

**VIRTUTECH**

LED TUBE



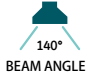
# T8 TYPE A+B GLASS TUBE (CCT SELECTABLE TUBE SERIES)

- 3 CCTs in 1, Customizable Light Effects.
- 4ft 18W/15W, 2ft 10W.
- Perfect ballast compatibility, most cost-effective solution.
- Thermal-fuse and dedicated leakage protect IC inside.



# T8 LED Tube For Car Parks

## LED Tube T8 High Output



Item Number	Wattage (W)	Length (ft)	CCT (Kelvin)	Mix Luminous flux (lm)	CRI (Ra)	Beam Angle (Degree)	Pack Qty (Pcs)	Dimming*
DYU-T8GABBEEL0610-TZZ-XX	10	2	3500K-4000K-5000K or 4000K-5000K-6500K	1350(Typically TypeA)/≥1500(TypeB)	>80	> 140°	25	YES
DYU-T8GABBEEL1215-TZZ-XX	15	4	3500K-4000K-5000K or 4000K-5000K-6500K	1950(Typically TypeA)/≥2100(TypeB)	>80	> 140°	25	YES
DYU-T8GABBEEL1218-TZZ-XX	18	4	3500K-4000K-5000K or 4000K-5000K-6500K	2100(Typically TypeA)/≥2340(TypeB)	>80	> 140°	25	YES

\* For technical information of other CCT, please contact our sales representative.  
 \*Coordinate with customized 1-10V dimming driver to achieve dimming function.

### Model Instructions

D Y U - T 8 G A B B E E L 0 6 1 0 - T Z Z - X X

Company Code	Category	Material	DLC Type	Power mode	Certificate	Length	Wattage	Dimming	CCT	Version
DYU	T8	G	AB	BE	EL	06/12	10/15/18	T	ZZ	XX
	T8 =T8 Tube	G=Glass	AB= Type A+B	BE= Both end	EL=ETL	06=60cm=2ft 12=120cm=4ft	10=10W 15=15W 18=18W	T=CCT Selectable Tube Series	35=3500K LEDs and 5000K LEDs 36=3500K leds and 6500K leds 46=4000K LEDs and 6500K LEDs	commercial code 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



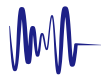
Base Type  
G13



Nominal Voltage  
120V-277V



IP Rating  
IP20



Power Factor  
>0.9



dimmable



CRI  
>80



Starting Time  
<1.0 s



Lumen Maintenance  
50,000Hours



Operating Temp.  
-20°C ~ +45°C

\*Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.  
 \*Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).

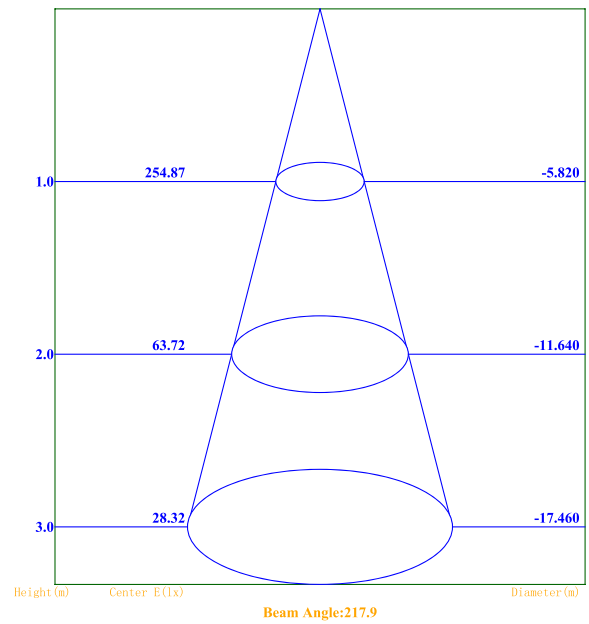
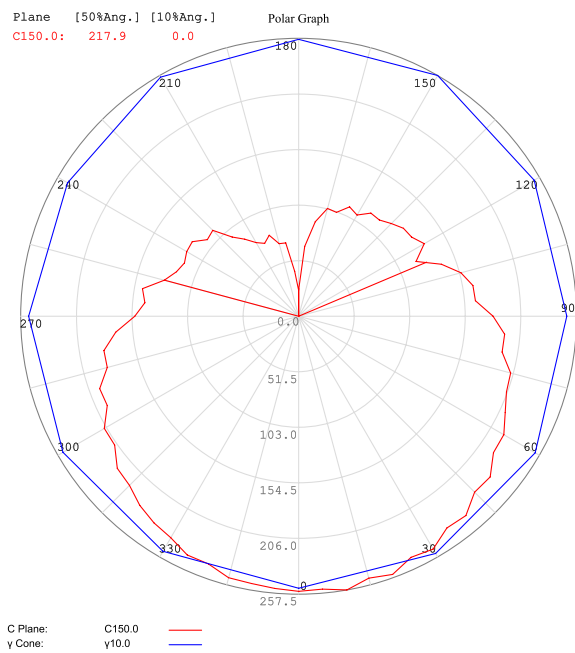
# T8 LED Tube For Supermarket



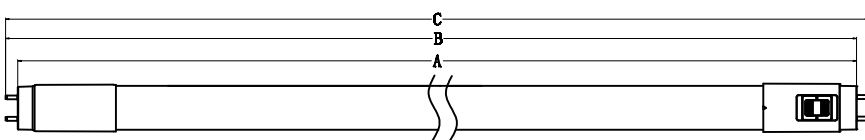
## Luminous Intensity Distribution Diagram

15W 4000K.IES

2D Light Intensity Distribution Curve



## Dimension Diagram



Maximum overall length (mm)	2ft	4ft
A	589.8	1199.4
B	596.9	1206.5
C	604	1213.6

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# T8 LED Tube For Industry

## Package

### Package Dimension

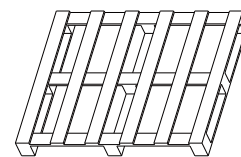
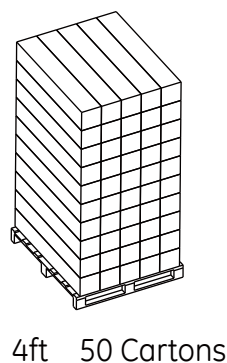
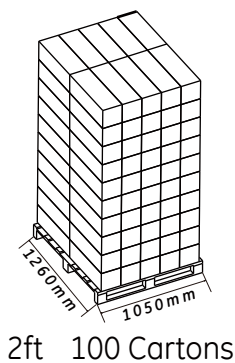
Size	Size of Carton LxWxH (mm/in)	Net Weight/Pcs	Gross Weight/Carton
2ft	660x 180x 198mm / 26"x 7.1"x 7.8"	0.13kg/0.28lbs	3.8kg/8.37lbs
4ft	1270x 180x 198mm / 50"x 7.1"x 7.8"	0.21kg/0.46lbs	6.3kg/13.89lbs

### 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	≈ 52000	≈ 63875	≈ 79775	≈ 20000	≈ 45000	≈ 50000	≈ 55000
4ft	25	≈ 1250	≈ 11400	≈ 30000	≈ 36000	≈ 40300	≈ 10000	≈ 22500	≈ 30000	≈ 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)

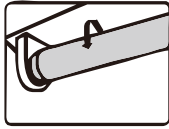


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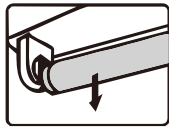
## Installation Guide:



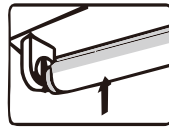
1. Turn Off The Power



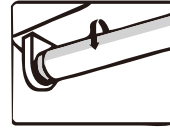
2. Fluorescent



3. Fluorescent



4. LED T8 Instant Fit



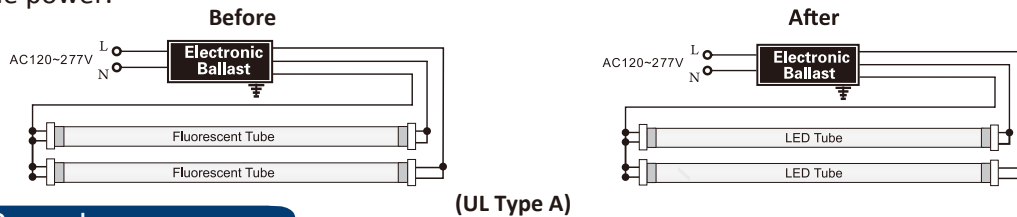
5. LED T8 Instant Fit



6. Turn On The Power

## “Plug” and “Play” procedure

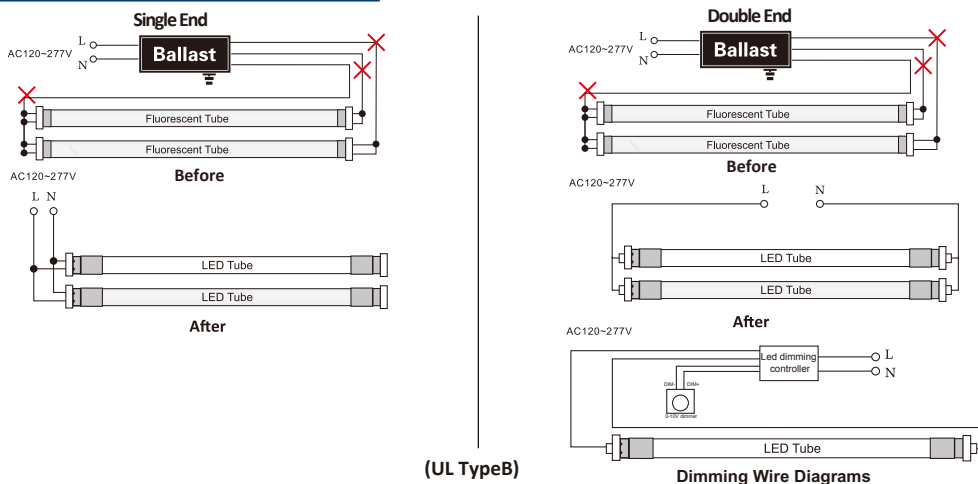
1. Turn off the power.
2. Remove diffuser(if provided).
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Select the appropriate CCT, then put led tube in the lighting fixture.
5. Install the led tubes, close the diffuser(if provided).
6. Turn on the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

## Wire Diagrams



## WARNING

1. These LED Tubes should be installed by a licensed electrician.
2. These LED Tubes 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 led tubes can not match with phase-cut dimmer or 0/1-10V dimmer directly, please coordinate with customized 1-10V dimming driver to achieve dimming function.
9. Manufacturer is not liable for any damage to product or property due to improper installation. Please refer to the above Installation Instructions for reference.

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# 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.

<b>ACCUPRO</b>	
1	AP-432IP-UNV
2	AP-332IP-UNV-M
<b>ADVANCE</b>	
1	IOPA-4P32-LW-N
<b>ESPEN</b>	
1	VE232MVHIPL
2	VE232MVHIPE
3	VE432MVHIPE
4	VE432MVHIPL
5	VE432120HIP
<b>GE</b>	
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
<b>Halco</b>	
1	EP232IS/L/MV/HE
<b>HOWARD INDUSTRIES</b>	
1	EP3/32IS/MV/MC/HE
<b>KEYSTONE</b>	
1	KTEB-232RIS-1-TP-SL
2	KTEB-232RIS-1-TP-SL/Ga
<b>OSRAM</b>	
1	QHE 2x32T8/UNV ISN-SC
2	QHE 3x32T8/UNV ISN-SC
3	QHE 3x32T8/UNV PSN-SC

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

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