



# ATG Electronics® iBright™ E68i T8 LED Tube (G6 EPS) USER GUIDE

**Part Number**

- HFL-8130N-060606-00
- HFL-8260N-120606-00
- HFL-8320N-150606-00

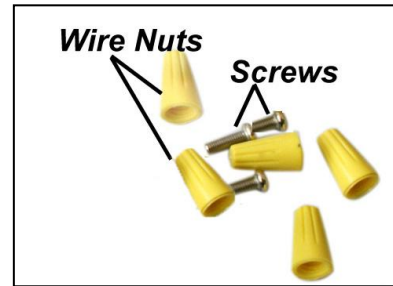


**NOTE:**

Please read this entire manual to fully understand and safely use this product.  
Specifications are subject to change without notice. Please visit [www.atgelectronics.com](http://www.atgelectronics.com) for the most recent user guide versions.

**Included in this Box**

- ATG Electronics® iBright™ E68i T8 LED Tube (G6 EPS), 1 PCs
- User Guide, 1 Set
- Accessory Kit, 1 Set, including:
  - External Power Supply, 1 PCs
  - Wire Nuts, 5 PCs
  - Screws, 3 PCs



**PLANNING THE INSTALLATION**

iBright™ E68i LED Tubes ONLY work with specific matching external power supplies. Power supplies that do not match specifications will cause the iBright™ E68i to burn out. Shown below, in Table 1 are external power supplies compatible with the iBright™ E68i.

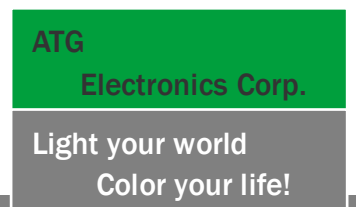
**Table 1: iBright™ E68i and Compatible External Power Supplies**

iBright™ E68i	Matching External Power Supply
HFL-8130N-060606-00 (130LEDs, 0.6m)	LD12W-36-C0220
HFL-8260N-120606-00 (260LEDs, 1.2 m)	LD20W-36-C0450
HFL-8320N-150606-00 (320LEDs, 1.5m)	LD20W-36-C0550

**Installation Steps**

The iBright™ E68i works ONLY with specific matching external power supplies, which can be found in the package.

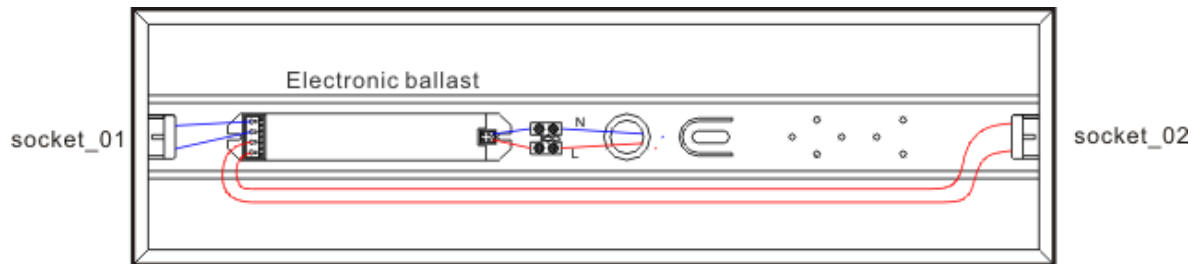
For retrofit or new installation, existing ballast should be replaced with the matching external power supply, existing starter should be removed, and the circuit should be reconfigured.



## ● 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.

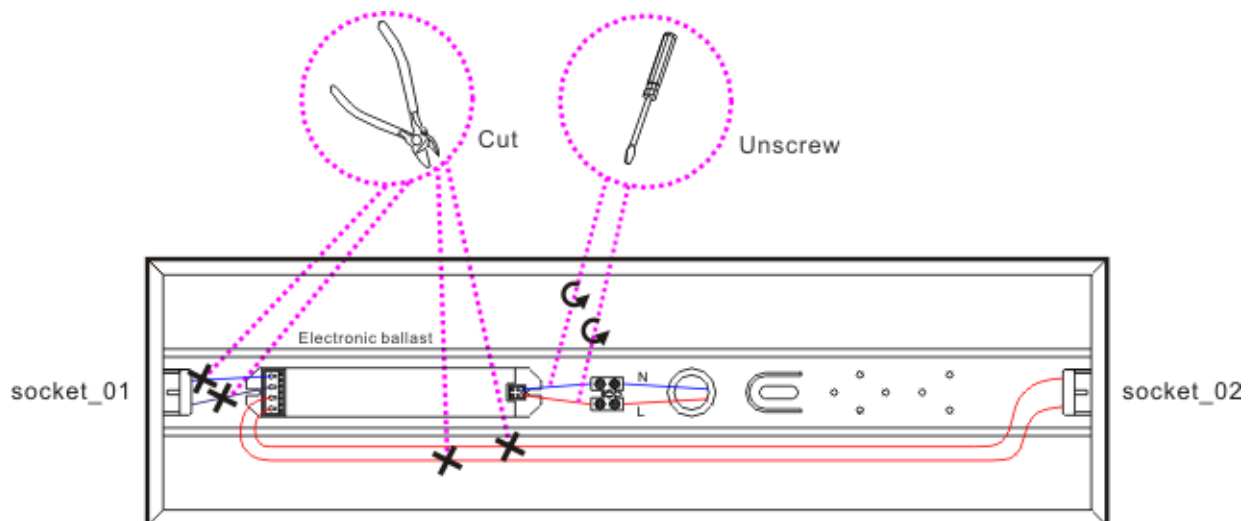
Step 2: Remove existing fluorescent light.

The existing fluorescent light is not needed and should be recycled as appropriate.

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

Keep one wire from each socket to connect to the external power supply. The other wire should be cut off at the socket.

Figure 2



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

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

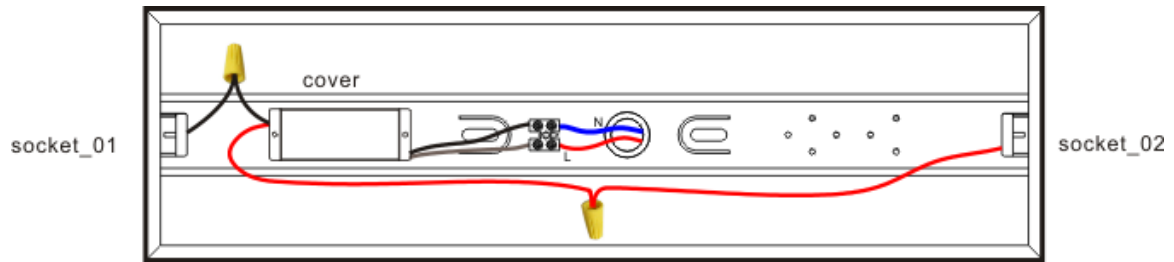
Connect the input wires of the external power supply to the main power outlet.

Using wire nuts, connect the output wires of the external power supply to one wire at both of the T8 sockets.

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

After

Figure 3

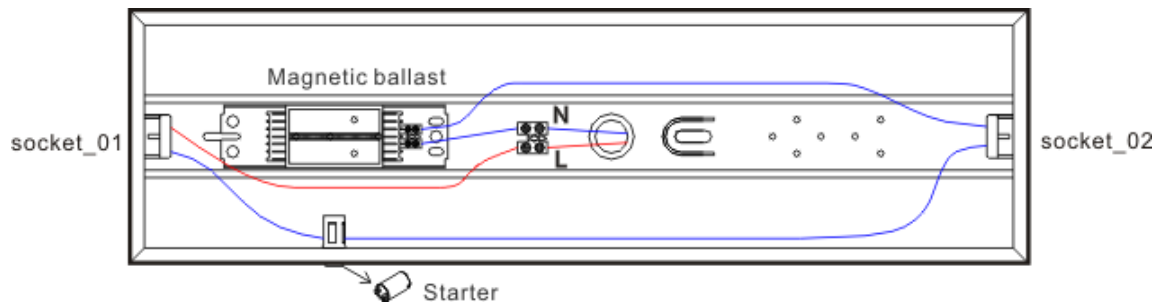


Step 5: Drop the iBright™ E68i into the fluorescent luminaire. Switch main power on to light up the iBright™ E68i (G6 EPS).

## ● Retrofit Luminaire with Magnetic Ballast

Before

Figure 4



### Installation Steps

Step 1: Turn off main power before installation

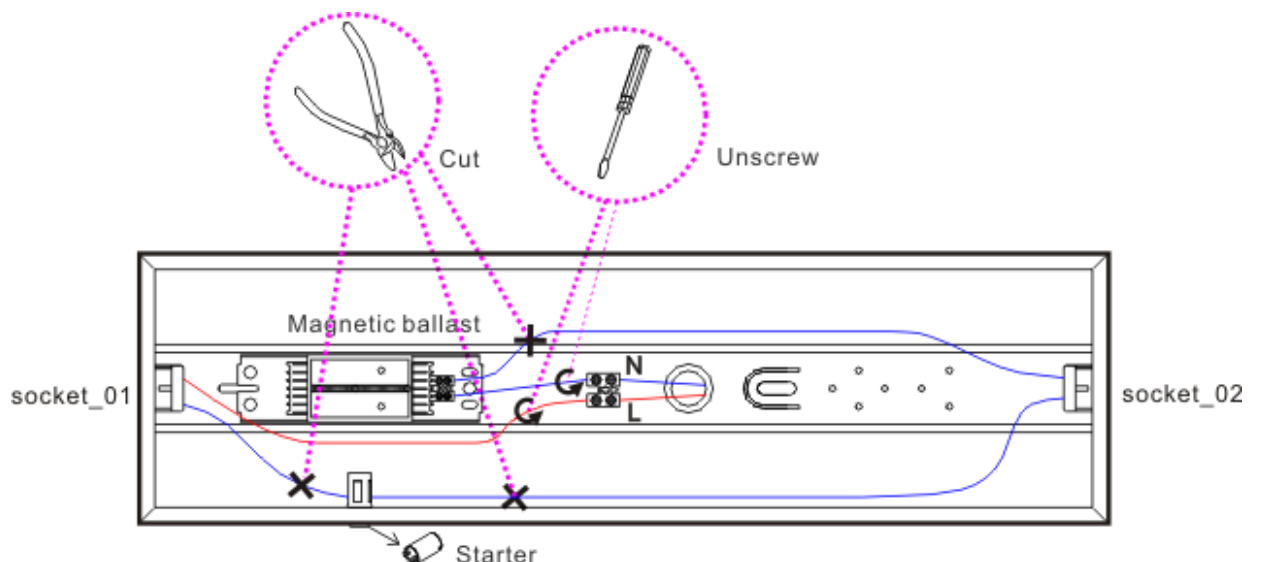
For safety, make sure the main power source is switched off before attempting to install.

Step 2: Remove existing fluorescent light.

The existing fluorescent light is not needed and should be recycled as appropriate.

Step 3: Open the ballast cover, disconnect all wires from the ballast, and disconnect the starter from the T8 sockets as shown in Figure 5 below. Remove the ballast from the fluorescent luminaire and recycle it as appropriate. Keep the starter in position. Keep one wire from each socket to connect to the external power supply. The other wire should be cut off at the socket.

Figure 5



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

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

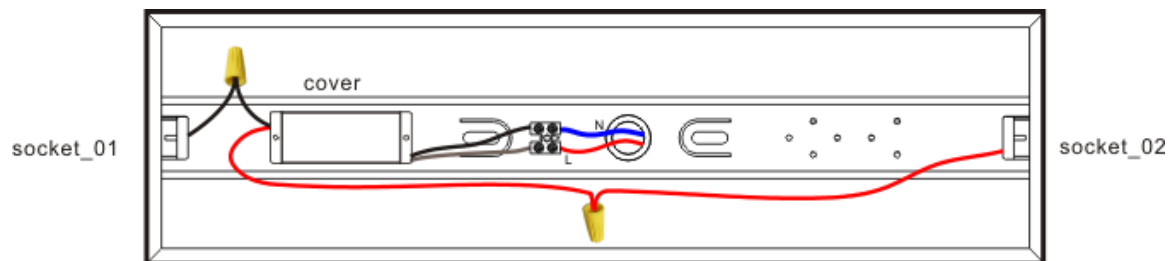
Connect the input wires of the external power supply to the main power outlet.

Using wire nuts, connect the output wires of the external power supply to one of wire at both T8 sockets.

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

After

Figure 6



Step 5: Drop the iBright™ E68i T8 into the fluorescent luminaire. Switch main power on to light up iBright™ E68i (G6 EPS).

#### ATG Electronics® iBright™ E68i T8 LED Tube Specifications

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

Color: White

LED Qty: 130LEDs, 260LEDs, 320LEDs

Power Consumption: 8W ±2W, 17W ±2W, 20W ±2W

Beam Angle: 120 degree

Length: 600mm, 1200mm, 1500mm

Work Environment: Indoor use, dry environments

\* For detailed specifications please refer to the product catalog of the iBright™ E68i T8 LED Tube.

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