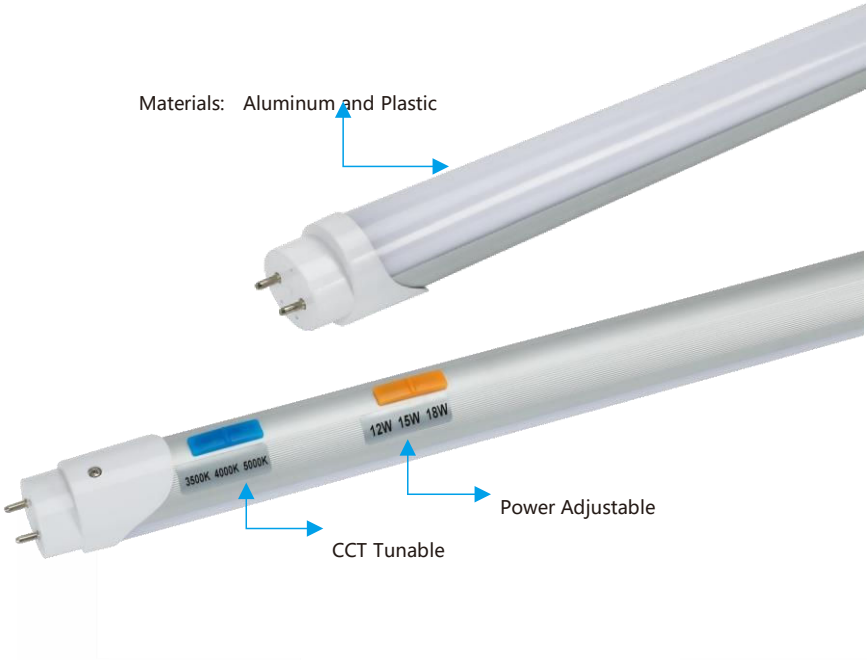
VENAS

VENAS CO. , LTD



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Dual Model

T8 LED Tube UL Type A+B

- CCT Tunable
- Power Adjustable

Brief Description

Venas Dual Model T8 LED Tube, credited with brilliant performance, is UL certified.

It can either work with specific T8 electronic ballast or work without ballast while wired directly to AC100-277V input. Double end input only

Features

- The dual model T8 LED tube can work either with ballast or without ballast, so it is wiring and retrofit kit as well. ● Compatible with more than 90% of electronic ballasts in North American market.
- With or without ballast, the wattage and lumens of this product stay the same. So it is an ideal choice for big projects, in which different types of ballasts are used.
- Input voltage can be AC 100-277V/347V with ballast and AC100-277V without ballast.
- AC Switch Continuous Dimming.
- Saving up to 40% of energy.
- No UV emission.
- Suitable for damp locations.
- UL certified and DLC 5.1 listing.
- Double end input only With dimming and without dimming

Ordering Guide

ZY / T8 / 20W/18W/15W/12W/10W / 600/1200 / B / I / XX /

Company Code

Tube Type

Technical Data

Color Temperature	3500K/4000K/5000K	**Input Voltage with Ballast**	AC100-277V/347V
Beam Angle	140 degree	**Input Voltage without Ballast**	AC100-277V
Color Consistency	4 steps	**Frequency**	50-60Hz
CRI	More than 80	**Power Factor**	More than 0.95
Working Temperature	-30℃(-22℉)to +40℃(104℉)	**Lifespan**	>50,000 hours
Efficiency with Ballast	130lm/W±5%	**LED Chip**	SMT 2835
Efficiency without Ballast	135lm/W±5%	**Housing**	Aluminum

Specification

Types	Model NO.	Length (inch)	Color Temperature	Voltage	Efficiency	Beam Angle	CRI	Package(mm)	Weight
Single Wattage &Single Color Type **(in stock)**	ZY-T8-15W1200 BIXX ZY-T8-18W1200 BIXX	48	5000K	AC100-277V	130lm/W±5% 135lm/W±5%	≥140°	> 80	1250x220x250 30pcs/Carton	10.2kg/Carton
Single Wattage &CCT Type	ZY-T8-18W1200 BIXX	24	3000K-5000K	AC100-277V AC100-347V	130lm/W±5% 135lm/W±5%	≥140°	> 80	650x220x250 30pcs/Carton	5.2kg/Carton
	ZY-T8-15W600 BIXX							650x220x250 30pcs/Carton	
	ZY-T8-10W900 BIXX	36	3000K-5000K	AC100-277V AC100-347V	130lm/W±5% 135lm/W±5%	≥140°	> 80	950x220x250 30pcs/Carton	7.9kg/Carton
	ZY-T8-15W900 BIXX							950x220x250 30pcs/Carton	
	ZY-T8-12W1200 BIXX	48	3000K-5000K	AC100-277V AC100-347V	130lm/W±5% 135lm/W±5%	≥140°	> 80	1250x220x250 30pcs/Carton	10.2kg/Carton
	ZY-T8-15W1200 BIXX							1250x220x250 30pcs/Carton	
	ZY-T8-18W1200 BIXX							1250x220x250 30pcs/Carton	
	ZY-T8-20W1200 BIXX							1250x220x250 30pcs/Carton	
Power Adjustable & CCT Tunable Type	ZY-T8-15W/12W/10W1200 BIXX	48	3500K/4000k/5000K	AC100-277V AC100-347V	130lm/W±5% 135lm/W±5%	≥140°	> 80	1250x220x250 30pcs/Carton	10.2kg/Carton
	ZY-T8-20W/18W/15W1200 BIXX							1250x220x250 30pcs/Carton	

Warranty

This product has a 5-year warranty from the date of purchase. The warranty is invalid in the case of improper installation, tampering, 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. If 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.

Dimming Operation Process:

1. Dimming Operation Process without ballast.

Step①: Turn on the on/off switch, if the user wants to use the maximum brightness, no more operation is needed.

Step②: If the user wants a certain brightness, the user needs to turn on the on/off switch again and the maximum brightness of 100% of the tube will be reached at the beginning of this time, then the brightness will go down to 10% of the maximum brightness within 10 seconds, it will reach a certain lumen as user' s demand in the 10 seconds by pushing the on/off switch again, if not pushing the on/offswitch in 10 seconds, the brightness of the tube will go from 10% to 100%, the user also can make the decision of the brightness within this 10 seconds.

Step③: If the user makes the decision by pushing the on/off witch to off in the 10 seconds as above and turns on the on/off switch in next 20 seconds, the demand brightness will be applied from that time.

Step④: If the user didn' t follow step 3 pushing the on/off switch, the 100% of brightness will be applied, if the user wants to make demand brightness again, the new operation circle needs to be conducted.

2. Dimming Operation Process with ballast

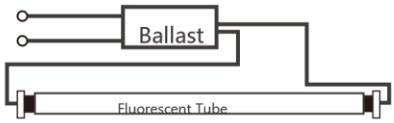
A: If a dimmable ballast be used, the dimming performance will depend on the ballast. **B:** If a non-dimmable ballast be used, the lamp will be at 100% brightness.

Installation

'' Plug '' and '' Play '' procedure

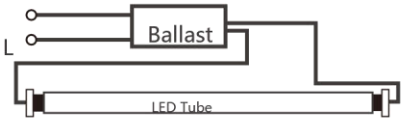
1.Turn off the power to the light fixture at the breaker panel before installation.
2.Open the diffuser from the light fixture.
3.Remove the fluorescent tube. Please dispose of these items properly as they contain mercury.

AC100-347V



4.Put LED tube into the lighting fixture.

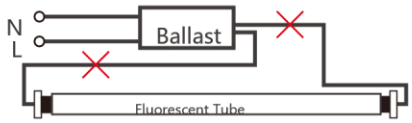
AC100-277V



5.Install the LED tube, close the diffuser.
6.Turn on the power.

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 tube. Please dispose of these items properly as they contain mercury.
4.Cut the wires shown as the diagram below.



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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 tube, close the diffuser.

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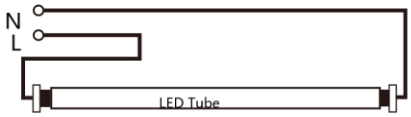
AC100-277V



AC100-277V

8. Turn on the power.

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