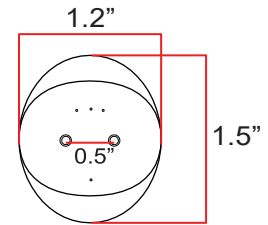
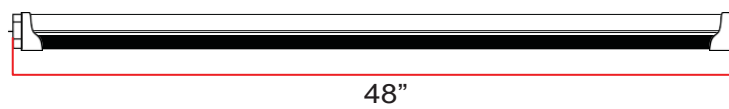


## "Magic" T8 LED tube

T8 LED tube - retrofit with or without ballast

CSA, cUL, cETL, or equal

Project Reference: \_\_\_\_\_ Fixture Type: \_\_\_\_\_ Cat. No.: \_\_\_\_\_ Voltage: \_\_\_\_\_ Options: \_\_\_\_\_



- Works both with or without a ballast (hybrid UL type A and B)
- Works both with shunted or non-shunted sockets
- Frosted lens, DLC listed

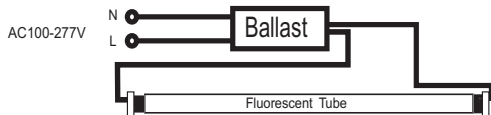
Cat.no: ZY-T8-18W1200 BIXX-50K (or -40K)

Color Temperature	4000K or 5000K
Beam Angle	120 Degrees
Color Consistency	4 Steps
CRI	> 80
Operation Temperature	-30°C to 40°C
Efficiency with ballast	More than 110 LPW
Efficiency without ballast	More than 125 LPW
Input Voltage with ballast	100-277VAC, 347 V
Input Voltage without ballast	100-277VAC
Frequency	50-60Hz
Power Factor	More than 0.99
Rated Life	50,000 hours
LED Type	SMT2835
Housing	Aluminum/PC

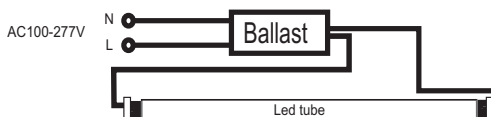
Bare Lamp (Watt)	Average System Watts (W)		
	Low Ballast Factor (0.78)	Norm Ballast Factor	High Ballast Factor (1.10)
18W	19.5	21.5	22.5

### "Plug and Play" installation procedure

1. Turn off power to the light fixture at the breaker panel before installation.
2. Open the light fixture diffuser and remove the fluorescent tubes.



3. Install the LED tubes into the light fixture and close the diffuser.

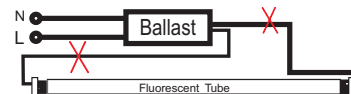


4. Turn the power back on.

- \* For one ballast and three fluorescent tube fixtures, at least two ballast compatible LED tubes must be installed.
- \* For one ballast and four fluorescent tube fixtures, at least three ballast compatible LED tubes must be installed.
- \* Prior to mass installation, perform test installation and check ballast compatibility list, not compatible with magnetic ballasts.

### Retrofit installation procedure

1. Turn off power to the light fixture at the breaker panel before installation.
2. Open the light fixture diffuser and remove the fluorescent tubes.
3. Cut the wires as shown in the diagram below.



4. Make new wire connection as shown in applicable diagram below.



5. Replace the cover for the wiring channel.
6. Install the new LED tubes and close the diffuser.
7. Turn the power back on.