

### Brief Description

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



### 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 with ballast and AC100-277 without ballast.
- Reduces energy consumption up to 40%.
- No UV emission.
- Suitable for dry and damp environments.
- T8 housing available.
- UL and ETL Qualified.

### Common Technical Data

Color Temperature	2700K to 5000K	Input Voltage with ballast	100-277VAC
Beam Angle	120 degree	Input Voltage without ballast	100-277VAC
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 110 LPW	Led Type	SMT 2835
Efficiency without ballast	More than 125 LPW	Housing	Aluminum

# Product Specification

Product Number	Length (Inch)	Color	Bare Lamp (Watt)	Average System Watts (W)			Average System Initial Lumens			Package (mm)	Weight
				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-T8-13W1200 BIXX	48	3500K	13	12.5	15.5	16.5	1350	1700	1850	1260X230X240 30pcs/Carton	10.20kg/Carton
ZY-T8-13W1200 BIXX	48	4000K	13	12.5	15.5	16.5	1350	1700	1850	1260X230X240 30pcs/Carton	10.20kg/Carton
ZY-T8-13W1200 BIXX	48	5000K	13	12.5	15.5	16.5	1350	1700	1850	1260X230X240 30pcs/Carton	10.20kg/Carton
ZY-T8-15W1200 BIXX	48	3500K	15	14.2	16.5	17.8	1650	1860	1950	1260X230X240 30pcs/Carton	10.30kg/Carton
ZY-T8-15W1200 BIXX	48	4000K	15	14.2	16.5	17.8	1650	1860	1950	1260X230X240 30pcs/Carton	10.30kg/Carton
ZY-T8-15W1200 BIXX	48	5000K	15	14.2	16.5	17.8	1650	1860	1950	1260X230X240 30pcs/Carton	10.30kg/Carton
ZY-T8-18W1200 BIXX	48	3500K	18	16.8	20.7	23.5	1700	2200	2450	1260X230X240 30pcs/Carton	10.50kg/Carton
ZY-T8-18W1200 BIXX	48	4000K	18	16.8	20.7	23.5	1700	2200	2450	1260X230X240 30pcs/Carton	10.50kg/Carton
ZY-T8-18W1200 BIXX	48	5000K	18	16.8	20.7	23.5	1700	2200	2450	1260X230X240 30pcs/Carton	10.50kg/Carton
ZY-T8-20W1200 BIXX	48	3500K	20	18.2	23.5	25.6	1850	2450	2550	660X230X240 30pcs/Carton	10.55kg/Carton
ZY-T8-20W1200 BIXX	48	4000K	20	18.2	23.5	25.6	1850	2450	2550	660X230X240 30pcs/Carton	10.55kg/Carton
ZY-T8-20W1200 BIXX	48	5000K	20	18.2	23.5	25.6	1850	2450	2550	660X230X240 30pcs/Carton	10.55kg/Carton
ZY-T8-13W600 BIXX	24	3500K	13	12.5	15.5	16.5	1350	1700	1850	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8-13W600 BIXX	24	4000K	13	12.5	15.5	16.5	1350	1700	1850	960X230X240 30pcs/Carton	7.00kg/Carton
ZY-T8-13W600 BIXX	24	5000K	13	12.5	15.5	16.5	1350	1700	1850	960X230X240 30pcs/Carton	7.00kg/Carton

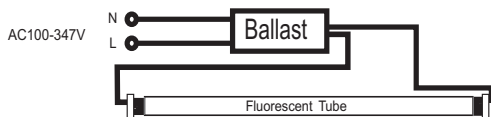
## Ordering Guide

ZY	T8	20W/18W/15W/13W	600/1200	B	I	XX
Company Code	Housing Type	Wattage	Length	2835 Led	Internal Driver	Input Type

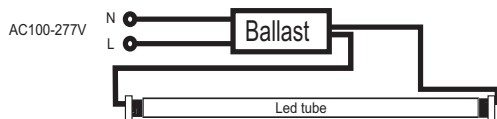
## Installation Procedure

### “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.

## 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. James 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. James reserves the right to alter specifications without prior notice.



All rights reserved.  
James May change this specification with notice.

# Magic Led Tube

JaMES

Ballast Compatible Led Tube

*Magic*Tube

## Brief Description

- Can work with specific instant-start, rapid-start, programmed-start and existing emergency equipment.
- Can work without any ballast.
- More than 140 lumens per watt.



# MagicFit Led T8 Tube

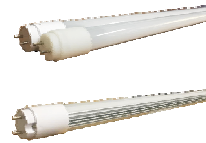
JaMES

Plug and Play Led Tube

*Magic*Fit

## Brief Description

- The T8 LED tube achieving UL which can work with specific instant-start, rapid-start, programmed-start, dimming-start ballast and existing emergency equipment.
- More than 140 lumens per watt.



# DLC 3.0 Led Panel

JaMES

Magicroffer

*Magic*TROFFER

## Brief Description

- More than 110 lumens per watt.
- Warranty period can reach to 10 years.
- Easy installation, attractive lighting distribution
- Use Polaroid dragon material for package.



# Led Refrigerator Light

JaMES

Magicooler

*Magic*COOLER

## Brief Description

- More than 100 lumens per watt.
- Warranty period can reach to 10 years.
- Easy installation, attractive lighting distribution
- Vertical and Horizontal light available.

