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› CA New Sunshine 80W LED Corn Light Bulb User Manual (Model WLC80W)

CA New Sunshine WLC80W

CA New Sunshine 80W LED Corn Light Bulb User Manual

Model: WLC80W

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your CA New Sunshine 80W LED Corn Light Bulb. Please read these instructions thoroughly before use and retain them for future reference. This LED corn bulb is designed for various large area lighting applications, offering high efficiency and bright illumination.

2. PRODUCT OVERVIEW

Key Features

- **Super Bright:** 80 Watts, 5000K Daylight white, producing up to 12000 Lumens at 150lm/watt.
- **Wide Beam Angle:** 360 degrees of bright lighting with no dead corners.
- **Easy Installation:** Suitable for E26 standard base and includes an E39 mogul base adapter. Requires ballast bypass.
- **Energy-Saving:** Operates on AC100-277Vac, offering up to 90% energy savings compared to traditional 400W Metal Halide or 800W incandescent bulbs.
- **Durable Design:** Features a plastic cover to protect LED lamp beads, high-quality aluminum materials, and circuitry for extended service life (up to 50,000 hours).
- **Weather Resistant:** IP64 Wet location-rated, waterproof and dustproof.
- **Instant On:** No warm-up time, no buzz, no flicker.

What's in the Box

- 2 x CA New Sunshine 80W LED Corn Light Bulbs
- 2 x E39 Adapter (pre-installed on E26 base bulbs)

Product Visuals and Applications

80W

LED Light bulb

3.94 (10cm)

7.56in (19.2cm)



-  **Lumen: 12000 Lumens**
-  **Lifetimes: 50000 Hours**
-  **Beam Angle: 360° Degree**
-  **Working Voltage: AC100-277 Vac**
-  **Color Temperature: 5000 K
Cool White Light**



Figure 1: Product Dimensions and Key Specifications. This image illustrates the physical dimensions of the 80W LED Corn Light Bulb, measuring 3.94 inches (10cm) in width and 7.56 inches (19.2cm) in height. It also highlights key specifications such as 12000 Lumens, 50000 hours lifetime, 360-degree beam angle, AC100-277V working voltage, and 5000K Cool White Light color temperature.

High Quality

Aluminium material, Excellent heat dissipation provide as least 50,000 hours life time



Bright LED Chips

2835 SMDS, High brightness, low power consumption

Transparent Cover

99% light transmittance
IP64 Waterproof and dustproof

E26 Standard Base With E39 Mogul Base Adapter

Easy installation, suitable for most E26/E27 and E39/E40 bases

Figure 2: Internal Components and Features. This image details the internal components and features of the LED Corn Light Bulb, including high-quality aluminum material for heat dissipation, bright 2835 SMDS LED chips for high brightness and low power consumption, a transparent cover with 99% light transmittance for IP64 waterproof and dustproof protection, and the E26 standard base with an E39 mogul base adapter for easy installation.

100W LED CORN LIGHT BULBS

Suitable for Many Large Lighting Places

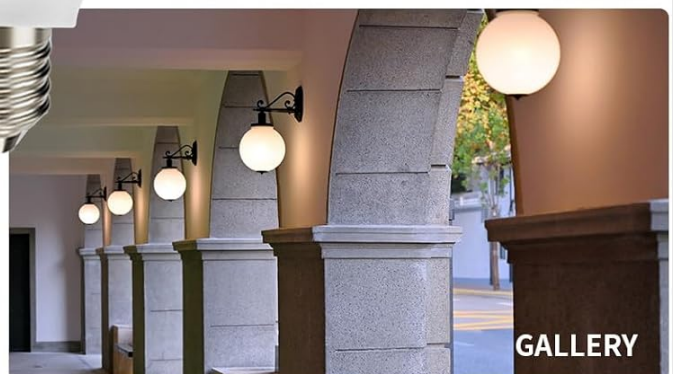
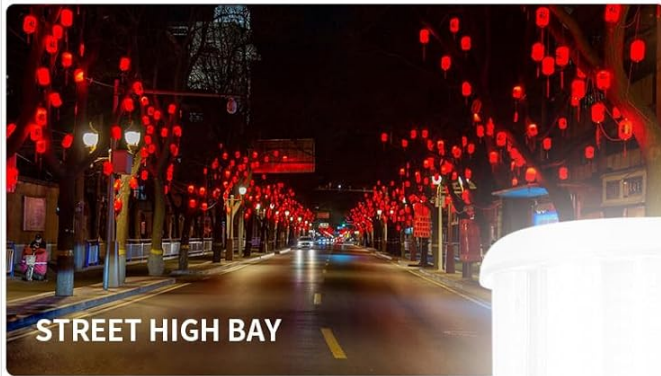


Figure 3: Wide Range of Applications. This image showcases the wide range of applications for the LED Corn Light Bulb, including street high bay lighting, factory warehouses, supermarkets, exhibition halls, fitness places, and galleries, demonstrating its versatility for large area indoor and outdoor lighting.

SUPER BRIGHT

80W LED CORN LIGHT BULBS



Figure 4: Brightness and Efficiency Comparison. This image compares the 80W LED Corn Light Bulb to other light bulbs, highlighting its 'Super Bright' performance. It shows that the 80W bulb is equivalent to 800W incandescent, offers 150lm/w lumen efficacy, 12000 lumens brightness, and a lifespan of over 5 years, significantly outperforming a 400W equivalent bulb with 120lm/w, 6000 lumens, and less than 1 year lifespan.

Product Video

Your browser does not support the video tag.

Video 1: 80W LED Corn Light Bulb Overview. This video demonstrates the unboxing and features of the CA New Sunshine 80W LED Corn Light Bulb, showcasing its design, components, and suitability for various applications like post-top and high-bay lighting. It also highlights the included E26 to E39 adapter.

3. SAFETY INFORMATION

WARNING: To reduce the risk of fire, electric shock, or injury, always follow these safety precautions:

- Always turn off the power to the fixture at the circuit breaker before installing or removing the bulb.
- This LED bulb requires the removal or bypass of any existing ballast in the fixture. Do not connect the bulb to a ballast; wire it directly to the AC power supply.

- Ensure the input voltage of the fixture matches the bulb's operating voltage (AC100V-277V).
- Suitable for use in damp locations, but do not use with dimmers.
- Confirm the installation size of your fixture to ensure proper fit and ventilation, especially in enclosed luminaires.
- Do not disassemble or modify the bulb.
- Avoid direct eye exposure to the light source when illuminated.

4. SETUP AND INSTALLATION

1. **Power Off:** Before beginning installation, ensure the power supply to the fixture is completely turned off at the circuit breaker.
2. **Remove Old Bulb:** Carefully remove the existing bulb from the fixture.
3. **Bypass Ballast:** If your fixture contains a ballast, it must be removed or bypassed. This LED corn light bulb is designed to be wired directly to the AC power supply (AC100-277V). Consult a qualified electrician if you are unsure about this step.
4. **Check Socket:** The bulb comes with an E26 standard base and an E39 mogul base adapter. Determine which base is appropriate for your fixture. If your fixture requires an E39 base, ensure the adapter is securely attached to the E26 base of the bulb.
5. **Install New Bulb:** Screw the LED corn light bulb firmly into the appropriate socket (E26 or E39 with adapter).
6. **Restore Power:** Once the bulb is securely installed and the ballast is bypassed (if applicable), restore power at the circuit breaker.
7. **Test:** Turn on the light switch to confirm proper operation.

Note: The lamp size is 3.94 x 7.56 inches. Please confirm the installation size to ensure it fits your luminaire, especially for enclosed fixtures, to allow for adequate heat dissipation.

5. OPERATING INSTRUCTIONS

The CA New Sunshine 80W LED Corn Light Bulb operates like a standard light bulb once installed correctly. Simply use the wall switch or fixture control to turn the light on or off. The bulb provides instant, full brightness without any warm-up period, buzzing, or flickering.

6. MAINTENANCE

- **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.
- **Inspection:** Periodically inspect the bulb and fixture for any signs of damage or loose connections.
- **Environment:** The IP64 rating makes this bulb suitable for damp locations. However, avoid direct exposure to high-pressure water jets or prolonged submersion.
- No user-serviceable parts inside. Do not attempt to open the bulb.

7. TROUBLESHOOTING

- **Light Does Not Turn On:**
 - Check if the power supply to the fixture is on.
 - Ensure the bulb is screwed in securely.
 - Verify that the ballast has been properly bypassed and the bulb is wired directly to the AC power.

- Confirm the input voltage matches the bulb's requirements (AC100-277V).

- **Light Flickers:**

- Ensure the bulb is not connected to a dimmer switch, as it is not compatible.
- Check for loose wiring connections.

- **Reduced Brightness:**

- Ensure the bulb is clean and free from dust or debris.
- Verify that the bulb is receiving the correct voltage.

If you experience persistent issues, please contact customer support.

8. SPECIFICATIONS

Specification	Value
Brand	CA New Sunshine
Model Name	Led Corn Light Bulb 80W (WLC80W)
Light Type	LED
Wattage	80 Watts
Incandescent Equivalent	800 Watts
Brightness	12000 Lumens
Lumen Efficacy	150 lm/w
Color Temperature	5000 Kelvin (Daylight White)
Color Rendering Index (CRI)	>80
Socket	E26 / E39 (with adapter)
Input Voltage	AC100-277V
Beam Angle	360 Degrees
Waterproof Rating	IP64
Average Life	50,000 Hours
Material	Aluminum, Plastic
Product Dimensions	3.94"W x 7.56"H
Indoor/Outdoor Usage	Indoor, Outdoor
Special Features	Energy Efficient, Eye-Friendly, High Efficiency, Long Lasting

9. WARRANTY AND SUPPORT

CA New Sunshine provides a **five-year warranty** for this LED Corn Light Bulb. If you encounter any quality problems or require assistance, please contact our seller support team. We are committed to ensuring your satisfaction with our

products.

For support, please refer to the contact information provided with your purchase or visit the official CA New Sunshine website.

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Question

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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