



BrightFit™

LED T8 TUBE



Our new BrightFit T8 4FT Tube offers significant energy efficiency and lifetime improvements over fluorescent lamps. BrightFit is made of full Aluminum housing with PC Cover Clear lens which makes BrightFit the most durable 4FT tube of its kind. Our BrightFit lamps are installed by bypassing existing fluorescent ballasts and hard-wiring tombstone lamp-holders directly to incoming AC power leads. Dual-ended bypass lamps eliminate the need to replace shunted tombstone lamp-holders in existing fluorescent luminaires.

Product Features

- Available Clear Lens / 4Ft
- Up to 125 Lumens per Watt
- 5 Wattage Adjustable 12W/15W/18W/20W/22W
- 5 CCT Adjustable 3500K/4K/5K/5700K/6500K
- Double End Power
- Environmentally friendly without mercury
- Type A+B with G13 Base, Double Ended Power & requires ballast bypass.
- Aluminum Housing with clear PC Cover
- Input Voltage 120-277Vac / 50-60Hz
- ETL Listed
- 5 Year warranty

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SKU #	Model #	Wattage Adjustable	Lumens	CCT Adjustable	Base	Lens	Type	Length	Certifications
156997	DYU-TTWTWC-AA	12W/15W/18W/ 20W/22W	2750Lm	3500K/4K/5K/ 5700K/6500K	G13	Clear	A+B	4ft	ETL

SKU: 156997 / 4Ft

Specifications

Parameter	Description	Value
General Performance	Model #	DYU-TTWTWC-AA
	Wattage	12W/15W/18W/20W/22W
	Lumen	2750Lm
	Lumen Efficacy	Up to 125LM/W
	Color Temperature	3500K/4K/5K/5700K/6500K
	CRI (Ra)	>80
	Beam Angle	140° Degree
	Diffuser Type	Clear
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	Power Factor	>0.9
	THD	≤25%
Physical	Operating Temperature	-20°C ~ +45°C
	Operating Humidity	0~90%
	Storage Temperature	-20°C ~ +70°C
	Storage Humidity	0~90%
	LED Brand	DH
	LED Type	SMD 2835
	Housing Material	Aluminum + PC
Qualification	Housing Color	White
	IP Rating	IP20
	Warranty	5 Year

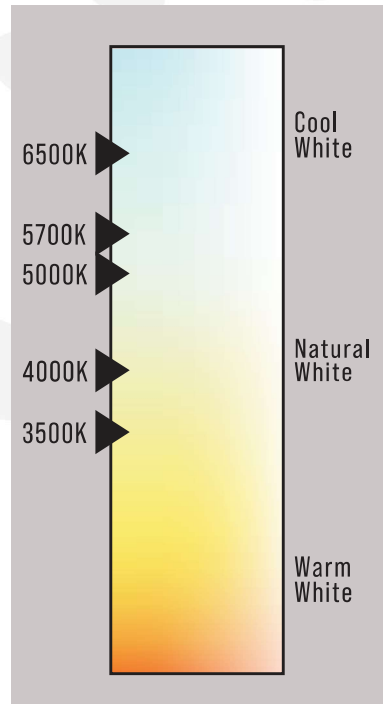
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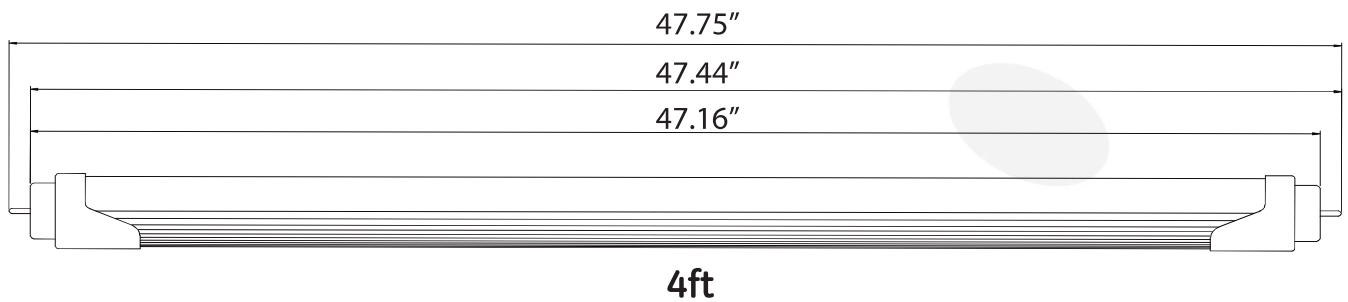
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Correlated Color Temperature (CCT)



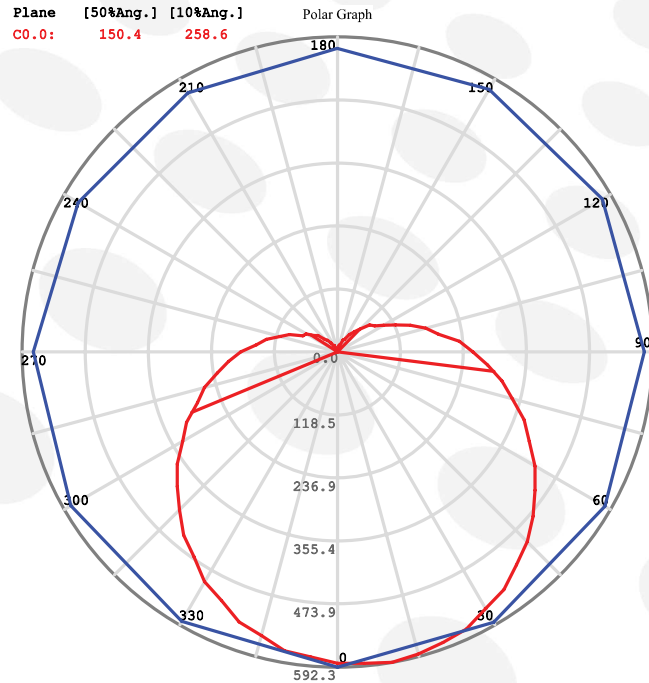
Dimension



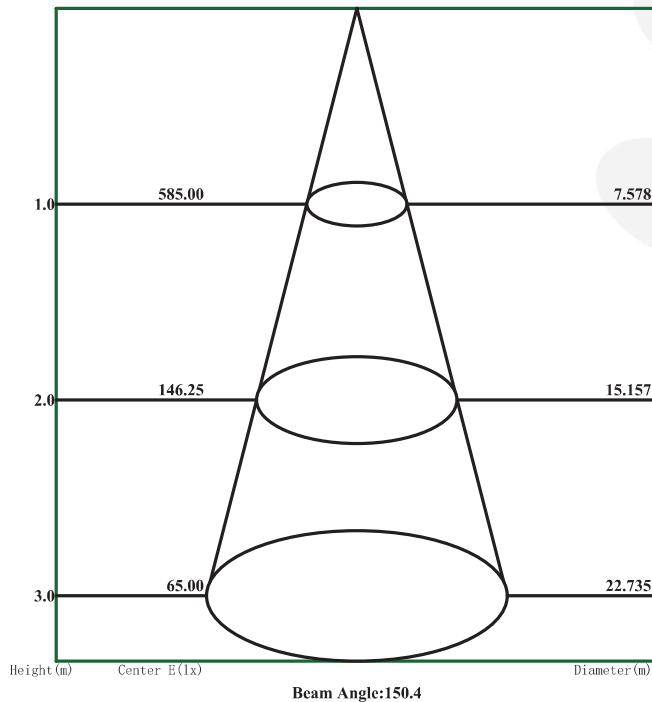


Luminous Intensity Distribution Diagram

4ft / 6500K / 22W



C Plane: C0.0
 y Cone: y10.0





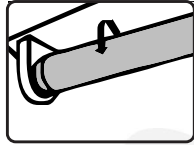
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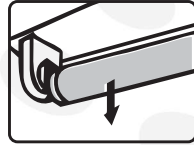
Installation



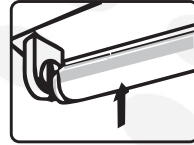
1. Turn Off The Power



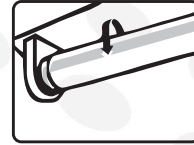
2. Fluorescent



3. Fluorescent



4. LED T8 Instant Fit



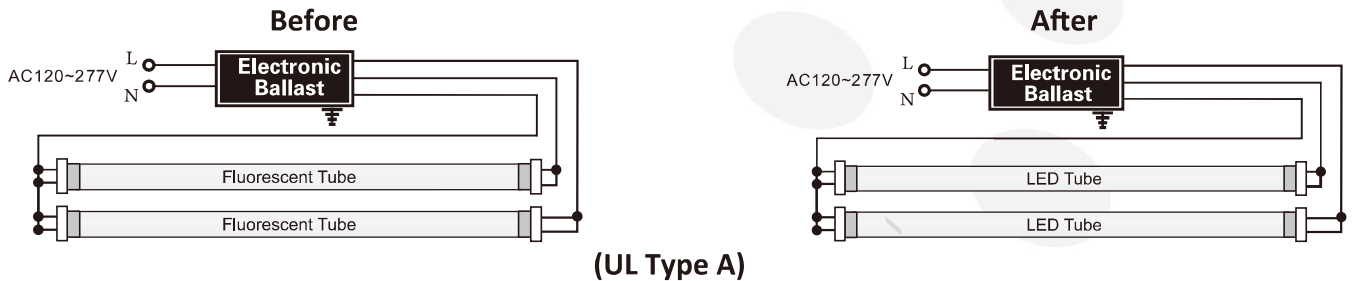
5. LED T8 Instant Fit



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.



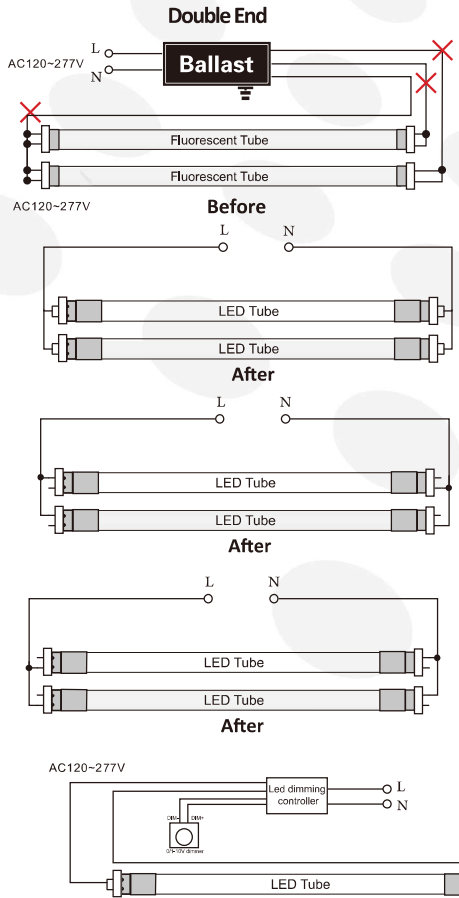
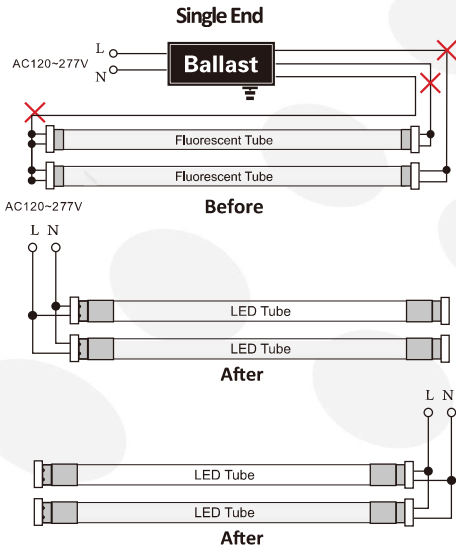
Retrofit Procedure

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.



Installation

Wire Diagrams



(UL TypeB)

Dimming Wire Diagrams

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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.

ACCUPRO	
1	AP-432IP-UNV
2	AP-332IP-UNV-M
ADVANCE	
1	IOPA-4P32-LW-N
ESPEN	
1	VE232MVHIPL
2	VE232MVHIPE
3	VE432MVHIPE
4	VE432MVHIPL
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	IOP-4P32-LW-N
4	IOPA-1P32-N
5	IOPA-4P32-N
6	IOPA-2P32-LW-N
7	IOP-3P32-N
SYLVANIA	
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
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	B432IUNVEL-A
WORK HORSE	
1	WH3-120-C
2	WH3-120-L
Pacific Fluorescent	
1	EB-232IS-120-RES

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Installation

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 specified 1-10V dimming driver to achieve dimming function.
9. Do not install these LED tubes in enclosed fixtures.
10. Do not use with magnetic ballasts.
11. Manufacturer is not liable for any damage to product or property due to improper installation.
Please refer to the above Installation Instructions for reference.

Packaging

SKU #.	Box Type	Dimension (Inches)	Size	Qty	Net Weight	Gross Weight
156997	Outer Box	49.21 x 7.67 x 8.46	4Ft	25	0.46 LBS	14.8 LBS



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Application Picture



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Application Picture



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Warranty

5 Year Warranty