

Genérico BDEYOBDEO-8EAF5A0E

Genérico LED COB Flip Chip High Power Bulbs Instruction Manual

Model: BDEYOBDEO-8EAF5A0E

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Genérico LED COB Flip Chip High Power Bulbs. Please read these instructions carefully before installation and operation. Keep this manual for future reference.

2. SAFETY INFORMATION

WARNING: Electrical Shock Hazard

- Always disconnect power before installing, servicing, or cleaning the LED chips.
- Installation should be performed by a qualified electrician or technician.
- Do not handle the LED chips with wet hands.
- Ensure proper heat dissipation. Overheating can damage the LED and pose a fire risk.
- Do not look directly into the illuminated LED. High intensity light can cause eye damage.
- Verify correct voltage and current ratings before connecting.

3. PRODUCT OVERVIEW

The Genérico LED COB Flip Chip High Power Bulbs are advanced lighting components designed for various applications requiring high luminous output. These chips feature COB (Chip-on-Board) technology with flip-chip design for enhanced efficiency and thermal performance.

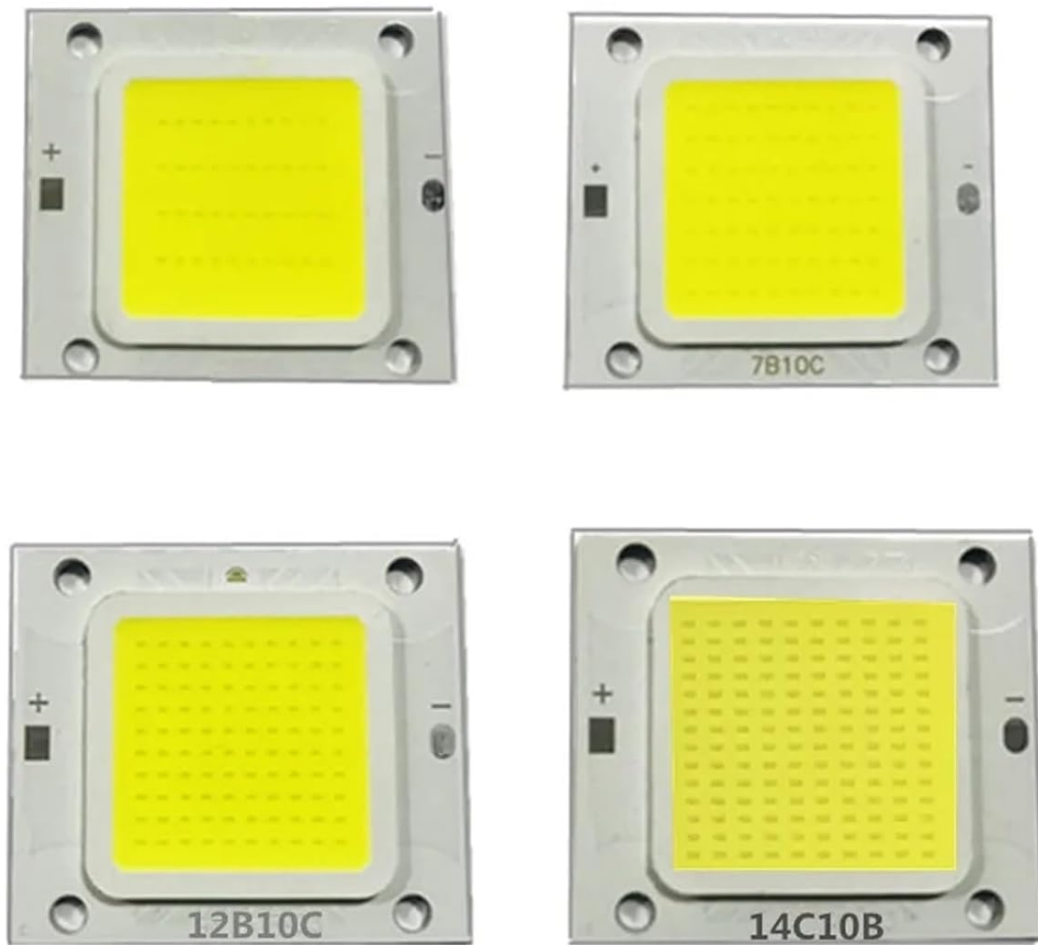


Figure 1: Example of a Genérico LED COB Flip Chip High Power Bulb. This image shows a single LED COB chip, typically square or rectangular, with multiple small LED emitters densely packed on a substrate, designed for high brightness and efficient heat transfer.

Key features include:

- **Wattage Options:** Available in 10W, 20W, 30W, 50W, and 70W.
- **Forward Voltage:** Typically 30-34V (specifics vary by model).
- **Color Temperature:** Cold White (6500K) and Warm White (3000K) options.
- **Chip Configuration:** Utilizes 8*30mli chips for optimal performance.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your LED COB chips. It is highly recommended that installation be performed by a professional.

1. **Power Disconnection:** Ensure all power to the circuit is disconnected at the main breaker before beginning installation.

- 2. **Heat Sink Attachment:** These high-power LED chips generate significant heat. A suitable heat sink is mandatory for proper operation and to prevent thermal damage. Apply a thin, even layer of thermal paste between the LED chip and the heat sink. Secure the LED chip firmly to the heat sink using appropriate fasteners.
- 3. **Wiring:** Connect the positive (+) and negative (-) terminals of the LED chip to a compatible LED driver or power supply. Ensure the driver's output voltage and current match the LED chip's specifications. Incorrect polarity or an incompatible power supply will damage the LED.
- 4. **Insulation:** Insulate all exposed wires and connections to prevent short circuits and electrical hazards.
- 5. **Testing:** Once installed, restore power and test the LED chip. Observe for proper illumination and ensure there are no signs of overheating.

Note: The specific wiring diagram and mounting method may vary depending on your application. Consult a professional if unsure.

5. OPERATING INSTRUCTIONS

These LED COB chips are designed for continuous operation within their specified voltage and current ranges. Once properly installed and connected to a compatible power supply, they will illuminate when power is applied.

- **Power On/Off:** Control the LED chip's operation by switching the power supply on or off.
- **Dimming (if applicable):** If using a dimmable LED driver, follow the driver's instructions for dimming control. Ensure the driver is compatible with the LED chip.
- **Environmental Conditions:** Operate the LED chips within their specified temperature and humidity ranges. Avoid exposure to excessive moisture or extreme temperatures.

6. MAINTENANCE

Genérico LED COB Flip Chip High Power Bulbs require minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Gently wipe the surface of the LED chip with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents, as these can damage the chip.
- **Inspection:** Periodically inspect the LED chip and its connections for any signs of damage, loose wiring, or excessive dust accumulation on the heat sink, which could impede cooling.
- **Heat Management:** Ensure the heat sink remains clear of obstructions to allow for efficient heat dissipation.

7. TROUBLESHOOTING

If you encounter issues with your LED COB chip, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
LED does not light up.	No power, incorrect wiring, faulty power supply/driver, damaged LED chip.	Check power connection. Verify wiring polarity (+/-). Test power supply/driver. Replace LED chip if damaged.
LED flickers or dims.	Unstable power supply, incompatible dimmer, overheating, loose connection.	Ensure stable power. Use compatible dimmer/driver. Check heat sink for proper contact and airflow. Secure connections.
LED emits very little light.	Under-powering, incorrect voltage/current, partial damage.	Verify power supply output matches LED specifications. Check for proper current delivery.

Problem	Possible Cause	Solution
LED overheats.	Insufficient heat sink, poor thermal paste application, inadequate airflow.	Ensure adequate heat sink size. Reapply thermal paste correctly. Improve ventilation around the heat sink.

If the problem persists after attempting these solutions, contact a qualified technician or the seller for assistance.

8. SPECIFICATIONS

The following specifications apply to the Genérico LED COB Flip Chip High Power Bulbs. Specific values may vary slightly by wattage and color temperature variant.

Feature	Detail
Product Type	LED COB Flip Chip High Power Bulb
Model Number	BDEYOBDEO-8EAF5A0E
Wattage Options	10W, 20W, 30W, 50W, 70W
Forward Voltage	30-34V (typical)
Color Temperature	Cold White: 6500K, Warm White: 3000K
Chip Configuration	8*30mli
Dimensions (Package)	1 x 1 x 1 cm
Weight (Package)	50 g
Origin	China

9. WARRANTY AND SUPPORT

This product is manufactured by Genérico. For specific warranty information, please refer to the terms provided at the time of purchase or contact your seller directly. Keep your purchase receipt as proof of purchase. For technical support or inquiries, please contact the seller or manufacturer through the platform where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question