



T8 TYPE A+B GLASS TUBE

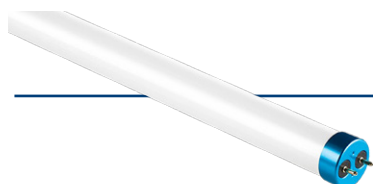
Shatter-proof Coating Optional

Aluminum Cap With Better Heat Diffusing



T8 LED Tube For Car Parks

LED Tube T8 High Output



Item Number	Wattage (W)	Length (ft)	CCT (Kelvin)	Luminous flux (lm)	CRI (Ra)	Beam Angle (Degree)	Pack Qty (Pcs)	Dimming
CLS-T8AB0610M-50K-B	10	2	4000/5000	1350	>80	> 220°	25	NO
CLS-T8AB1218M-50K-B	18	4	4000/5000	2200	>80	> 220°	25	NO

Item Number	Rate Wattage (W)	Ballast Factor (W) 0.78	Ballast Factor (W) 0.88	Ballast Factor (W) 1.1	Luminous (lm)
CLS-T8AB0610M-50K-B	10	10.6	12.31	14.2	1392
CLS-T8AB1218M-50K-B	18	18.9	21.28	22.1	2312

Model Instructions

C L S - T 8 A B 0 6 1 0 X - X X - Z

Brand Code	Category		DLC Type		Length	Wattage	Diffuser	CCT	Version
CLS	T8		AB		06/12	10/18	X	XX	Z
T8 =T8 Tube			AB= Type A+B		06=60cm=2ft 12=120cm=4ft	10=10W 18=18W	T =Transparent "M"=Milky	40=4000K 50=5000K	It can be A ,B,C,D

* All data are related to the entire product
Due to the special conditions of the manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical value.
For technical information of other CCT, please contact our sales representative.

Electrical and Photometric Characteristics

Base Type G13	Nominal Voltage 120V-277V	IP Rating IP20	Power Factor >0.9	Non- dimmable	CRI >80	Starting Time <1.0 s	Lumen Maintenance 50,000Hours	Operating Temp. -20°C ~ +45°C



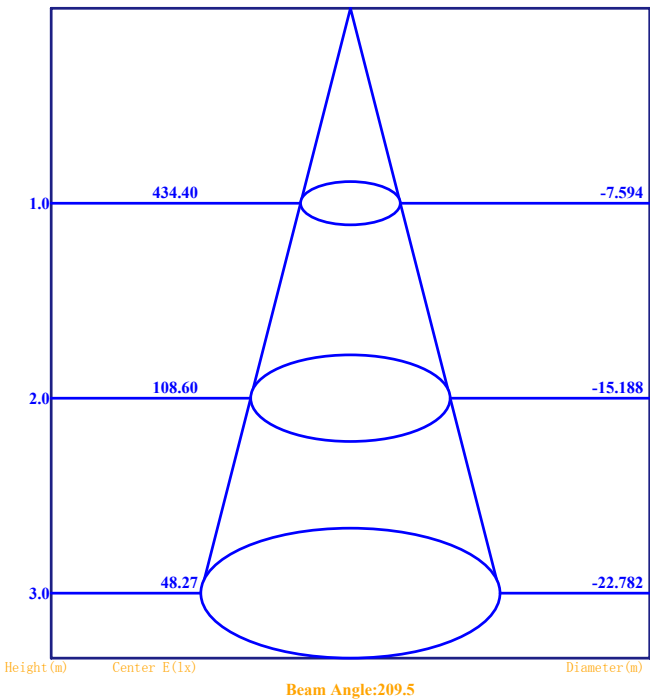
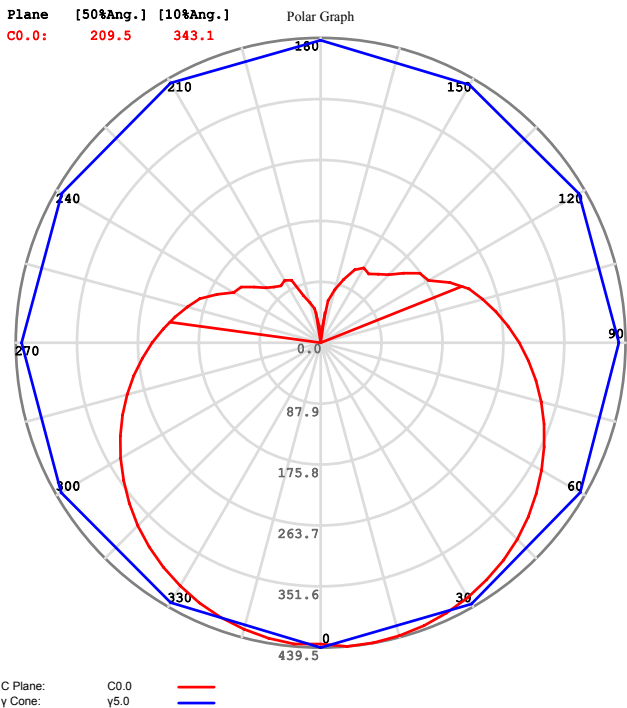
T8 LED Tube For Supermarket

Luminous Intensity Distribution Diagram

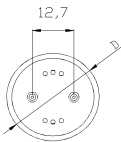
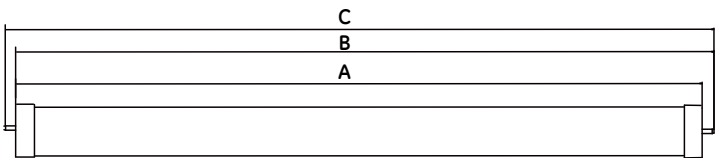


4ft 5000K 18W 2100LM

2D Light Intensity Distribution Curve



Dimension Diagram



Maximum overall length (mm)	2ft	4ft
A	588	1198
B	595	1205
C	603	1213

T8 LED Tube For Industry

Package



Package Dimension

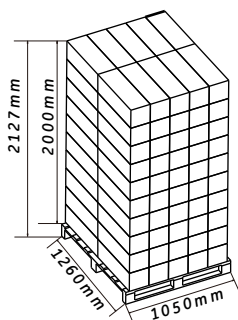
Size	Size of Carton LxWxH (mm/in)	Net Weight/Pcs	Gross Weight/Carton
2ft	625x 195 x 195mm / 24"x 7.7"x 7.7"	0.11kg/0.24lbs	3.3kg/7.26lbs
4ft	1235 x 195 x 195mm / 48.62"x 7.7"x 7.7"	0.2kg/0.44lbs	5.93kg/13.11lbs

Package Information

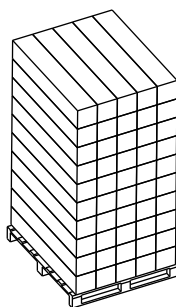
Size	Qty/Carton	Qty/Pallet	Container				Container(with pallet)			
			20'GP	40'GP	40'HQ	45'HQ	20'GP	40'GP	40'HQ	45'HQ
2ft	25	2500	23325	49125	63875	79775	20000	45000	45750	55000
4ft	25	1250	11400	24250	31875	39775	10000	22500	22875	27500

* Note: The above full container load quantities are based on tube packages foam holders+outer carton.

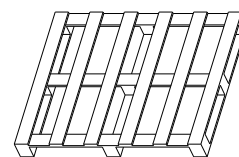
Pallet Packing Information (* This data Based on the 40'GP)



2ft 100 Cartons



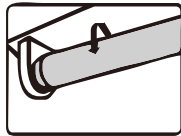
4ft 50 Cartons



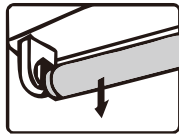
Installation Diagram



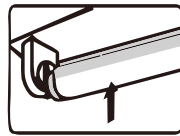
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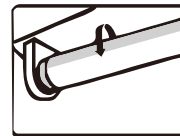
2 Fluorescent



3 Fluorescent



4 LED T8 InstantFit



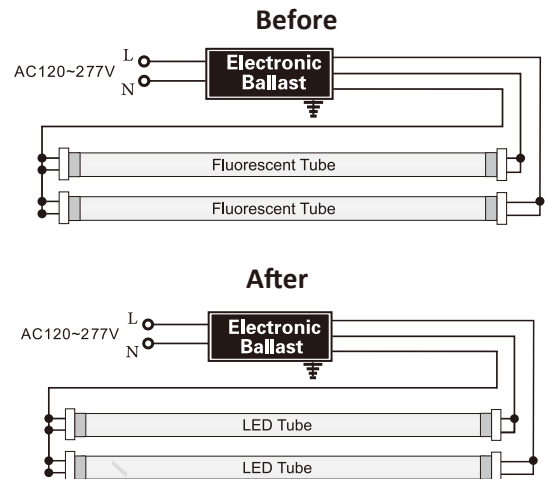
5 LED T8 InstantFit



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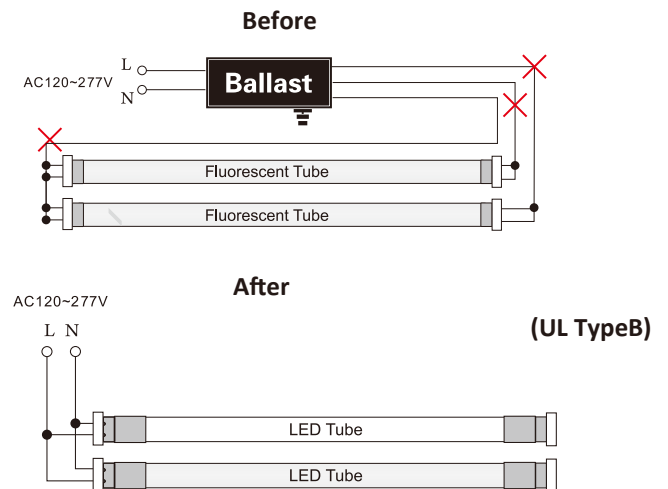
"Plug" and "Play" procedure

1. Turn off the power.
2. Remove diffuser (if provided).
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Put led tube in the lighting fixture.
5. Install the led tubes, close the diffuser (if provided).
6. Turn on the power.



Retrofit procedure

1. Turn off the power.
2. Remove diffuser (if provided).
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Cut the wires as shown in the diagram.
5. Make the new wire connect to branch circuit as shown.
6. Replace the cover over the wiring channel.
7. Install the led tubes, close the diffuser.
8. Turn on the power.



WARNING

1. These lamps should be installed by a licensed electrician.
 2. These lamps should be used indoors(damp or dry locations only).Not suitable for wet location.
 3. Make sure tombstones/lampholder are still in good condition and not defected before installation.
 4. Ensure the brand and model no. of the ballast of replacement tube are in our compatible ballast list.
 5. Make sure the ballast is working and still under warranty before installation.
 6. Put LED tubes/G13 pins into right position of the socket, install properly.
 7. This device is not suitable for using with emergency exits.
 8. These lamps are not suitable to be used with a light dimmer.
- If the LED lamp damaged by any one who didn't comply with above warning,We'll not responsible for that.

Ballast List For T8 LED Tube



1.Our tubes can be compatible with the ballasts listed below,if you intend to install ballast compatible tube with ballasts not be listed below, risk of damage or losses may occur.We disclaim liability for any damage or losses by not following the instructions in this document.
2.We are testing more and more ballasts and will update this list all the time.If you do not see your ballast on the list,please contact us.

ACCUPRO	
1	AP-432IP-UNV
2	AP-332IP-UNV-M
ADVANCE	
1	IOPA-4P32-LW-N
ESPEN	
1	VE232MVHIPLE
2	VE232MVHIPE
3	VE432MVHIPE
4	VE432MVHIPLE
5	VE432120HIP
GE	
1	GE232MAX-L/Ultra
2	GE332MAX-N/Ultra
3	GE232MAX347-N
4	GE432MAX347-N
5	GE232-MVPS-N
6	GE332-MVPS-N
7	GE432-MVPS-N
8	GE432-120RESDIYB
9	GE-240-RS-MV-N
10	GE232-N-347
11	GE132MAX-H/ULTRA
Halco	
1	EP232IS/L/MV/HE
HOWARD INDUSTRIES	
1	EP3/32IS/MV/MC/HE
KEYSTONE	
1	KTEB-232RIS-1-TP-SL
2	KTEB-232RIS-1-TP-SL/Ga
OSRAM	
1	QHE 2x32T8/UNV ISN-SC
2	QHE 3x32T8/UNV ISN-SC
3	QHE 3x32T8/UNV PSN-SC

PHILIPS	
1	ICN-2P32-N
2	ICN-3P32-N
3	ICN-2S40-N
4	IOP-4P32-LW-N
5	IOPA-1P32-N
6	IOPA-4P32-N
7	IOPA-2P32-LW-N
8	IOP-3P32-N
SYLVANIA	
1	QHE 1x32T8/UNV ISN-SC
2	QHE 3x32T8/UNV ISL-SC
3	QTP 2x32T8/UNV ISL-SC
4	QT 4X32/120 LP
5	QT 2x32 T8/347 ISL-SC
6	QHE 4x32T8/347 ISN-SC
7	QHE 4x32T8/347 ISL-SC
TRIAD	
1	B232IUNVHP-N
2	B332IUNVHP-A
3	B432IUNVHP-A
4	B232IUNVHP-B
UNIVERSAL	
1	B332IUNVHE-A
2	B432IUNVHE-A
3	B232IUNVEL-N
4	B332IUNVEL-A
5	B232IUNVHEH-A
6	B332PUNVHE-A
7	B4321UNVEL-A
WORK HORSE	
1	WH3-120-C
2	WH3-120-L
Pacific Fluorescent	
1	EB-232IS-120-RES