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› [FERUERW](#) /

› [FERUERW Hexagon Garage Lights 5 Grid - Dimmable 3 Color Temperature \(2700K/4300K/6500K\) Instruction Manual](#)

FERUERW Adjustable Color Temperature 5 Grids

FERUERW Hexagon Garage Lights 5 Grid - Dimmable 3 Color Temperature (2700K/4300K/6500K)

Instruction Manual

1. INTRODUCTION

Thank you for choosing the FERUERW Hexagon Garage Lights 5 Grid. This lighting system is designed to provide bright, uniform, and energy-efficient illumination for various spaces such as garages, workshops, basements, and car detailing shops. Featuring a unique hexagonal design and adjustable color temperature (2700K, 4300K, 6500K), these lights enhance visibility and create a modern aesthetic. Please read this manual thoroughly before installation and use to ensure safe and optimal performance.

2. SAFETY INFORMATION

- Always disconnect power before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician if hardwiring is required.
- Ensure the mounting surface can support the weight of the lighting system.
- Do not operate the lights with damaged cords or connectors.
- Avoid direct eye exposure to the LED light source when illuminated.
- This product is designed for indoor use only.
- Keep children and pets away from the installation area.

3. PACKAGE CONTENTS

Verify that all components listed below are present and undamaged before beginning installation.

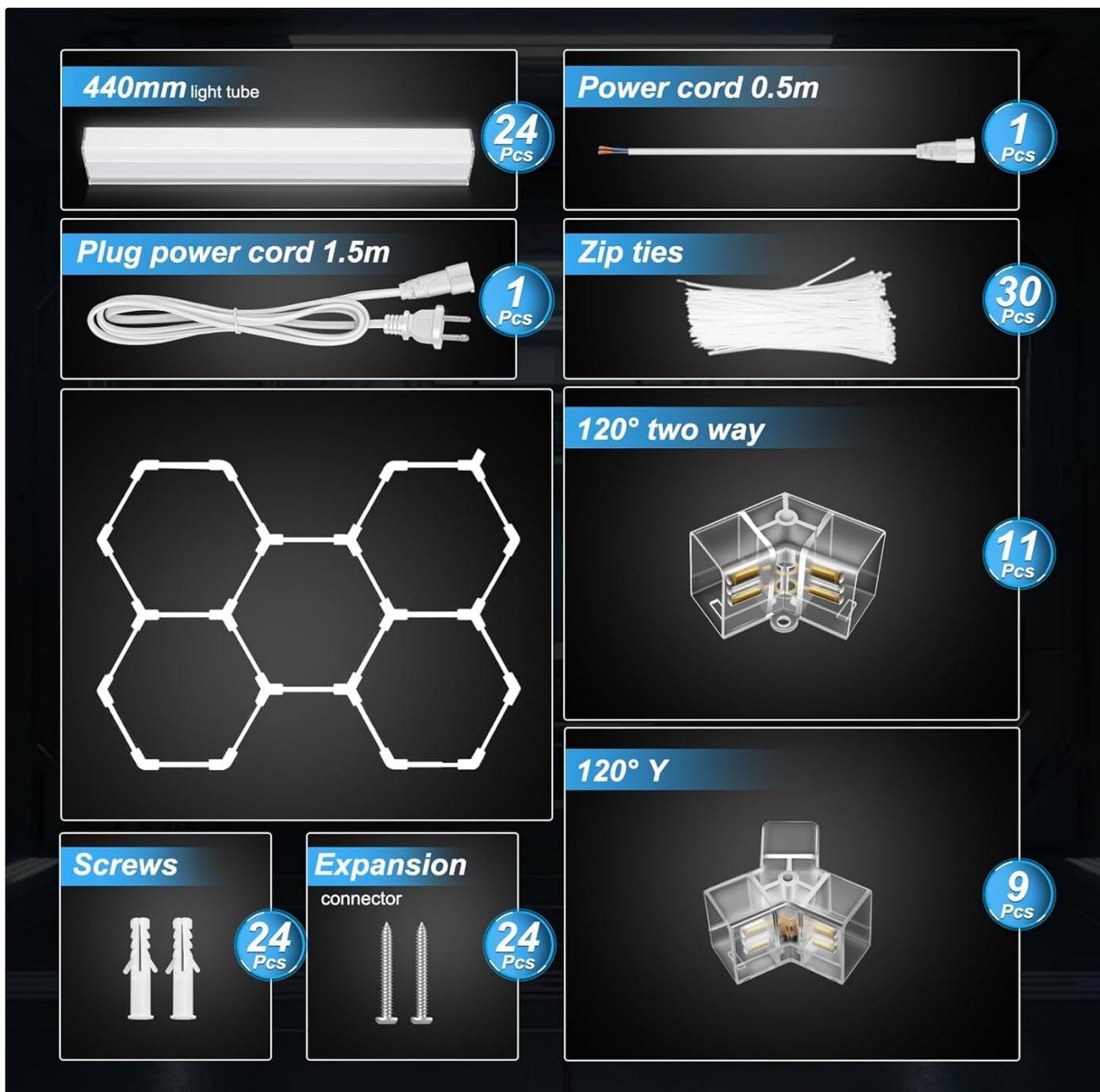


Figure 3.1: Overview of included components.

- Light Tubes (440mm): 24 pieces
- Power Cord (0.5m): 1 piece
- Plug Power Cord (1.5m): 1 piece
- Zip Ties: 30 pieces
- 120° Two-Way Connectors: 11 pieces
- 120° Y Connectors: 9 pieces
- Screws: 24 pieces
- Expansion Connectors: 24 pieces
- Instruction Manual: 1 piece

4. SETUP AND INSTALLATION

The FERUERW Hexagon Garage Lights are designed for easy assembly and installation. Follow these steps carefully.

4.1. Planning the Layout

Before assembly, plan your desired hexagonal grid layout on the ceiling. Consider the dimensions of your space and the coverage needed. The system allows for various configurations using the provided connectors.



Figure 4.1: Example layouts for the hexagonal lighting system.

4.2. Assembly of Light Grid

1. **Connect Light Tubes:** Use the 120° two-way and 120° Y connectors to join the 440mm light tubes according to your planned hexagonal pattern. Ensure a secure connection for both mechanical stability and electrical contact.
2. **Power Connection:** Connect the power cord to the assembled grid. The system supports both direct hardwiring (0.5m power cord) or plug-in operation (1.5m plug power cord). Choose the appropriate method for your installation.

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Video 4.1: Unboxing and initial assembly demonstration of the FERUERW Hexagon Garage Lights. This video shows the components and how they connect.

4.3. Mounting to Ceiling

3. **Secure Mounting Clips:** Position the assembled light grid against the ceiling. Mark the locations for the mounting clips. Use the provided screws and expansion connectors to securely attach the clips to the ceiling.
4. **Attach Light Grid:** Carefully snap the light tubes into the mounted clips. Ensure all connections are firm and the grid is stable.

FERUERW		
Brightness	 Higher brightness 86400LM	Others  Normal brightness 65000LM
Material	 High quality PC flame retardant material	 Ordinary plastic is fragile
Mounting	 Concealed snap mounting	 Exposed mounting

Figure 4.2: The FERUERW Hexagon Garage Lights feature concealed snap mounting for a clean finish.



Figure 4.3: Easy installation is facilitated by strap or screw mounting options.

5. OPERATING INSTRUCTIONS

Once installed, operating your FERUERW Hexagon Garage Lights is straightforward.

- **Power On/Off:** Connect the power plug to a suitable electrical outlet or activate the wall switch if hardwired.
- **Adjust Color Temperature:** The lights feature 3 color temperature settings (2700K, 4300K, 6500K). Use the integrated push button control method to cycle through the available color temperatures to suit your preference or task.
- **Dimming Function:** This model is dimmable. If connected to a compatible dimmer switch (not included), you can adjust the brightness level.



Figure 5.1: Adjusting the color temperature from warm (2700K) to cool white (6500K).

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lighting system.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe down the light tubes and connectors. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check for any loose connections or damaged components. Address any issues promptly.
- **Bulb Replacement:** The LED light source is integrated and not user-replaceable. The system is designed for long-lasting performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	No power supply; Loose connection; Faulty outlet/switch.	Check power connection; Ensure all connectors are secure; Test outlet/switch with another device.
Lights flicker.	Loose connection; Incompatible dimmer switch (if applicable).	Verify all connections are tight; Ensure dimmer switch is LED compatible.
Incorrect color temperature.	Setting needs adjustment.	Use the push button control to cycle through color temperature options.

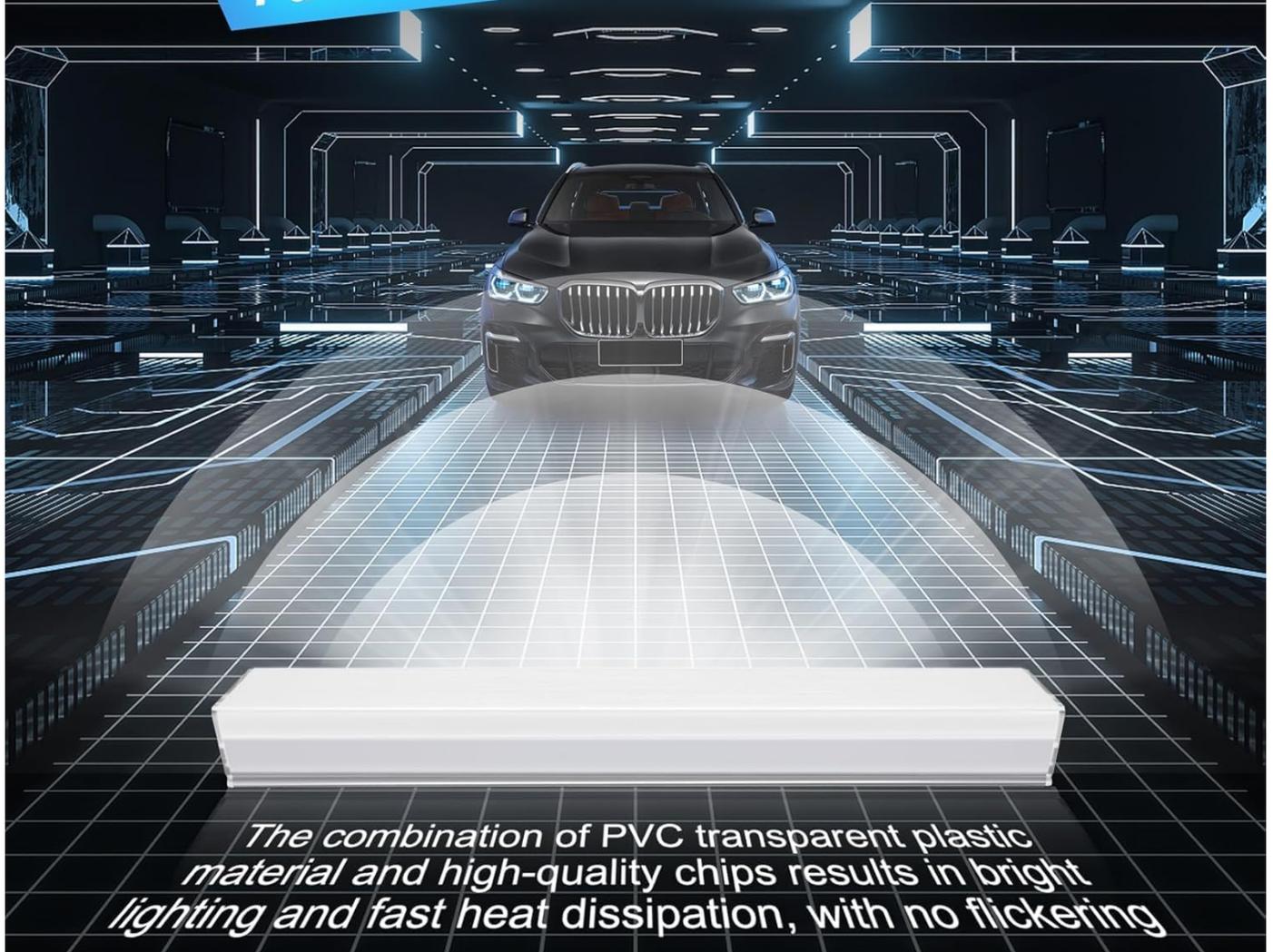
If you experience issues not listed here or if troubleshooting steps do not resolve the problem, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	FERUERW
Model	Adjustable Color Temperature 5 Grids
Power	672W (System Total)
Brightness	21480 Lumens (Max)
Color Temperature	2700K / 4300K / 6500K (Adjustable)
Voltage	110 Volts
Material	Plastic (High-quality PC, flame retardant)
Installation Type	Semi Flush Mount / Ceiling Mount
Control Method	Push Button (for color temperature) / Dimmer (for brightness, compatible switch required)
Indoor/Outdoor Usage	Indoor
Assembly Required	Yes
Dimensions (approx.)	7.5"L x 7.5"W x 18"H (Individual light fixture, system dimensions vary by layout)

High Brightness

Fast Heat Dissipation/No Flicker



The combination of PVC transparent plastic material and high-quality chips results in bright lighting and fast heat dissipation, with no flickering

Figure 8.1: High brightness and efficient heat dissipation ensure stable performance.



Figure 8.2: The hexagonal lighting system provides exceptional illumination for workspaces.

9. WARRANTY AND SUPPORT

FERUERW products are manufactured to high-quality standards. This product typically comes with a 2-year warranty against manufacturing defects. For detailed warranty information, product support, or to purchase replacement parts, please refer to the product packaging or contact FERUERW customer service through your retailer or the official brand website.