TECHNICAL DATA SHEET

Project Name		Catalog #	
Comments		Date	

4ft UL/DLC LED Tube | Direct Wire | Ballast Bypass

Features

HTM-T812-LED-18WF02 (Frosted) HTM-T812-LED-18WC02 (Clear)

- 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
- G13 Medium Bi-Pin Base
- Instant Start To Full Brightness
- Universal Voltage: 100-277VAC
- Non-Dimmable
- 5 Year Warranty
- Available in:
  - 3000K (Warm White)
  - 4000K (Natural White)
  - 5000K (Cool White)

E480548

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

	HTM-T812-LED-18WF02 (Frosted)	HTM-T812-LED-18WC02 (Clear)
GENERAL PERFORMANCES		
Dimensions	47.80” x 1.02” x 1.18” | 1214 x 26 x 30 mm	
Cover	Frosted	Clear
Part No	HTM-T812-LED-18WF02	HTM-T812-LED-18WC02
Color Temperature	3000K - 4000K - 4500K - 5000K	
CRI	>83.3	
Lumen	1800-1900 LM	2050-2250 LM
Efficacy (Clear)	100-105 LM/W	115-125 LM/W
Power Consumption	18W	
Viewing Angle	120°	
Lumen Maintenance (L70)	50,000+ Life Hours Rated	
Base Type	G13 Medium Bi-Pin	
ELECTRICAL		
Input Voltage	100-277VAC 50/60Hz	
Power Factor	> 90%	
Ballast Bypass	Yes | Double Ended Connection	
CERTIFICATION | UL #E480548		
Safety Certification	UL #E480548	
Environment	Indoor | IP41	
Material Usage	RoHS Compliant; No Mercury/UV/IR/Lead	
Warranty	5 Years	
PHYSICAL		
Operating Temperature	-4°F to 122°F | -20°C to 50°C	
Operating Humidity	20%-70% RH	
Storage Temperature	-22°F to 176°F | -30°C - 80°C	
Storage Humidity	10%-75% RH	
MATERIALS		
LED Brand	Epistar	
LED Type	SMD2835	
LED Qty	120 Pcs	
Housing	Half Aluminum / Half Plastic Construction	

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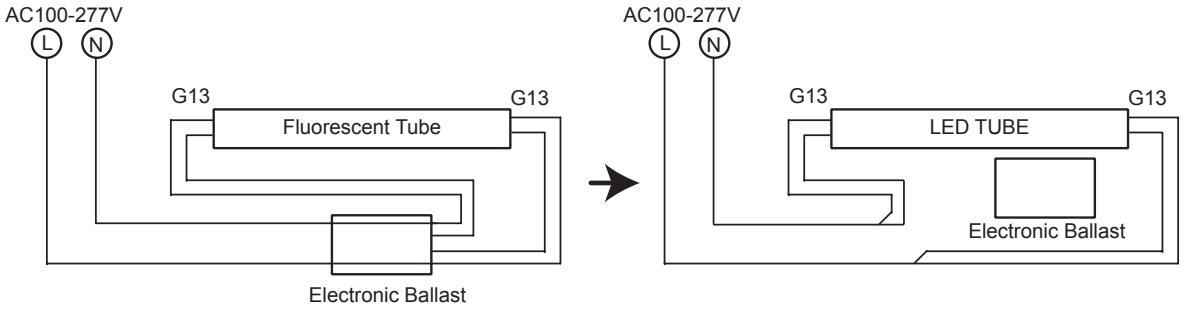
Bypassing Ballast | Direct Wire

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 sarter 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 conerting instant-on ballasted fluorescent fixtures to LED ballast-free fixtures**

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

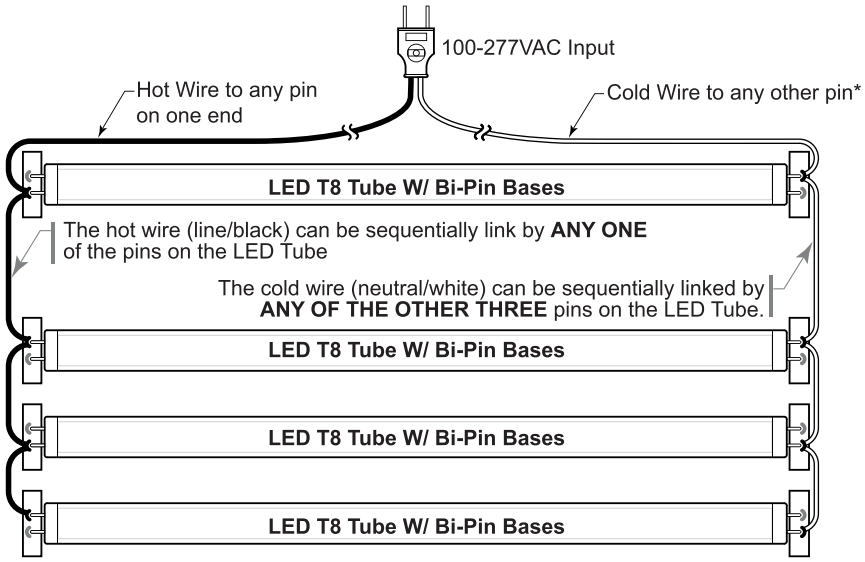
- Do Not Use With Dimmer
- Suitable For Dry or Damp Locations

~~BALLAST~~

Wiring will bypass ballast (if present in fixture)

~~STARTER~~

Wiring will bypass starter (if present in fixture)



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