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› GTAREN 150W LED Corn Cob Light Bulb User Manual

## GTAREN GTAREN-QPW-150W2PCK

# GTAREN 150W LED Corn Cob Light Bulb User Manual

Model: GTAREN-QPW-150W2PCK

## INTRODUCTION

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This manual provides essential information for the safe and efficient use of your GTAREN 150W LED Corn Cob Light Bulb. Please read it thoroughly before installation and operation to ensure proper functionality and longevity of the product.

## SAFETY INFORMATION

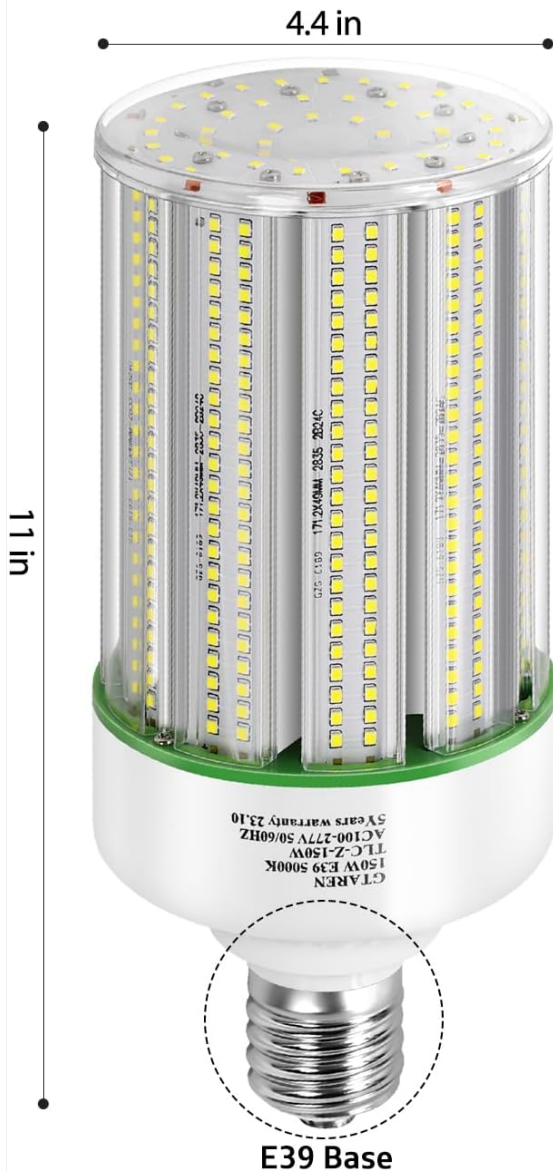
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- **Power Disconnection:** Always turn off the power supply to the fixture at the circuit breaker before attempting any installation, removal, or maintenance.
- **Voltage Compatibility:** This product is designed for AC110-277V. Ensure your power supply matches this requirement.
- **Ballast Bypass:** This LED bulb has a built-in intelligent drive power supply. It is crucial to remove or bypass any existing ballast, capacitor, or ignitor from the fixture before installing this LED bulb. Failure to do so will damage the bulb and void the warranty.
- **Fixture Fit:** Verify the bulb's dimensions (approximately 4.4 inches width x 11 inches height) fit your fixture before purchase and installation.
- **Non-Dimmable:** Do not use this product with dimmer switches. This bulb is not dimmable.
- **Eye Protection:** Avoid direct, prolonged eye exposure to the light when illuminated.
- **Grounding:** Ensure proper grounding of the fixture if required by local electrical codes.
- **Handling:** Handle the bulb with care to prevent damage to its electronic components.



## CAUTION:

Please check if the size of lamp fit for your fixture before purchase



E39 Base

1. High brightness
2. Low attenuation
3. RA>82
4. Long life: more than 50000 hours



1. Input voltage: AC 85-305V
2. Power protection function (Overload, overvoltage, over current, over temperature, short circuit, open circuit, no-load)
3. High power factor, high efficiency, no flicker
4. Intelligent temperature control reduced power protection
5. Power supply with long life Ruby capacitor



### Strong Non-combustible Base

Made from Flame Retardant, Engineered Polymer. Resistant to Solvents and Heat up to 302 °F



Great cooling structure  
6063 aviation Aluminium  
Bear low/ temp-40 to 60  
Ok for totally enclosed fixture



Image description: A warning label stating "CAUTION: Please check if the size of lamp fit for your fixture before purchase" next to an image of the LED corn cob bulb with indicated dimensions of 4.4 inches width and 11 inches height. This image also highlights key features like high brightness, low attenuation, RA>82, and long life.

## PRODUCT FEATURES

- **High Brightness:** This 150W LED corn cob light produces up to 21000 Lumens, serving as an effective replacement for 600W Metal Halide (MH), High-Pressure Sodium (HPS), High-Intensity Discharge (HID), or Compact Fluorescent Lamp (CFL) bulbs.
- **Energy Saving and Long Lifespan:** Offers significantly lower power consumption compared to traditional bulbs, with a lifespan 3-4 times longer than traditional MH/HPS/CFL lamps, reducing the need for frequent replacements.
- **Instant On:** Features an excellent heat dissipation system, including a micro fan and aviation aluminum construction. Provides 360° illumination without flicker.
- **Wide Application:** Suitable for AC110-277V indoor and outdoor lighting in various settings such as streets, storage rooms, supermarkets, garages, warehouses, barns, parking lots, high bay fixtures, patios, gardens, shops, and wall pack lights.

- **E39/E40 Mogul Base:** Designed for E39/E40 large mogul base fixtures. An E26 adapter is included for broader compatibility.



Image description: Two GTAREN 150W LED Corn Cob Light Bulbs, each with an E39 base and an included E26 adapter, showcasing the product's design and packaging.

## SPECIFICATIONS

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Property	Value
Brand	GTAREN
Model Name	GTAREN-QPW-150W2PCK
Light Type	LED
Wattage	150 Watts
Brightness	21000 Lumens
Color Temperature	5000 Kelvin (Daylight White)
Bulb Base	E39 (Mogul Base), E26 adapter included
Operating Voltage	AC110-277V
Incandescent Equivalent	Equivalent to 600W Metal Halide/HPS/HID
Bulb Shape Size	BT56 (Tubular)
Product Dimensions	4.4 inches (W) x 11 inches (H)
Material	Aluminum, Plastic
Average Life	30,000 Hours
CRI (Color Rendering Index)	85
Indoor/Outdoor Usage	Indoor, Outdoor
Special Features	Energy Efficient, Flicker-Free, Instant On, Long Lasting

# APPLICATION SCENARIOS



Image description: A diagram illustrating various application scenarios for the LED corn cob light, including garage, warehouse, workshop, gym, church, street, barn, yard, indoor, and driveway lighting, along with compatible fixture types like wall pack, acorn, canopy, and post top.

## INSTALLATION INSTRUCTIONS

This LED corn cob bulb is designed to replace traditional Metal Halide (MH), High-Pressure Sodium (HPS), High-Intensity Discharge (HID), and Compact Fluorescent Lamp (CFL) bulbs. It is crucial to bypass or remove the existing ballast, capacitor, and ignitor before installation.

### Replacing HID/HPS/MHL Lamps

- Step 1: Turn off power.** Before beginning any installation, ensure the power supply to the fixture is completely turned off at the circuit breaker. Remove the old ballast, capacitor, and ignitor from the fixture.
- Step 2: Connect AC wires.** Make sure the alternating current (AC) wires connect directly to the E26 or

E39 socket. The LED lamp input voltage is AC 100-277V. Reattach or replace the ground lead if one is needed.

3. **Step 3: Screw in the LED lamp.** Screw the LED corn cob bulb onto the corresponding socket (E39 or E26 with adapter).

## Replacing CFL Lamps

1. **Step 1: Turn off power.** Ensure power to the fixture is off at the circuit breaker.
2. **Step 2: Connect AC wires.** Connect the AC wires directly to the socket, bypassing any existing CFL ballast.
3. **Step 3: Screw in the LED lamp.** Screw the LED corn cob bulb into the socket.

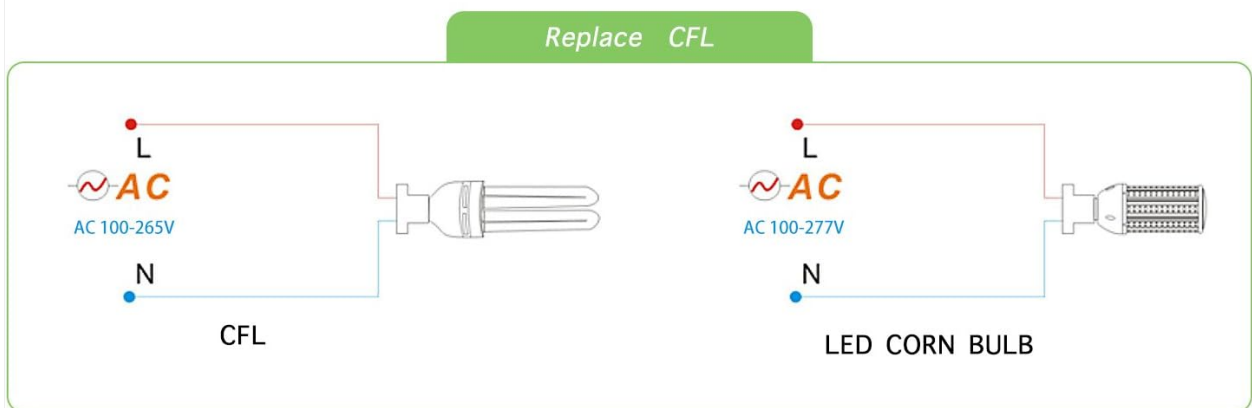
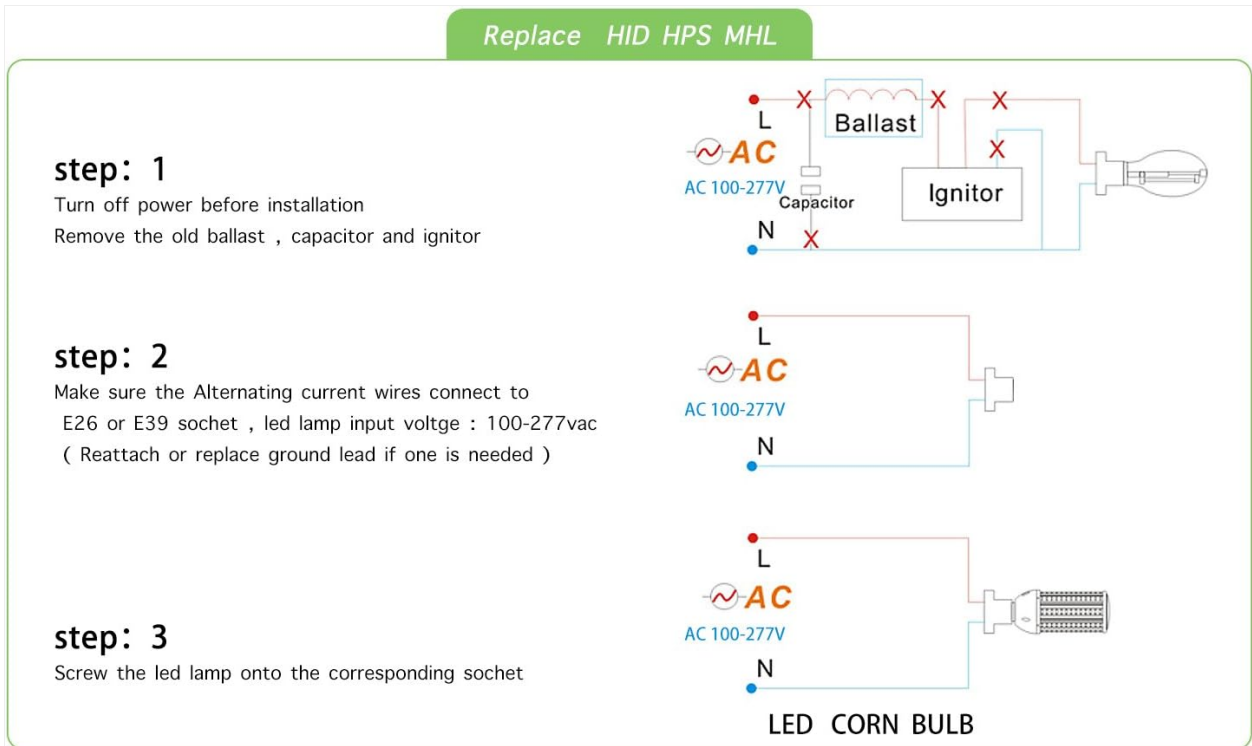


Image description: A detailed wiring diagram showing how to bypass the ballast, capacitor, and ignitor when replacing HID/HPS/MHL lamps with the LED corn cob bulb. It also illustrates the simpler wiring for replacing CFL bulbs by connecting AC wires directly to the socket.

**Important Note:** The corn lamp has a built-in intelligent drive power supply and does not require an external ballast. Failure to remove or bypass the existing ballast will damage the bulb and void the warranty. Always ensure the installation size (4.4"W x 11"H) fits your fixture.

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Once properly installed and powered, the GTAREN 150W LED Corn Cob Light Bulb will provide instant, bright, 5000K daylight illumination.

- **Power On/Off:** Control the light using the standard wall switch connected to the fixture.
- **Operating Voltage:** The bulb operates within the specified AC110-277V range.
- **Non-Dimmable:** This bulb is not compatible with dimmer switches. Using it with a dimmer may cause damage or malfunction.

## MAINTENANCE

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- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry cloth to wipe the bulb. Do not use liquid cleaners or abrasive materials, as these may damage the bulb's surface or internal components.
- **Inspection:** Periodically inspect the bulb and fixture for any signs of damage, such as cracks, loose connections, or discoloration. Address any issues promptly.
- **Heat Dissipation:** The bulb features an aviation aluminum body and a micro fan for efficient heat dissipation. Ensure the fixture allows for adequate airflow around the bulb to prevent overheating and ensure optimal performance and lifespan.

## TROUBLESHOOTING

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- **Light Does Not Turn On:**
  - Check if the power supply to the fixture is active at the circuit breaker.
  - Verify the bulb is securely screwed into the socket.
  - Confirm that any old ballast, capacitor, or ignitor has been completely removed or bypassed.
  - Ensure the operating voltage is within the AC110-277V range.
- **Flickering Light:**
  - Ensure the bulb is not connected to a dimmer switch. This bulb is not dimmable.
  - Check for a stable power supply without voltage fluctuations.
  - Verify proper wiring and connections within the fixture.
- **Radio Interference:**
  - LED lights can sometimes cause minor radio frequency interference. If experiencing issues, try relocating radio antennas or increasing the distance between the radio and the light fixture.
- **Loud Fan Noise:**
  - The bulb includes a micro fan for cooling, and a slight fan noise is normal during operation. If the noise becomes excessively loud, unusual, or disruptive, contact customer support for assistance.

## WARRANTY AND SUPPORT

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GTAREN offers a **5-year quality service warranty** for this product, ensuring your satisfaction and peace of mind.

If you encounter any quality problems, require technical assistance, or have questions regarding your GTAREN 150W LED Corn Cob Light Bulb, please contact GTAREN customer support. When contacting support, please provide your purchase details and a clear description of the issue for prompt and efficient service.

**Contact Information:** Refer to your purchase documentation or the official GTAREN website for the most current customer support contact details.

## DISPOSAL

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This product contains electronic components and should not be disposed of with general household waste. To protect the environment, please follow local regulations for the recycling of electronic waste. Contact your local authorities or recycling center for information on proper disposal methods.