



MESLA
ENERGY

LED Hybrid Tubes



Product Description

Led Hybrid Tube can work with or without ballast, or work single side power, or dual end power, has half aluminum and half pc cover design, High luminous efficiency 120-130LM/W. robust components and strong. Convention installation for replacing traditional fluorescent tubes excellent LED driver and thermal management, High-performance illumination that lasts 100,000HRS. with typical energy savings of 80%.

Applications:

Indoor offices, Shopping mall, any other commercial areas



Electric Characteristic

Specification/Model	LS-SMDT8-16WABC	LS-SMDT8-20WABC	LS-SMDT8-16WABF	LS-SMDT8-20WABF
Beam Angle	120° (Aluminum+Plastic)			
LED power	16W	20W	16W	20W
Consuming power	18W	20W	18W	20W
Lumens output	2340LM	2600LM	2160LM	2600LM
Lumen efficiency	130LM/W	130LM/W	120LM/W	130LM/W
CRI	>80Ra			
Color Temperature	3000K/4000K/5000K			
Input voltage	100-277V			
Frequency	50-60HZ			
Operation Temperature	-20~+50℃			
Junction temperature	<75℃			
Power Supply Efficiency	90%			
Certificate	UL,cUL,DLC			
Equivalent	35-45W fluorescent	50W-60W fluorescent	70W-80W fluorescent	90W-100W fluorescent

DLC Ordering Model No Information

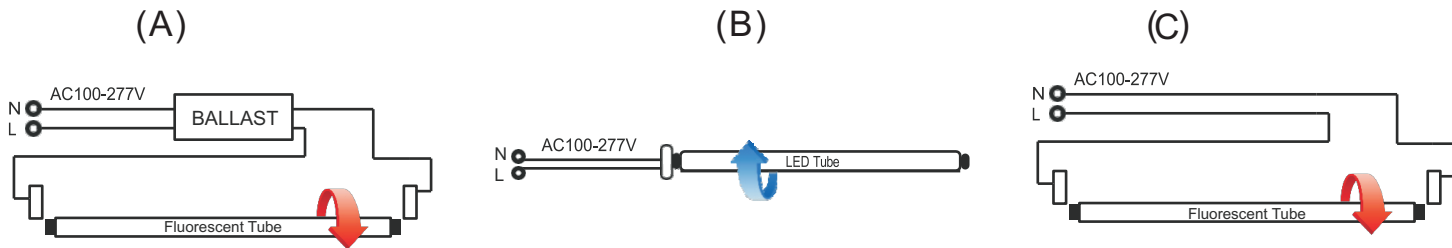
Example: LS-SMDT8-16WABCXXK

Product	Power	Replacement	Color Temperature	Options
LS-SMDT8-16WABCXXK	16W	35-45W fluorescent	XX=30K 3000K	AB=DLC Type A+B
LS-SMDT8-20WABCXXK	20W	50W-60W fluorescent	XX=40K 4000K	C=Clear Cover
LS-SMDT8-16WABFXXK	16W	70W-80W fluorescent	XX=50K 5000K	F=Frosted Cover
LS-SMDT8-20WABFXXK	20W	90W-100W fluorescent		

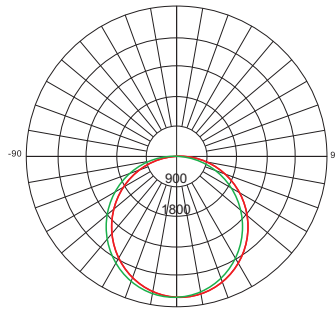
Connector options

Retrofit Procedure:

1. Turn OFF power to the fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes and dispose of these properly as they may contain mercury.
4. **Below A shows Hybrid Tube**, Which can directly work with ballast, no need remove ballast.
5. **Below B shows new project single side power**, simply wire them to AC direct line.
6. **Below C shows new project dual end power**, simply wire them to AC direct line.
7. Install the LED tubes and close the diffuser.
8. Switch ON power to the fixture at the breaker panel



Photometrics



Projected LED Lumen Maintenance

Operating hours	0	25000	50000
Lumen maintenance factor	1	0.91	0.8

Data references the extrapolated performance projections for the Tube LED Lights platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).