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> EVTSCAN 4Pcs COB LED Chip, 6500K 60W 150-170V LED Light Source Instruction Manual

EVTSCAN B0CQYP8Z2K

EVTSCAN 4Pcs COB LED Chip Instruction Manual

Model: B0CQYP8Z2K

1. PRODUCT OVERVIEW

The EVTSCAN 4Pcs COB LED Chip set provides a high-quality, pure white light source suitable for various DIY lighting projects. Each chip features a COB (Chip-on-Board) design, ensuring uniform and soft light emission without dazzling or strobe effects. These chips are designed for durability and efficient performance.

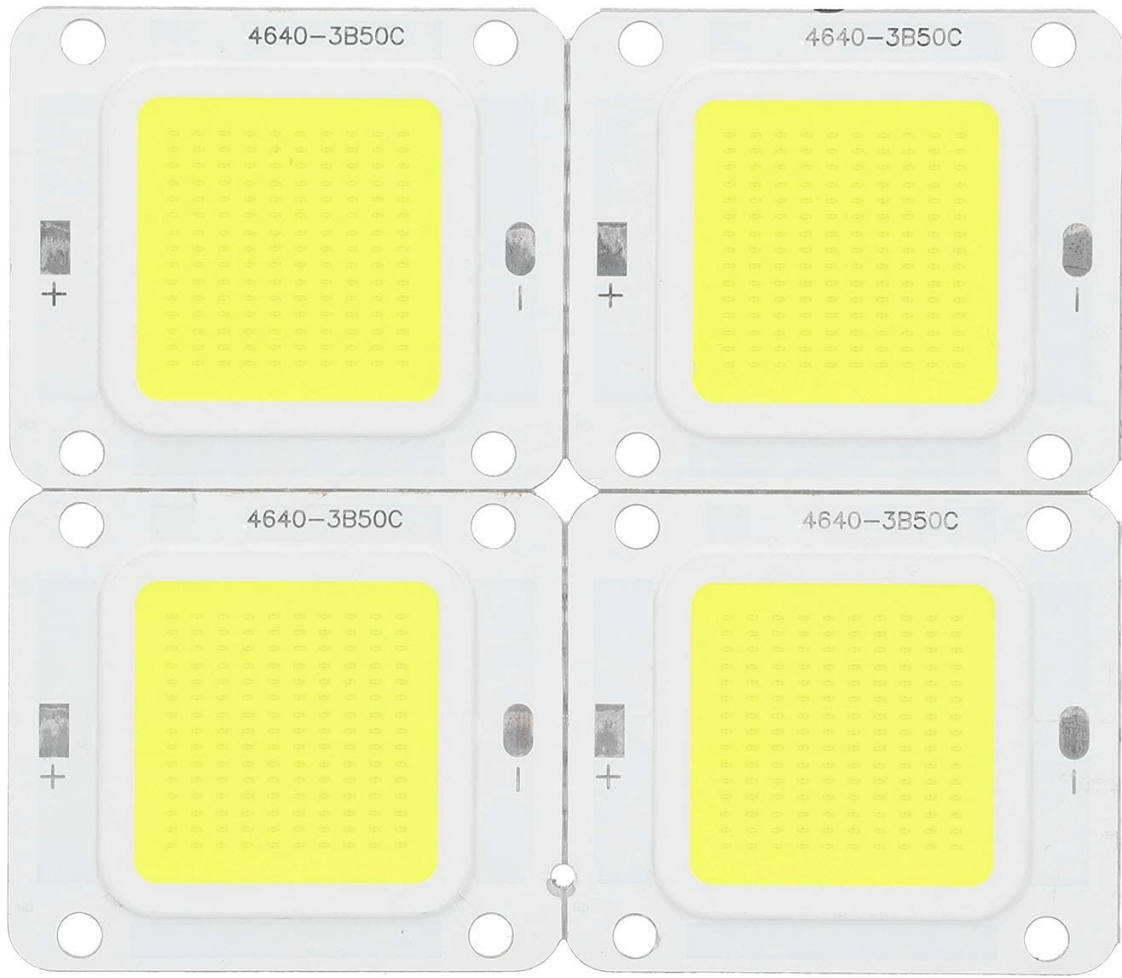


Image 1.1: Four EVTSCAN COB LED Chips, showing their dimensions (40mm width, 45mm height).

Key Features:

- **Uniform Light Emission:** Supports single-sided light emission, providing soft light without glare or flicker.
- **Aluminum Metal Substrate:** Ensures high heat dissipation, low light attenuation, and extended service life.
- **Versatile Usage:** Ideal for DIY table lamps, spotlights, downlights, ceiling lamps, and other custom lighting applications.
- **Pure White Light:** COB light source chip emits 6500K pure white light with a wide irradiation area.
- **Easy Installation:** Designed for straightforward and safe connection to compatible lamp fixtures.

2. SETUP AND INSTALLATION

These LED chips are designed for easy integration into existing or new lighting fixtures. Proper installation is crucial for safety and optimal performance.

Safety Precautions:

- Always disconnect power to the fixture before installation or maintenance.
- Ensure proper electrical insulation and connections to prevent short circuits.
- Handle LED chips by their edges to avoid touching the light-emitting surface.
- Do not exceed the specified voltage (150-170V) or wattage (60W) per chip.

Installation Steps:

1. **Prepare the Fixture:** Ensure the lighting fixture is clean, dry, and has adequate space for the LED chip.
2. **Mount the Chip:** Securely attach the LED chip to the fixture's heat sink or mounting surface. The aluminum substrate is designed for heat dissipation, so good thermal contact is essential.
3. **Connect Wiring:** Connect the positive (+) and negative (-) terminals of the LED chip to the corresponding power supply wires. Refer to the markings on the chip for correct polarity.
4. **Test:** Once all connections are secure and insulated, restore power and test the light.

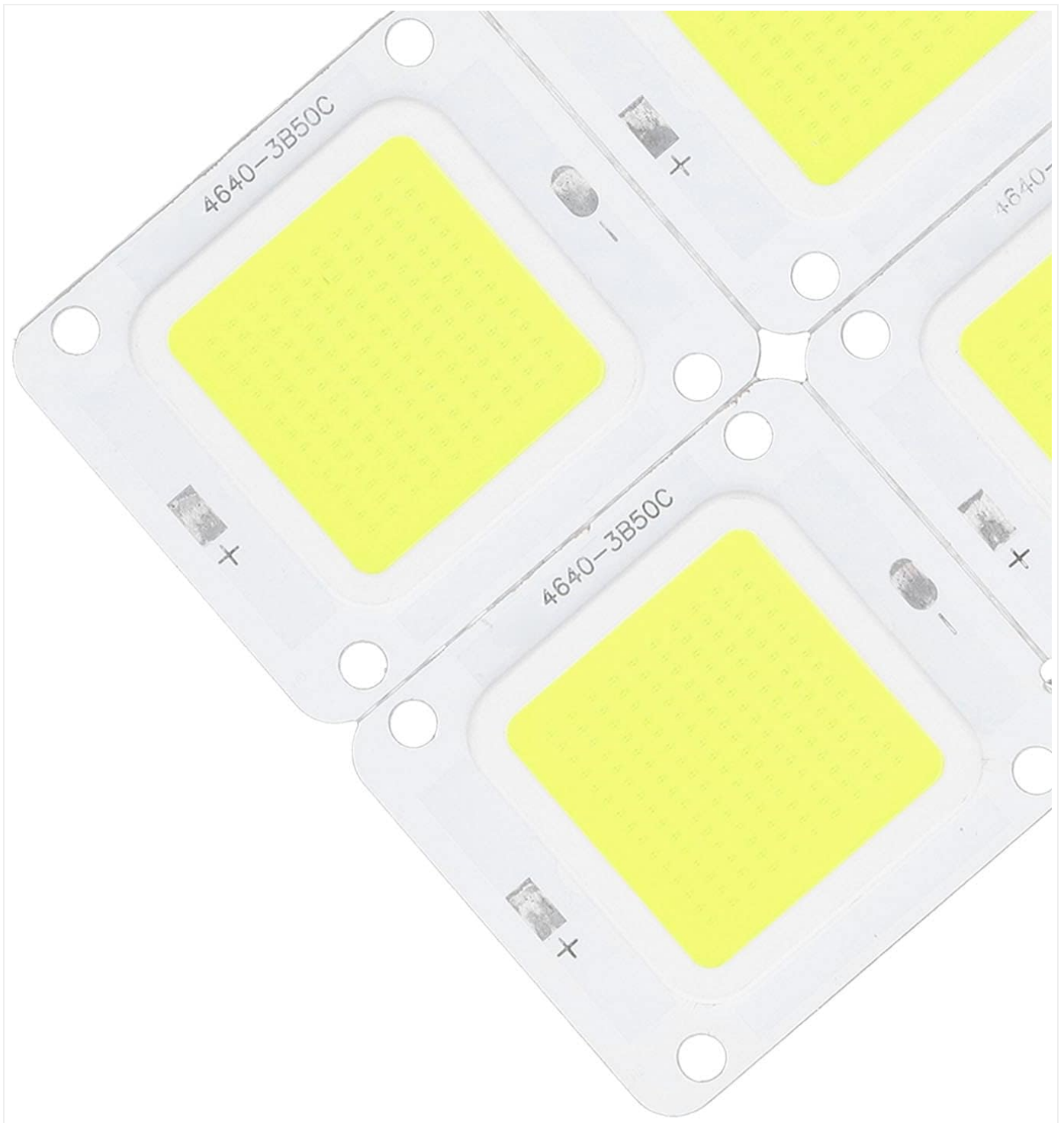


Image 2.1: Close-up view of the COB LED chips, highlighting the positive (+) and negative (-) connection points for wiring.

3. OPERATING INSTRUCTIONS

Once properly installed, the EVTSCAN COB LED chips operate by simply applying the specified voltage. They are designed to provide consistent and high-quality illumination.

Light Characteristics:

- **Color Temperature:** 6500K (Pure White Light).
- **Luminous Flux:** 6000LM per chip, providing bright illumination.
- **Beam Angle:** Wide irradiation area due to COB design.



COB Light Chip

Easy to install and use, safe and stable, it can emit light when connected to the lamp

Image 3.1: The COB LED chips shown alongside a desk lamp, illustrating their potential use in various lighting applications.

These chips are designed for continuous operation within their specified voltage and temperature ranges. Ensure adequate ventilation for the fixture to maintain optimal performance and longevity.

4. MAINTENANCE

The EVTSCAN COB LED chips are designed for long-term reliability with minimal maintenance. However, following these guidelines can help ensure their extended service life.

General Care:

- **Cleaning:** If necessary, gently wipe the surface of the LED chip with a soft, dry, lint-free cloth. Avoid using abrasive cleaners or solvents.
- **Heat Management:** The aluminum metal substrate provides high heat dissipation. Ensure that the chips are mounted to a suitable heat sink or fixture that allows for efficient heat transfer to prevent overheating.
- **Environmental Conditions:** Operate the chips within a stable temperature and humidity environment. Avoid exposure to extreme temperatures or moisture.



Image 4.1: The reverse side of the COB LED chips, illustrating the aluminum metal substrate designed for efficient heat dissipation.

Regular inspection of wiring and connections is recommended to ensure continued safety and performance.

5. TROUBLESHOOTING

If you encounter issues with your EVTSCAN COB LED chips, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
LED chip does not light up.	No power, incorrect wiring, faulty power supply, or damaged chip.	<ul style="list-style-type: none">• Check if the power supply is connected and active.• Verify positive (+) and negative (-) wiring connections.• Ensure the power supply voltage is within the 150-170V range.• Test with a known working power supply or another chip if available.

Problem	Possible Cause	Solution
Light is dim or flickers.	Insufficient voltage, unstable power supply, or poor connection.	<ul style="list-style-type: none"> • Confirm the power supply provides stable voltage within the specified range. • Inspect all wiring connections for looseness or corrosion.
Chip overheats.	Inadequate heat dissipation, excessive voltage/current.	<ul style="list-style-type: none"> • Ensure the chip is properly mounted to a heat sink. • Verify the power supply voltage and current are within specifications. • Improve ventilation around the fixture.

If problems persist after following these steps, contact customer support for further assistance.

6. SPECIFICATIONS

Detailed technical specifications for the EVTSCAN COB LED Chip:

Specification	Value
Brand	EVTSCAN
Model Number	B0CQYP8Z2K
Item Type	LED Chip
Material	Aluminum
Product Size	Approx. 45x40mm / 1.8x1.6in
Voltage	150-170V
Power (Wattage)	60W
Lamp Chip Type	COB
Light Source	Pure White Light
Color Temperature	6500 Kelvin
Luminous Flux (Brightness)	6000LM
Service Life	10000H
Unit Count	4.0 Count (per package)

7. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available documentation. For any product-related inquiries,

technical support, or warranty claims, please contact the manufacturer or seller directly.
You can visit the official EVTSCAN store for more information and support:

[EVTSCAN Official Store](#)



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