



T8 LED Tube



G5 Series



G5 series T8 LED Tube is an economic solution for fluorescent replacement, which can directly drop into existing T8, T10, T12 fixtures, without ballast or starter.

G5 Series adopts 5050 SMD LED diodes, and clear lens to maximize lumen output. The lamp can produce equivalent illuminance as fluorescent tube while save more than 50% energy.

G5 Series comes with UL listed external power supply, input voltage 100-277VAC. With power supply placed outside, G5 Series achieves good thermal property.

For heat management, the lamp uses patented and proven solution, which can dissipate heat from LED chip to air quickly and efficiently. Without heat buildup, it makes reliable and optimizes performance and life span of the lamp.



Features:

- Economic version, high cost-effective;
- Maximum lumen output with clear lens;
- Higher Brightness (Max. 1797(48" in) lm;)
- Stable performance with external power supply;
- 50% Energy saving;
- Good light quality and good heat dissipation;
- Minimum maintenance costs;
- Green and eco-friendly lighting source without mercury.



Ordering Information

Part Number	Description	Unit
ECO-A-2G5	G5 EPS, Natural White, 40LEDs, 0.6m, Max. 36VDC, 120 degree, Clear Lens	pcs
ECO-A-4G5	G5 EPS, Natural White, 80LEDs, 1.2m, Max. 36VDC, 120 degree, Clear Lens	pcs
ECO-A-6G5	G5 EPS, Natural White, 100LEDs, 1.5m, Max. 36VDC, 120 degree, Clear Lens	pcs

Technical Specifications

Physical Specifications

Length	600 mm (1.96 ft)	1200 mm (3.93 ft)	1500 mm (4.92 ft)
Weight	220g	430g	520g
Housing	Aluminum		
Cover	Clear PC		
Tube Diameter	T8		
Base Type	G13		
Work Environment	Indoor use (applicable for dry environment)		

Electrical Specifications

	600 mm (1.96 ft)	1200 mm (3.93 ft)	1500 mm (4.92 ft)
LED Quantity	40LEDs	80LEDs	100LEDs
Power Consumption	9W \pm 2W	18W \pm 2W	21W \pm 2W
Input Voltage	Max.36VDC (Input Voltage of External Power Supply: 100~277VAC)		
Power Factor	>0.96		
Lighting Source	SMD LEDs		
Operation Temperature	-20~40°C (-4~104°F)		

Optical Specifications

	600 mm (1.96 ft)	1200 mm (3.93 ft)	1500 mm (4.92 ft)
Lumens	890 \pm 100 lm	1797 \pm 100 lm	2100 \pm 100 lm
Color Range	White		
Color Temperature	42-4750K		
CRI	>85		
Beam Angle	120°		

Installation Guide LED T8 External Driver

NOTE:

Please read this entire manual to fully understand and safely use this product.

Included in this Box

User Guide, 1 Set

Accessory Kit, 1 Set, including

-External Power Supply, 1 PCs

-Wire Nuts, 5 PCs

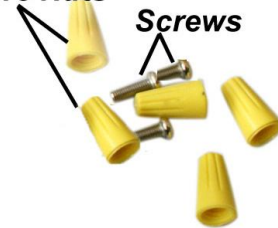
-Screws, 3 PCs

External Power Supply



Wire Nuts

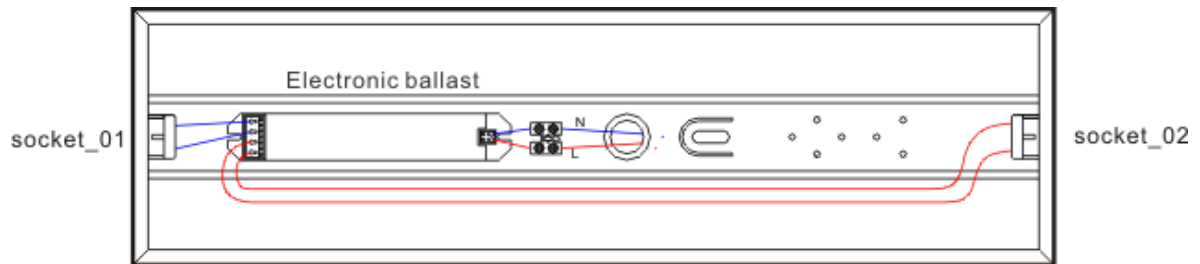
Screws



● Retrofit Luminaire with Electronic Ballast

Before

Figure 1



Installation Steps

Step 1: Turn off main power before installation

For safety, make sure main power source is switched off before attempting to install.

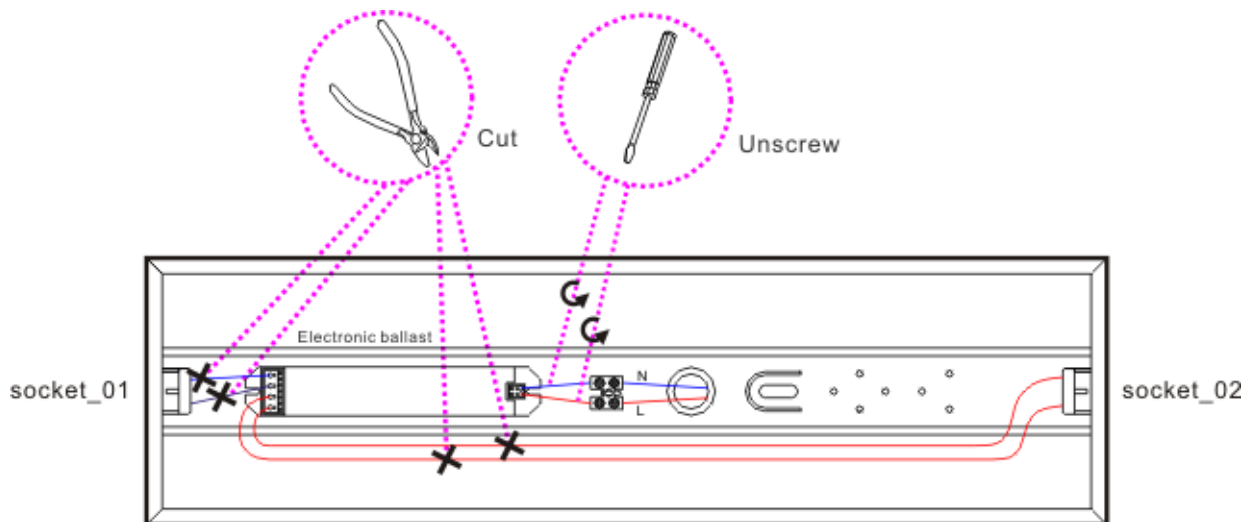
Step 2: Take existing fluorescent light out.

Existing fluorescent light is not needed. You might recycle it as appropriate.

Step 3: Open the ballast cover and disconnect all power wires from ballast and take the ballast out of the fluorescent luminaire shown as Figure 2 below.

Keep one wire of each socket to connect with the external power supply. The other wire shall be cut off immediately near the socket.

Figure 2



Step 4: Install the MATCHING external power supply shown as Figure 3 below.

The external power supply is sized to match the luminaire and to be installed near the middle of the luminaire by 3M tape and screws provided.

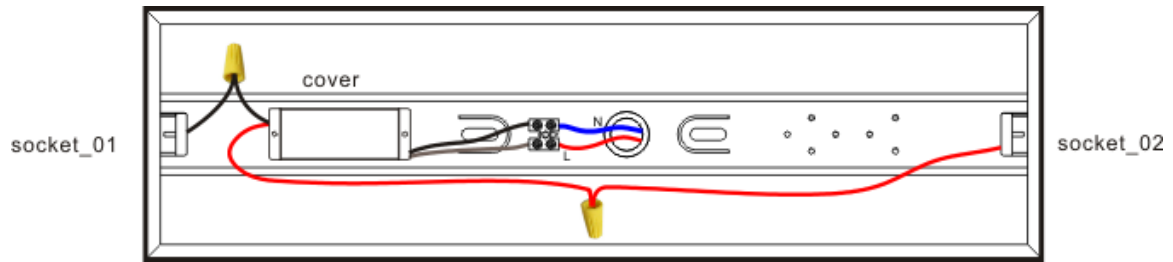
Connect input wires of external power supply to main power outlet.

Connect output wires of external power supply to one of wires of T8 sockets at both sides with wire nuts.

Place the existing cover back to protect the external power supply.

After

Figure 3

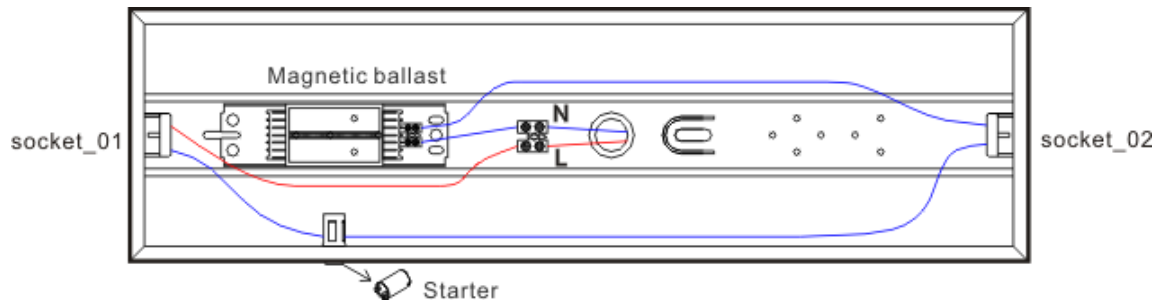


Step 5: Drop LED lamp into fluorescent luminaire. Switch main power on to light up LED lamp.

● Retrofit Luminaire with Magnetic Ballast

Before

Figure 4



Installation Steps

Step 1: Turn off main power before installation

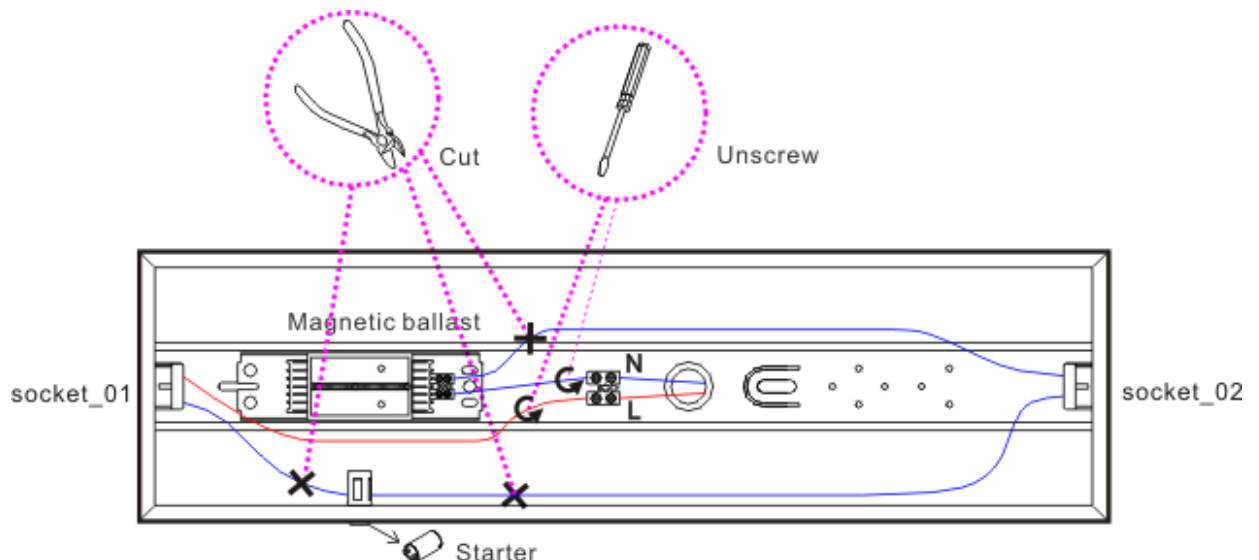
For safety, make sure main power source is switched off before attempting to install.

Step 2: Take existing fluorescent light out.

Existing fluorescent light is not needed. You might recycle it as appropriate.

Step 3: Open the ballast cover and disconnect all wires from ballast and starter from T8 sockets shown as Figure 5 below. Remove ballast from the fluorescent luminaire and recycle it as appropriate; keep starter in position; keep one wire of each socket to connect with the external power supply. The other wire shall be cut off immediately near the socket.

Figure 5



Step 4: Install the MATCHING external power supply shown as Figure 6 below.

The external power supply is sized to match the luminaire and to be installed near the middle of the luminaire by 3M tape and screws provided.

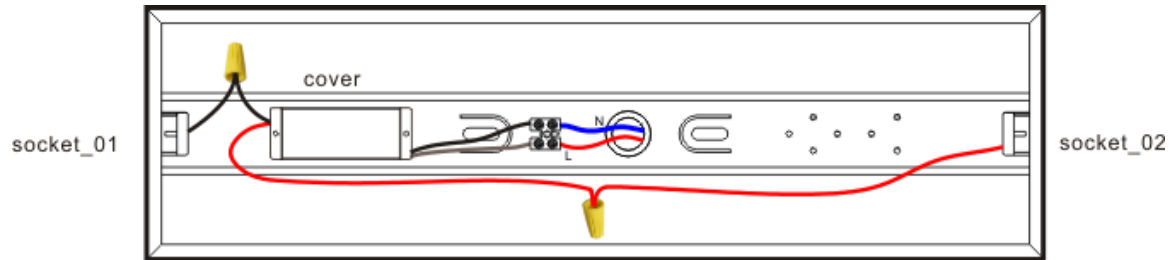
Connect input wires of external power supply to main power outlet.

Connect output wires of external power supply to one of wires of T8 sockets at both sides with wire nuts.

Place the existing cover back to protect the external power supply.

After

Figure 6



Step 5: Drop LED lamp into fluorescent Luminaire. Switch main power on to light up LED lamp.

T8 LED Tube Specifications

Input Voltage: Max.36VDC (Input Voltage of External Power Supply: 100-277VAC)

Color: White

LED Qty: 40LEDs, 80LEDs, 100LEDs

Power Consumption: 9W \pm 2W, 17W \pm 2W, 21W \pm 2W

Beam Angle: 120 degree

Length: 600mm, 1200mm, 1500mm

Work Environment: Indoor use, dry environments