



# TECHNICAL DATA SHEET

Project Name  Catalog #   
 Comments  Date

## 4ft Hybrid LED Tubes - Plug & Play / Single Ended Direct Wire

### Features HTM-GLT8AB-18W (Frosted)

- Up to 70% More Efficient than Fluorescent Equivalent
- 50,000+ Hours Average Rated Life
- Suitable for indoor/dry locations and sheltered outdoor use
- Hybrid Electronic Ballast or Single Ended Direct Wire
- G13 Medium Bi-Pin Base
- Instant Start To Full Brightness
- Universal Voltage: AC120-277VAC
- Non-Dimmable
- 5 Year Warranty
- Available in:
  - 3000K (Warm White)
  - 4000K (Natural White)
  - 5000K (Cool 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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## 4ft Hybrid LED Tubes - Plug & Play / Single Ended Direct Wire

### Specifications HTM-GLT8AB-18W (Frosted)

GENERAL PERFORMANCES	
Dimensions	47.80" x 1.02" x 1.18"   1214 x 26 x 30 mm
Cover	Frosted
Part No	HTM-GLT8AB-18W
Color Temperature	3000K - 3500K - 4000K - 4500K - 5000K
CRI	>83
Lumen	2447-2551 LM
Efficacy (Clear)	110 - 130 LM/W
Power Consumption	18W
Viewing Angle	>220°
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	Hybrid Plug & Play -or- Single Ended Direct Wire

CERTIFICATION   UL #E480548	
Safety Certification	UL #E480549
Environment	Indoor   IP20
Material Usage	RoHS Compliant; No Mercury/UV/IR/Lead
Warranty	5 Years

PHYSICAL	
Operating Temperature	-4°F to 113°F   -20°C to 45°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	Glass

## Ballast Compatible Check / Ballast Bypass

**WARNING** - Risk fire / Electric Shock. Please disconnect power prior to installation. Hybrid LED Tube bypass ballast installation requires knowledge of luminaire electrical systems. (If you are not a qualified electrician, please do not attempt bypass ballast installation). Do not make or alter any holes in an enclosure of wiring or electrical components during installation. **CAUTION** - This Device is not intended for use with emergency exist or emergency lights.

### Solution A Direct Replacement Installation Guide

Do Not Use With Dimmer  
Suitable For Dry or Damp Locations



To Determine If Your Ballast Is Compatible With Your LED Tube, Please Visit:  
[www.htm-lighting.com/ballast-compatibility](http://www.htm-lighting.com/ballast-compatibility)  
If incompatible, please bypass the ballast (Solution B).

If your ballast is compatible, then simply follow the 3-Steps Below:

- 1) Turn-off power before installation
- 2) Replace traditional fluorescent tube with Hybrid LED Tube
- 3) Turn-on power and enjoy your new Hybrid LED Tube!



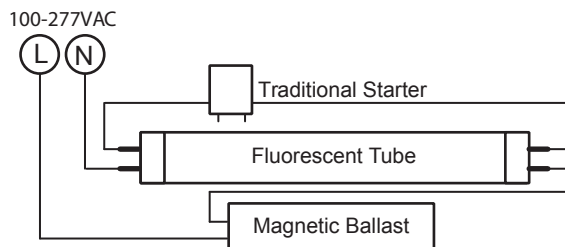
### Solution B Bypass Ballast Installation Guide (If Ballast Is Found To Be Incompatible)

Do Not Use With Dimmer  
Suitable For Dry or Damp Locations

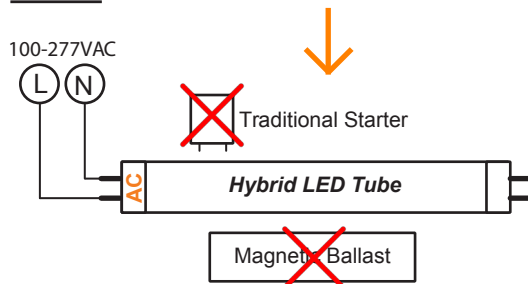
- 1) Turn-off power before installation
- 2) Remove the existing ballast and existing starter (if present)
- 3) See further steps below based on your ballast type

#### STEP 1

#### Magnetic Ballast

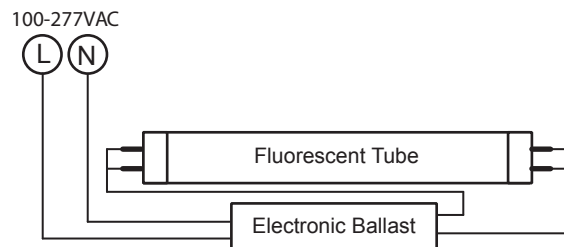


#### STEP 2

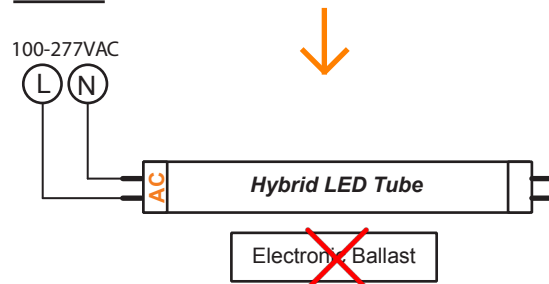


#### STEP 1

#### Electronic Ballast



#### STEP 2



After bypassing the ballast, please make sure to note on which side of the fixture your live end is, and match it to the "AC / 100-277VAC" which can be found on the cap of your new Hybrid LED Tube.

**Note: Do Not Re-Wire Your Fluorescent Fixture As A Dual Ended Connection, as this Hybrid LED Tube only works in Single Ended Connection.**

Need Help? Give us a call at +1 (813) 649-8899, and one of our trained lighting specialist will be more than happy to assist you through the process of the installation!