Consistency	4 steps	Frequency	50-60Hz
CRI	More than 80	Power Factor	More than 0.99
Operation Temperature	-30-40C	Rated Life	50000 hours
Efficiency with ballast	More than 130 LPW	Led Type	SMT 2835
Efficiency without ballast	More than 135 LPW	Housing	Type A: Aluminum+PC Type B: Nano Plastic

## Ordering Guide

ZY	/	T8	/	20W/18W/15W/12W/10W	/	1200/600/900/600U/600UN	/	B	/	IXX/IXX-1	/
		Housing Type	Wattage			Length	2835 Led				

## Warranty

This product has a warranty of period of 5 years from the date of purchase. The warranty is invalid in the case of improper use installation, tampering, and removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the National Electric Code. Should this product fail during the warranty period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Venas does not accept responsibility for any installation costs associated with the replacement of this product. This warranty is in addition to the statutory rights in your country of purchase. Venas reserves the right to alter specifications without prior notice.



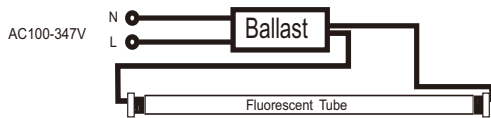
# Product Specification

Product Number	Length (Inch)	Color	Average System Watts (W)			Average System Initial Lumens			Package (mm)	Weigh	
			Bare Lamp (Watt)	Low Ballast Factor (0.78)	Norm Ballast Factor (0.88)	High Ballast Factor (1.10)	Low Ballast Factor (0.78)	Norm Ballast Factor (0.88)			High Ballast Factor (1.10)
ZY-T8-10W1200 BIXX	48	3000K-5000K	10	10.5	13.5	14.5	1350	1650	1780	1260X230X240 30pcs/Carton	10.20kg/Carton
ZY-T8P-10W1200 BIXX	48	3000K-5000K	10	10.5	13.5	14.5	1350	1650	1780	1260X230X240 30pcs/Carton	10.20kg/Carton
ZY-T8-12W1200 BIXX	48	3000K-5000K	12	12.5	15.5	16.5	1650	1750	1850	1260X230X240 30pcs/Carton	10.20kg/Carton
ZY-T8P-12W1200 BIXX	48	3000K-5000K	12	12.5	15.5	16.5	1650	1750	1850	1260X230X240 30pcs/Carton	10.20kg/Carton
ZY-T8-15W1200 BIXX	48	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	1260X230X240 30pcs/Carton	10.30kg/Carton
ZY-T8P-15W1200 BIXX	48	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	1260X230X240 30pcs/Carton	10.30kg/Carton
ZY-T8-18W1200 BIXX	48	3000K-5000K	18	16.8	20.7	23.5	2016	2484	2820	1260X230X240 30pcs/Carton	10.50kg/Carton
ZY-T8-18W1200 BIXX-1	48	3000K-5000K	18	16.8	20.7	23.5	2016	2484	2820	1260X230X240 30pcs/Carton	10.50kg/Carton
ZY-T8P-18W1200 BIXX	48	3000K-5000K	18	16.8	20.7	23.5	2016	2484	2820	1260X230X240 30pcs/Carton	10.50kg/Carton
ZY-T8-20W1200 BIXX	48	3000K-5000K	20	18.2	23.5	25.6	2184	2820	3070	660X230X240 30pcs/Carton	10.55kg/Carton
ZY-T8P-20W1200 BIXX	48	3000K-5000K	20	18.2	23.5	25.6	2184	2820	3070	660X230X240 30pcs/Carton	10.55kg/Carton
ZY-T8-10W600 BIXX	24	3000K-5000K	10	10.5	13.5	14.5	1350	1650	1780	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8P-10W600 BIXX	24	3000K-5000K	10	10.5	13.5	14.5	1350	1650	1780	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8-13W600 BIXX	24	3000K-5000K	13	12.5	15.5	16.5	1500	1860	1980	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8P-13W600 BIXX	24	3000K-5000K	13	12.5	15.5	16.5	1500	1860	1980	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8-15W600 BIXX	24	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8P-15W600 BIXX	24	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8-15W900 BIXX	36	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8P-15W900 BIXX	36	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8-13W600U BIXX	24	3000K-5000K	13	12.5	15.5	16.5	1500	1860	1980	610X400X250 10pcs/Carton	5.30kg/Carton
ZY-T8P-13W600U BIXX	24	3000K-5000K	13	12.5	15.5	16.5	1500	1860	1980	610X400X250 10pcs/Carton	5.30kg/Carton
ZY-T8-15W600UN BIXX	24	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	610X400X250 10pcs/Carton	5.30kg/Carton
ZY-T8P-15W600UN BIXX	24	3000K-5000K	15	14.2	16.5	17.8	1704	1980	2136	610X400X250 10pcs/Carton	5.30kg/Carton

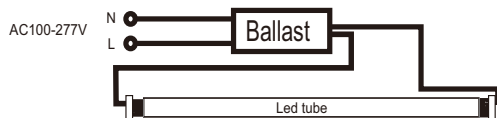
## Installation Procedure

### “Plug” and “Play” procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.



4. Put led tube into the lighting fixture.

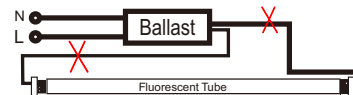


5. Install the LED tubes, close the diffuser.
6. Turn on the Power.

\* For one ballast by three fluorescent tubes fixture, at least need to put two pieces of ballast compatible tube.  
 For one ballast by four fluorescent tubes fixture, at least need to put three pieces of ballast compatible tube.

### Retrofit procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Cut the wires shown as the diagram below.



5. Make the new wire connect to branch circuit shown as the diagram below.
6. Replace the cover over the wiring channel..
7. Install the LED tubes, close the diffuser.



8. Turn on the Power.