



TECHNICAL DATA SHEET

Project Name Catalog #
 Comments Date

8ft LED Tube W/ FA8/R17D Pin | Direct Wire | Ballast Bypass

Features HTM-T824M-XR

- Up to 60% More Efficient than Fluorescent Equivalent
- 50,000+ Hours Average Rated Life
- Suitable for indoor/dry locations and sheltered outdoor use
- Simple Ballast Bypass
- FA8 Single Pin -or- 90° Rotating Pin R17D
- Instant Start To Full Brightness
- Universal Voltage: 100-277VAC
- Non-Dimmable
- 5 Year Warranty
- Available in:
 - 3000K (Warm White | Special Order)
 - 4100K (Natural White),
 - 5000K (Cool White)



Applications



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



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Specifications HTM-T824M-XR

GENERAL PERFORMANCES Sku # HTM-T824M-XR			
Color Temperature	3000K	4100K	5000K
CRI	>80	>80	>80
Lumen (Frosted)	3400lm	3520lm	3680lm
Lumen (Clear)	3800lm	3920lm	4080lm
Efficacy (Frosted)	85lm/w	88lm/w	92m/w
Efficacy (Clear)	95lm/w	98lm/w	102lm/w
Power Consumption	36W		
Tube Length	8ft		
Viewing Angle	120°		
Lumen Maintenance (L70)	50,000+ Life Hours Rated		
Base Type	FA8 Single Pin -or- R17D Recessed Double Pin		
Input Voltage	100-277VAC		
Power Factor	Over 90%		
Ballast Bypass	Yes Double Ended Connection		

FEATURES	
Operating Temperature	-4°F to 122°F
Operating Humidity	20%-70% RH
Storage Temperature	-22°F to 176°F
Storage Humidity	10%-75% RH
Environment	Dry & Damp
Material Usage	RoHS Compliant; No Mercury/UV/IR/Lead
Warranty	5 Years
LED Brand	Epistar
LED Type	SMD2835
LED Qty	220 Pcs
Housing	Half Aluminum / Half Plastic Construction

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Bypassing Ballast | Direct Wire

DANGER - RISK OF SHOCK,
 Disconnect Power Before Installation



G13



DLC



Fa8



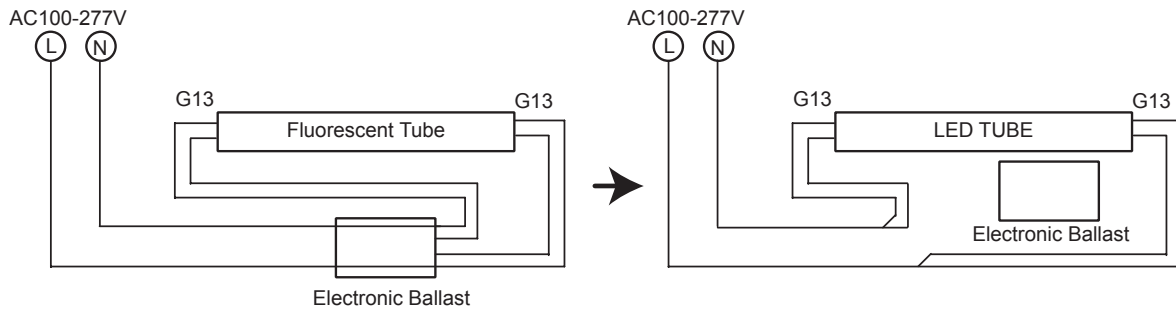
UL



R17D

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) - Do Not Use With Dimmer - Suitable For Dry or Damp Locations

