



TECHNICAL DATA SHEET

Project Name Catalog #
Comments Date

4ft LED Tube | Direct Wire | Ballast Bypass

Features

- Up to 40% More Efficient than Fluorescent Equivalent
- 50,000+ Hours Average Rated Life
- Suitable for indoor/damp locations and sheltered outdoor use
- Simple Ballast Bypass
- Instant Start To Full Brightness
- Universal Voltage: 100-277VAC
- Non-Dimmable
- 3 Year Warranty
- Available in:
 - 3000K (Warm White),
 - 4100K (Natural White),
 - 6000K (Daylight White)



Applications



- ✓ Offices
- ✓ Retail Stores
- ✓ Grocery Stores
- ✓ Parking Garages
- ✓ Meeting Rooms
- ✓ Schools
- ✓ Malls
- ✓ Universities
- ✓ Residentials
- ✓ Hotels
- ✓ Hospitals
- ✓ Libraries
- ✓ Warehouses
- ✓ Shopping Centers
- ✓ Many More



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Specifications

GENERAL PERFORMANCES Sku # LEDT8-20W-SMD-(Color Temperature)				
Color Temperature	3000K	4100K	5000K	6000K
CRI	>70	>70	>70	>70
Lumen (Frosted)	1700lm	1760lm	1840lm	1900lm
Lumen (Clear)	1900lm	1960lm	2040lm	2100lm
Efficacy (Frosted)	85lm/w	88lm/w	92lm/w	95lm/w
Efficacy (Clear)	95lm/w	98lm/w	102lm/w	105lm/w
Power Consumption	20W			
Tube Length	4ft			
Viewing Angle	120°			
Lumen Maintenance (L70)	50,000+ Life Hours Rated			
Base Type	G13 - Medium Base Bi-Pin			

ELECTRICAL	
Input Voltage	100-277VAC
Power Factor	Over 90%
Ballast Bypass	Yes Double Ended Connection

PHYSICAL	
Operating Temperature	-4°F to 122°F
Operating Humidity	20%-70% RH
Storage Temperature	-22°F to 176°F
Storage Humidity	10%-75% RH

CERTIFICATION	
Environment	Dry & Damp
Material Usage	RoHS Compliant; No Mercury/UV/IR/Lead
Warranty	3 Years

OTHERS	
LED Brand	Epistar
LED Type	SMD2835
LED Qty	120 Pcs
Housing	Half Aluminum / Half Plastic Construction

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Bypassing Ballast | Direct Wire

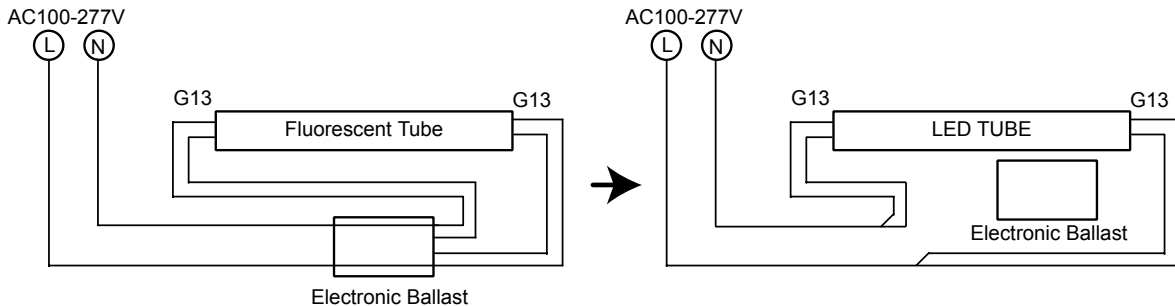


DANGER - RISK OF SHOCK: Disconnect Power Before Installation



Steps To Remove / Bypass The Ballast

- 1) Make certain that the fixture's line voltage is compatible with the LED Tube Light.
- 2) Remove the old fluorescent tube from the fixture.
- 3) Remove or bypass ballast by following diagram below* (And starter if present)
- 4) Remove protective pin guard from the LED Tube
- 5) Install LED Tubes with LED's directed to beam their light out of the fixture.



***WIRING EXCEPTION - when bypassing a fluorescent instant-on-ballast:**
 If the fixture's **bipin sockets are shunted****, then connect a wire at each end.
 (Connect hot wire to a pin of the socket at ONE END, and connect cold wire to a pin of the socket at the OTHER END.)
Do not connect both power wires at the same shunted bipin socket end.

****Shunted sockets have a jumper wire connecting the bipins within the socket, and are used in "instant-on" fluorescent fixtures. This wiring exception pertains to converting instant-on ballasted fluorescent fixtures to LED ballast-free fixtures**

Wiring For Fixtures With MULTIPLE TUBES (2, 3, 4-tube fixtures)

