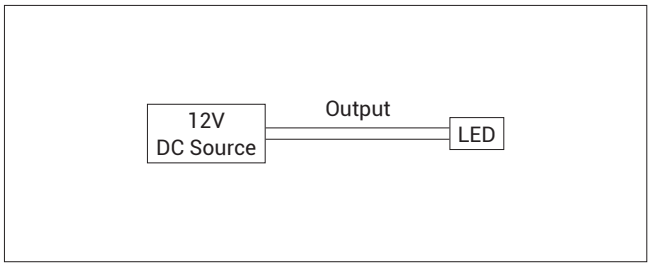
Instruction Manual

CAUTIONS

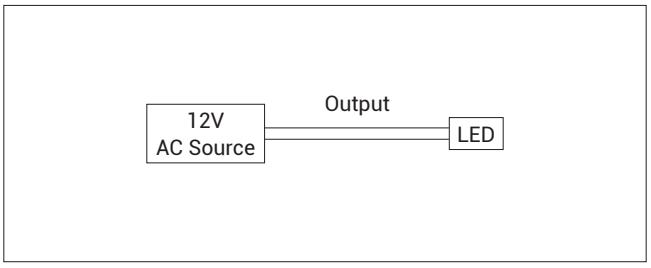
- Read the entire manual carefully before installation and operation.
- It is recommended that the installation be performed by a licensed and qualified electrician.
- Switch off the power source before installation or replacement.
- Before lamp replacement, turn off and allow the lamp to cool down. Heat-resistant gloves are mandatory when handling the lamp.
- Do not touch the LED chip, which may result in lamp damage or malfunction.
- To ensure optimum operations, it is recommended that the length of connection wires between the 12V LED lamp(s) and the Halogen Electronic Transformer output to be limited to less than 0.5m.
- This LED lamp is compatible with 12V DC, 12V AC 50/60Hz and 12V halogen electronic transformers for non-dimming operation.
- This LED lamp is generally compatible with 12V dimmable halogen electronic transformers for dimming operation. Dimming effect varies with the combination of different dimmers and dimmable halogen electronic transformers. Please visit www.megaman.cc/user-guide for compatible dimmer and halogen transformer lists. Due to possible variations in country dimmer and halogen transformer module specifications, please contact your local distributor for a list of compatible dimmers and halogen transformers before installation.
- Multiple MEGAMAN® LED lamps in AC/DC 12V can be connected to a single halogen electronic transformer. Please refer to the connection diagrams below.
- The dimmable LED lamp should be operated within its optimal dimming range:
  Optimal maximum brightness level: 100% brightness
  Optimal minimum brightness level: 10% brightness
  (Note: The dimming performance of the optimal minimum brightness (10% brightness) depends on the performance of the dimmer.)
- Certain dimmer switches may cause the dimmable LED lamp to flicker when it is illuminated below the "optimal minimum brightness level". The knob on the dimmer switch can be adjusted to prevent flickering. (Note: Certain dimmer switches are equipped with a potentiometer. The potentiometer is a small device to fine-tune the resistance of the dimmer switch to obtain the desired minimum light output of the lamp without flickering. Please refer to steps 4 to 7 of "INSTALLATION" for details.)
- Where there is a discrepancy in the weight of the lamp to be replaced, it is recommended that a check be made of the maximum loading of the luminaire before installation to avoid any unstable mechanical function being caused to the luminaire.
- The manufacturer accepts no liability for any damage resulting from the misuse of the lamp or from when it is used with inappropriate equipment.
- Consult the local distributor if there are any questions about this product.

Connection Diagrams

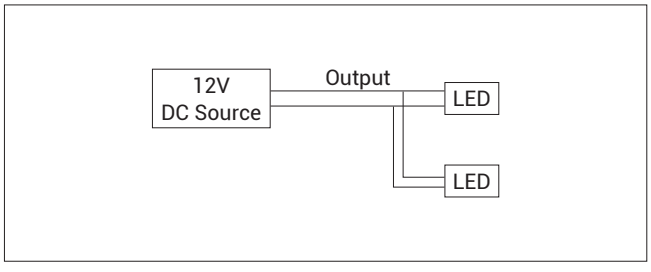
12VDC Single Lamp Connection



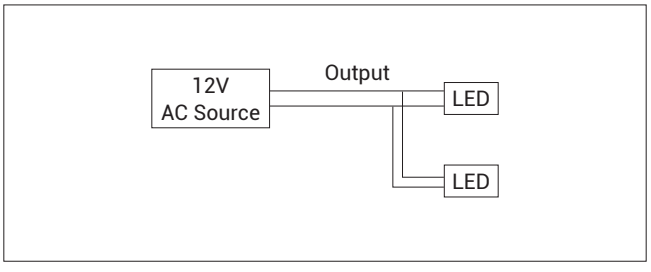
12VAC Single Lamp Connection



12VDC Multiple Lamps Connection

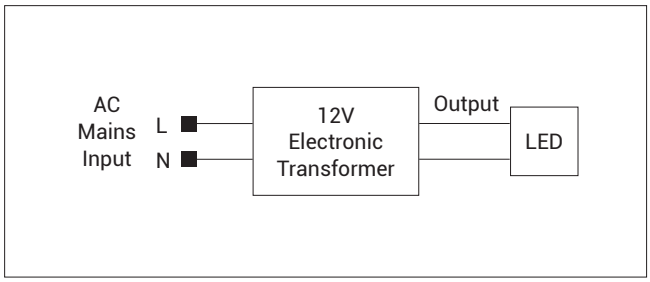


12VAC Multiple Lamps Connection

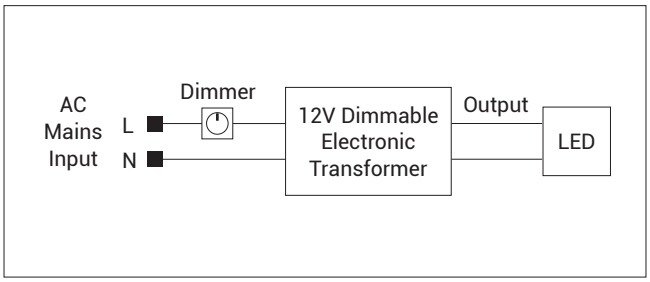


Connection Diagrams

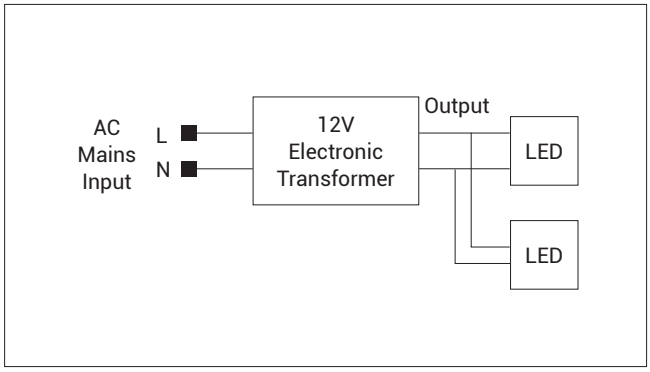
12V Electronic Transformer Single Lamp Connection



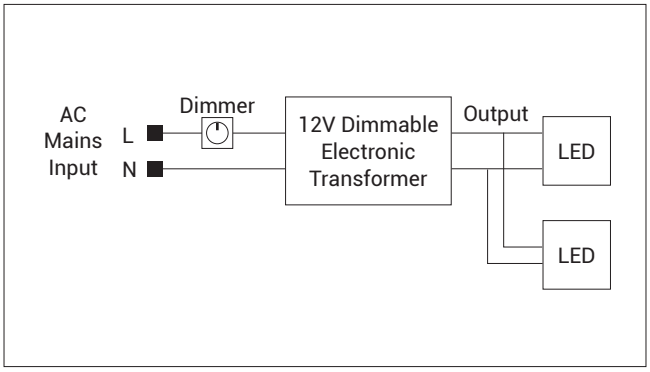
12V Dimmable Electronic Transformer Single Lamp Connection



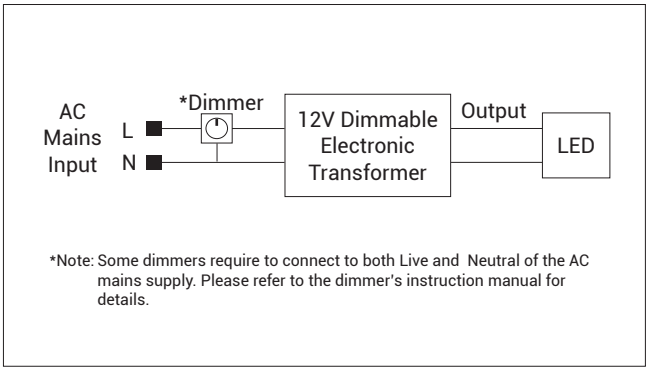
12V Electronic Transformer Multiple Lamp Connection



12V Dimmable Electronic Transformer Multiple Lamp Connection

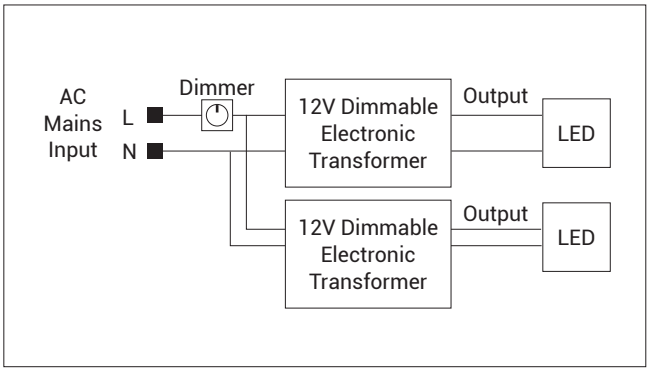


12V Dimmable Electronic Transformer Sigle Lamp Connection



*Note: Some dimmers require to connect to both Live and Neutral of the AC mains supply. Please refer to the dimmer's instruction manual for details.

Single Dimmer and Multiple 12V Dimmable Electronic Transformer Single Lamp Connection



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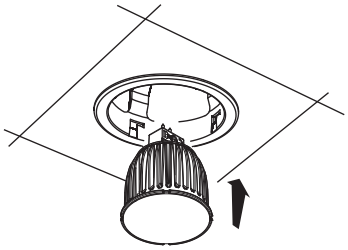
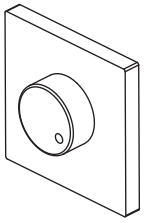
Installation

Install the LED lamp in the lamp holder.



Step 1

Switch the lamp ON and turn the knob until the full brightness level is reached.

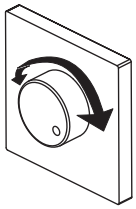


Note: This step is required to ensure that the installation is correct.

Step 2

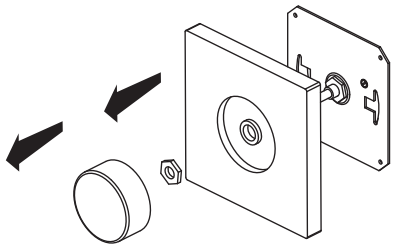
Turn the knob to check:
a) if the minimum brightness level fits requirements; and
b) if the lamp flickers during the dimming process

The installation is complete if the minimum brightness level requirement is satisfied and the lamp does not flicker during the dimming process.
If these two points are not met, please refer to steps 4 to 7.



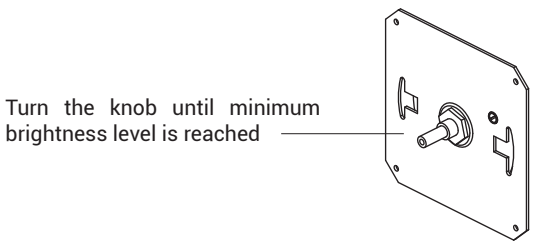
Step 3

Switch the lamp OFF and remove the cover of the dimmer switch; on some dimmer switches, the potentiometer may be visible.



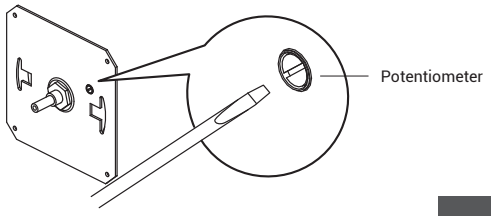
Step 4

Switch the lamp ON again and turn the knob until the full brightness level is reached. Then turn the knob in the reverse direction until the lamp reaches the minimum brightness level. At this point, the lamp may flicker or switch OFF.



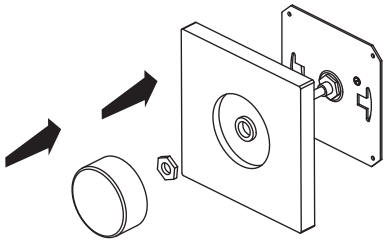
Step 5

Slowly adjust the potentiometer with a screwdriver until the lamp illuminates, and then turn the potentiometer in the reverse direction until it reaches the desired minimum brightness level without flickering.



Step 6

After adjustment, place the cover back on the dimmer switch. The installation is complete.



Step 7

Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.
To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

CE GB

Neonlite Electronic & Lighting (HK) Ltd.
31/F, Two Landmark East, 100 How Ming Street,
Kwun Tong, Kowloon, Hong Kong.