



MR™ LED T8 Glass Tube



Beyond LED Technology's MR High Quality LED T8 lamps offer a good replacement for conventional fluorescent lamps, offering significant energy-efficiency and lifetime improvements. These tubes are an ideal replacement for 36w T8 or 40w T12 fluorescent tubes offering energy-savings of up to 55% compared to their T12 fluorescent equivalents. These products are often used in environments like offices, schools, shops, warehouses, and domestic applications such as kitchens and garages. This Type B version requires a ballast by-pass and can be used with either a single-ended or a double-ended power input. These lamps are available in 5000k (Cool White) and 6500k (Daylight) CCT models.

Product Features

- Environmentally friendly: no mercury used
- Instant start-up and instant energy saving
- Frosted lens eliminates pixilation
- Integral driver (non-isolated), eliminates the need for an external driver or ballast
- Improved lamp durability with shatterproof coated glass (optional)
- Complies with UL safety regulations for tubes with double ended wiring
- Up to 150 Lumens per Watt
- Single & Double End Power
- Full glass housing inhibits yellowing and distortion
- Longer lifespan – 50,000 hours
- Uniform illumination with no visible LED pixilation
- No flickering for maximum eye comfort
- Universal 120-277Vac 50-60Hz



LED T8 Glass Tube



SKU #	Model #	Watt	Lumens	CCT	Lens	Power	Type	Base	Length	Certifications
153482	DYSYHUTBGBBE2UL1218AM50-B	18W	2700Lm	5000K	Frosted	Single Ended/ DoubleEnded	B	G13	4ft	UL & DLC
153483	DYSYHUTBGBBE2UL1218AT65-B	18W	2700Lm	6500K	Clear	Single Ended/ DoubleEnded	B	G13	4ft	UL
156851	SYHU-T8GABBEUL1218AT-50-B	18W	2700Lm	5000K	Clear	Single Ended/ DoubleEnded	A+B	G13	4ft	UL
156855	SYHU-T8GABBEUL1218AT-50-B	18W	2700Lm	6500K	Clear	Single Ended/ DoubleEnded	A+B	G13	4ft	UL

SKU: 153482

Specifications

Parameter	Description	Value
General Performance	Model #	DYSYHUTBGBBE2UL1218AM50-B
	Wattage	18W
	Lumen	2700Lm Max
	Lumen Efficacy	Up to 150LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	220° Degree
	Diffuser Type	Frosted
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	Non-Dimmable
	Power Factor	≥0.9
Physical	Operating Temperature	-20°C - 45°C
	Operating Humidity	45%-85% RH
	Storage Temperature	-20°C - 45°C
	Storage Humidity	45% - 85% RH
	LED Brand	Sinowin
	LED Type	SMD 2835
	LED QTY	84 Pcs (Type B)
	Housing Material	Glass Tube
Qualification	Housing Color	White
	IP Rating	IP20
	Warranty	5 Years



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LED T8 Glass Tube

SKU: 153483

Specifications

Parameter	Description	Value
General Performance	Model #	DYSYHUTBGBBE2UL1218AT65-B
	Wattage	18W
	Lumen	2700Lm Max
	Lumen Efficacy	Up to 150LM/W
	Color Temperature	6500K
	CRI (Ra)	>80
	Beam Angle	220° Degree
	Diffuser Type	Clear
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	Non-Dimmable
	Power Factor	≥0.9
Physical	Operating Temperature	-20°C - 45°C
	Operating Humidity	45%-85% RH
	Storage Temperature	-20°C - 45°C
	Storage Humidity	45% - 85% RH
	LED Brand	Sinowin
	LED Type	SMD 2835
	LED QTY	84 Pcs (Type B)
	Housing Material	Glass Tube
Qualification	Housing Color	White
	IP Rating	IP20
	Warranty	5 Years



LED T8 Glass Tube



SKU: 156851

Specifications

Parameter	Description	Value
General Performance	Model #	SYHU-T8GABBEUL1218AT-50-B
	Wattage	18W
	Lumen	2700Lm Max
	Lumen Efficacy	Up to 150LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	220° Degree
	Diffuser Type	Clear
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	Non-Dimmable
	Power Factor	≥0.9
Physical	Operating Temperature	-20°C - 45°C
	Operating Humidity	45%-85% RH
	Storage Temperature	-20°C - 45°C
	Storage Humidity	45% - 85% RH
	LED Brand	N/A
	LED Type	SMD 2835
	LED QTY	N/A
Qualification	Housing Material	Glass Tube
	Housing Color	White
	IP Rating	IP20
	Warranty	5 Years

LED T8 GLASS TUBE



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LED T8 Glass Tube

SKU: 156855

Specifications

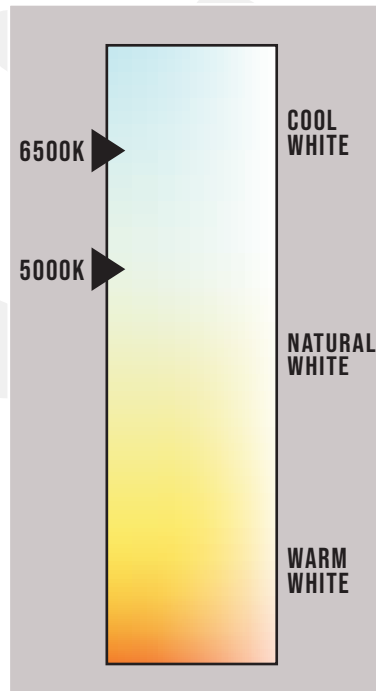
Parameter	Description	Value
General Performance	Model #	SYHU-T8GABBEUL1218AT-50-B
	Wattage	18W
	Lumen	2700Lm Max
	Lumen Efficacy	Up to 150LM/W
	Color Temperature	6500K
	CRI (Ra)	>80
	Beam Angle	220° Degree
	Diffuser Type	Clear
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	Non-Dimmable
	Power Factor	≥0.9
Physical	Operating Temperature	-20°C - 45°C
	Operating Humidity	45%-85% RH
	Storage Temperature	-20°C - 45°C
	Storage Humidity	45% - 85% RH
	LED Brand	N/A
	LED Type	SMD 2835
	LED QTY	N/A
Qualification	Housing Material	Glass Tube
	Housing Color	White
	IP Rating	IP20
	Warranty	5 Years



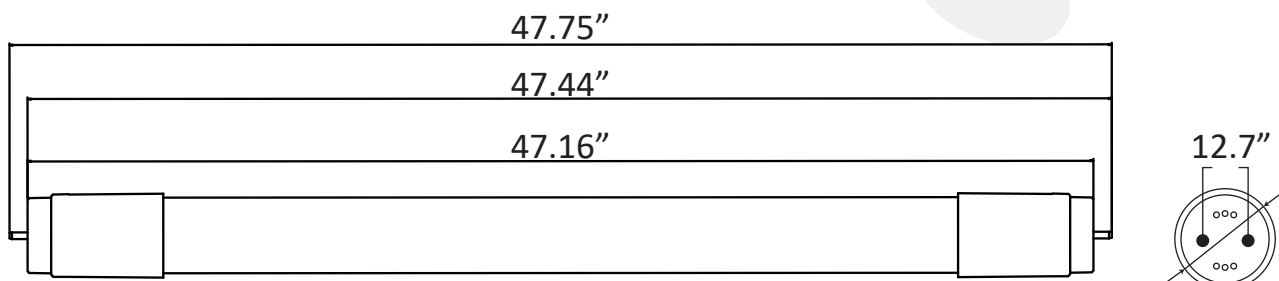
LED T8 Glass Tube



Correlated Color Temperature (CCT)



Dimension



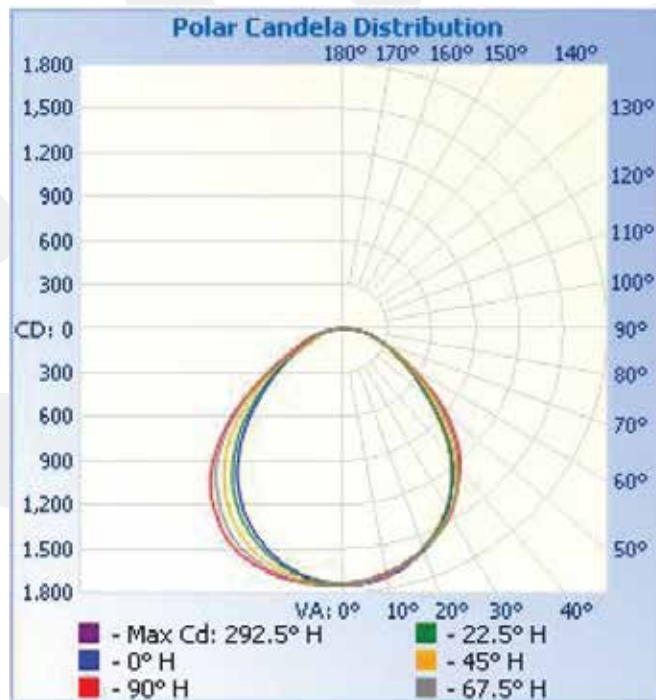


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LED T8 Glass Tube

Photometric Data

Luminous Intensity Distribution Curve



Illuminance at a Distance

Illuminance at a Distance			
	Center Beam fc	Beam Width	
3.3ft	160.1 fc	7.2 ft	8.6 ft
6.6ft	40.0 fc	14.3 ft	17.2 ft
9.9ft	17.8 fc	21.5 ft	25.7 ft
13.2ft	10.0 fc	28.6 ft	34.3 ft
16.5ft	6.4 fc	35.8 ft	42.9 ft
19.8ft	4.4 fc	42.9 ft	51.5 ft
■ Vert. Spread: 94.6° ■ Horiz. Spread: 104.9°			

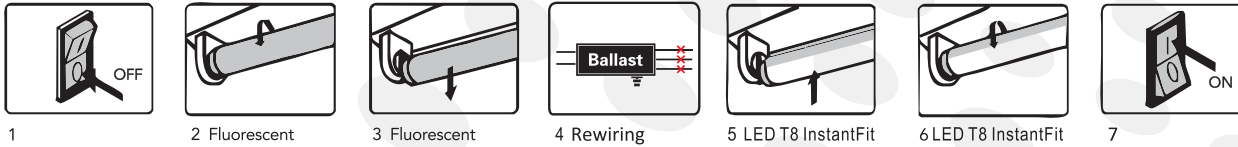
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LED T8 Glass Tube



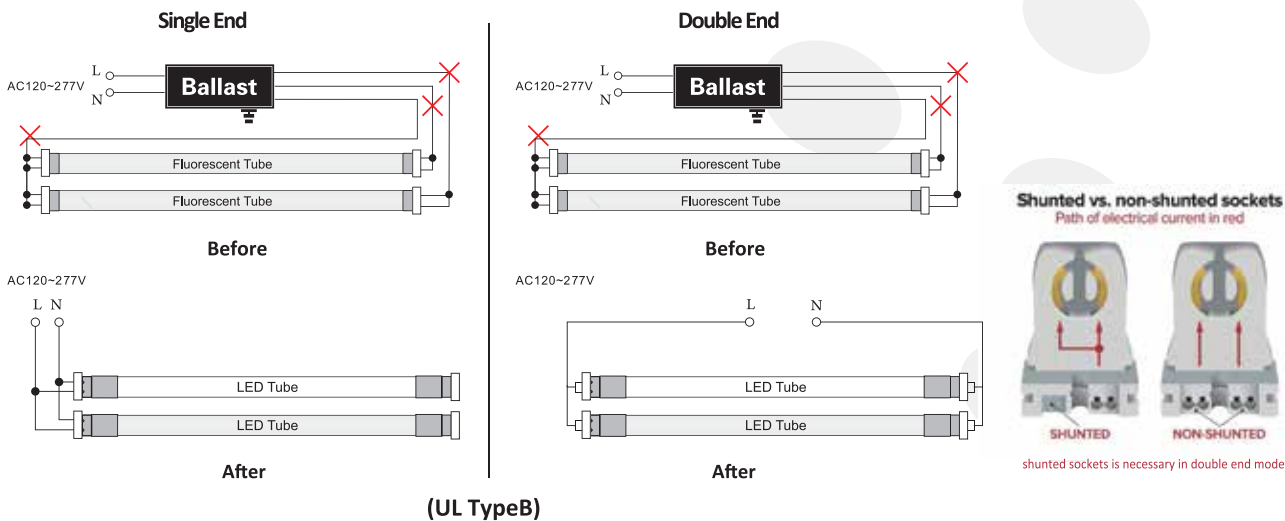
Installation (SKU: 153482/153483)

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

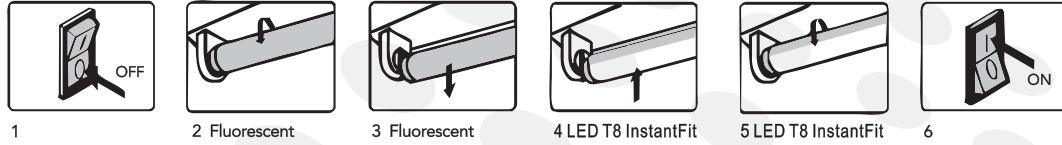
1. 0-10V dimmable (only with our dimmer).
2. These lamps should be installed by a licensed electrician.
3. These lamps should be used indoors(damp or dry locations only).Not suitable for wet location.
4. Make sure tombstones/lampholder are still in good condition and not defected before installation.
5. Put LED tubes/G13 pins into right position of the socket, shunted sockets is necessary in double end mode.
6. This device is not suitable for using with emergency exits.
7. If the LED lamp damaged by any one you didn't comply with above warning. We'll not responsible for that.



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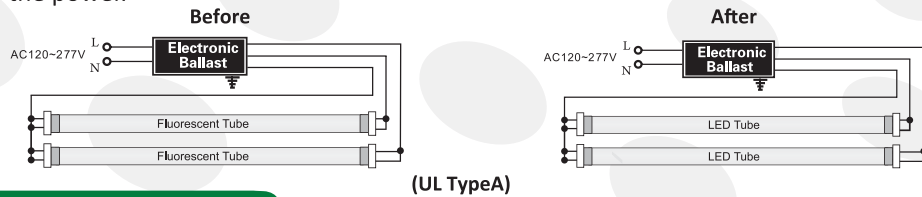
LED T8 Glass Tube

Installation (SKU: 155376)



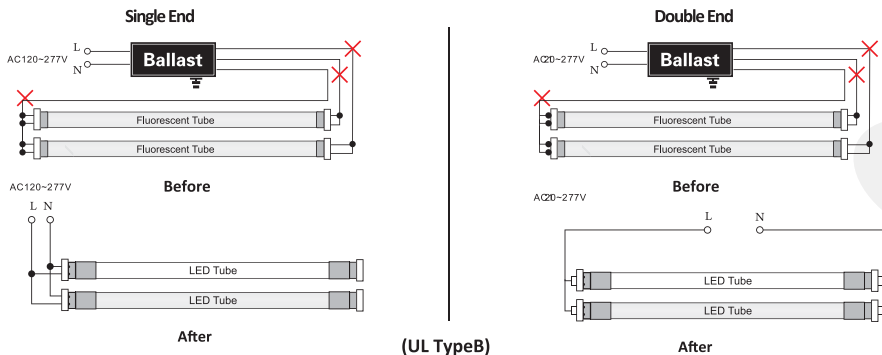
“Plug” and “Play” procedure

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.



Shunted vs. non-shunted sockets
Path of electrical current in red



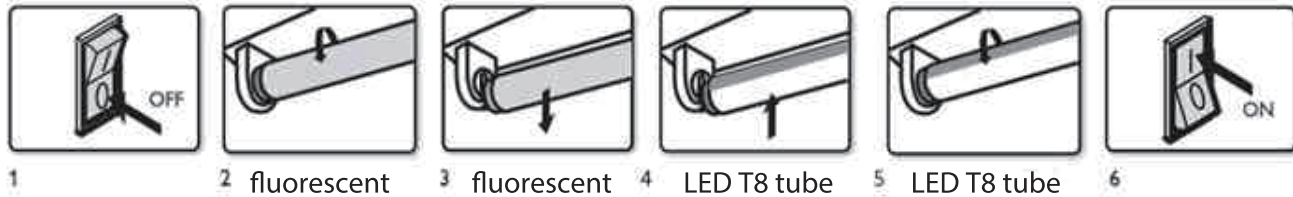
shunted sockets is necessary in double end mode

⚠ WARNING

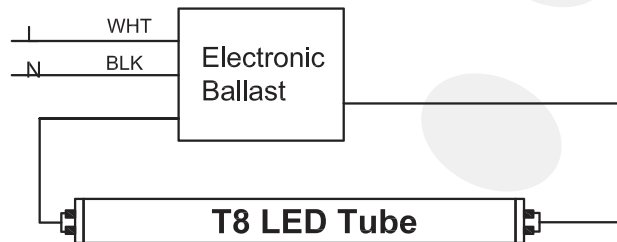
1. 0-10V dimmable (only with our dimmer).
2. These lamps should be installed by a licensed electrician.
3. These lamps should be used indoors(damp or dry locations only).Not suitable for wet location.
4. Make sure tombstones/lampholder are still in good condition and not defected before installation.
5. Ensure the brand and model no. of the ballast of replacement tube are in our compatible ballast list.
6. Make sure the ballast is working and still under warranty before installation.
7. Put LED tubes/G13 pins into right position of the socket,shunted sockets is necessary in double end mode.
8. This device is not suitable for using with emergency exits.
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.



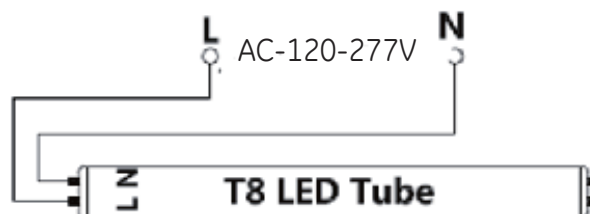
Installation (SKU: 156851/156855)



1. Switch off the power before replacement.
2. Remove diffuser(if needed).
3. Remove the existing fluorescent lamp.
4. Verify the existing ballast is on our ballast list or not.
 - If led tube can be compatible with existing ballast:
 - Plug T8LED tube into lamp holders of existing fixture
 - Put on diffuser(if removed in step 2)
 - Turn on power and check the light distribution.



- If LED tube can't be work with existing ballast or the ballast is dead:
- A qualified electrician needed
- Remove the existing ballast and rewire as AC 100-277V input
- Put onLED tube into the lamp holders of existing fixture
- Put on the cover diffuser (if needed)
- Turn on the power and check the light distribution.





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LED T8 Glass Tube

Packaging

SKU	Carton Size (Inches)	Qty/Box	N.W/Box	G.W/Box
153482	49 x 8 x 8	25Pcs	10.3 LBS	12.5 LBS
153483	49 x 8 x 8	25Pcs	10.5 LBS	12.7 LBS
156851	48.6 x 7.6 x 7.6	25Pcs	10.5 LBS	12.7 LBS
156855	48.6 x 7.6 x 7.6	25Pcs	10.5 LBS	12.7 LBS

Tolerance of Carton Size: ± 15 MM, Tolerance of Weight: $\pm 10\%$.

Application

- High Output for Car Parks.
- High Output for Supermarkets.
- High Output for Industry and Commercial Sector.



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LED T8 Glass Tube



Application



LED T8 GLASS TUBE



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Safety Precautions

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels. Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions. Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.

For the installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING: RISK OF FIRE OR ELECTRICAL SHOCK

Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply. Turn off the power when you perform any maintenance. Verify that supply voltage is correct by comparing it with the luminaire label information. Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements. All wiring connections should be capped with UL approved wire connectors.

CAUTION: RISK OF INJURY

Avoid direct eye exposure to the light source while it is on. Account for small parts and destroy packing material, as these may be hazardous to children.

Warranty

5 Years Warranty

This product is warranted to be free from defects in workmanship and materials for up to 5 Years from date of purchase. If it fails to do so, please contact Beyond LED technology at sales@beyondledtechnology.com or call 1(866) 786-1117 for instructions on replacement.