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Ledvion LVT10003_2m4s

Ledvion 2M LED Track Lighting System with 4 Dimmable GU10 Track Spotlights - User Manual

Model: LVT10003_2m4s

1. INTRODUCTION

This user manual provides essential information for the safe and efficient installation, operation, and maintenance of your Ledvion 2M LED Track Lighting System with 4 Dimmable GU10 Track Spotlights. Please read this manual thoroughly before installation and retain it for future reference.

The Ledvion track lighting system offers a modern and flexible lighting solution, allowing you to customize your illumination. It is designed for use with GU10 LED bulbs (not included), providing energy efficiency and the option for dimming with a compatible external dimmer.

2. SAFETY INFORMATION

WARNING: Electrical installation should only be performed by a qualified electrician in accordance with local electrical codes and regulations.

- Always disconnect power at the circuit breaker before installation, maintenance, or bulb replacement.
- Ensure the voltage supply matches the product specifications (230 Volts).
- Do not exceed the maximum wattage for GU10 bulbs specified for the spotlights.
- Avoid direct contact with hot bulbs or fixtures.
- This product is designed for indoor use only.
- Keep packaging materials out of reach of children.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x Ledvion 2M Track Rail (Black)
- 4x Ledvion Track Spotlights (Black, GU10 Fitting)
- Mounting hardware (screws, anchors)
- User Manual

Note: GU10 LED bulbs are not included and must be purchased separately. An external dimmer is required for dimming

functionality.



Image 1: Overview of the Ledvion 2M LED Track Lighting System with four spotlights.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your track lighting system:

4.1. Planning and Preparation

1. **Choose Location:** Select a suitable location on your ceiling or wall. Ensure the surface can support the weight of the track and spotlights.
2. **Power Disconnection:** Turn off the main power supply at the circuit breaker before starting any electrical work.
3. **Marking:** Hold the track rail against the desired mounting surface and mark the drilling points for the mounting brackets.

4.2. Mounting the Track Rail

1. Drill pilot holes at the marked locations. Insert appropriate wall anchors if necessary.
2. Secure the track rail to the surface using the provided screws. Ensure it is firmly attached and level.

4.3. Electrical Connection

1. Connect the electrical wiring from your power source to the track rail's power feeder. Ensure correct polarity (Live, Neutral, Ground).
2. Double-check all connections for security and proper insulation.

4.4. Installing Spotlights

The system features an easy plug-and-play locking system for spotlights.

1. Insert the GU10 LED bulb into each spotlight fixture by twisting it into place.
2. Align the spotlight connector with the track rail slot.
3. Push the spotlight firmly into the track until it clicks into place.
4. Rotate the locking mechanism on the spotlight connector to secure it.



PLUG AND PLAY INSTALLATION

Effortless plug-and-play installation with our user-friendly locking system. Seamlessly add, remove or reposition spotlights with ease



Image 2: Illustration of the plug-and-play installation process for securing spotlights onto the track rail.



Image 3: Detailed dimensions of the track rail (2000mm length) and individual spotlights (175mm total height, 140mm spotlight body, 52mm diameter).

5. OPERATING INSTRUCTIONS

5.1. Powering On

Once installation is complete and all connections are secure, restore power at the circuit breaker. The lights should turn on.

5.2. Adjusting Spotlights

Each spotlight can be independently adjusted to direct light where needed:

- **Rotation:** The spotlight can rotate 350 degrees horizontally along the track.
- **Tilt:** The spotlight head can be tilted up to 90 degrees vertically.



ADJUSTABLE AND ROTATABLE

The track lighting spotlight can be tilted 350 degrees in all directions, ensuring you always have the perfect light exactly where you need it



Image 4: Demonstration of the 350-degree rotation and 90-degree tilt capabilities of the track spotlights.

5.3. Dimming Functionality

If you have installed dimmable GU10 LED bulbs and connected the system to a compatible external dimmer, you can adjust the light intensity using the dimmer control.

5.4. Optional Anti-Glare Grid

An optional anti-glare grid can be added to the spotlights to reduce glare. This grid is easy to attach and remove.



OPTIONAL
GRID

FREE ANTI-GLARE GRID

Prevent glare with the optional and freely supplied anti-glare grid. Easy to add and remove



FREE AND OPTIONAL

EASY TO ADD/REMOVE

Ledvion

Image 5: Illustration of how to install or remove the optional anti-glare grid from the spotlight fixture.

6. MAINTENANCE

- **Cleaning:** Ensure power is off before cleaning. Wipe the track and spotlights with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Bulb Replacement:** Disconnect power before replacing GU10 bulbs. Allow bulbs to cool completely before handling. Twist the old bulb out and insert the new one.
- **Inspection:** Periodically check all connections and mounting points for security.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|--------------------------------------|--|---|
| Lights do not turn on. | No power supply. Loose electrical connection. Faulty bulb. Spotlight not properly seated/locked in track. | Check circuit breaker. Verify all wiring connections (ensure power is off). Replace bulb. Ensure spotlight is fully inserted and locked. |
| Lights flicker. | Incompatible dimmer. Loose bulb connection. Faulty bulb. | Ensure dimmer is compatible with LED bulbs. Tighten bulb in socket. Replace bulb. |
| Spotlight does not stay in position. | Locking mechanism not engaged. Spotlight not fully inserted. | Ensure the locking mechanism is rotated to the locked position. Push the spotlight firmly into the track until it clicks. |

8. SPECIFICATIONS

| | |
|---------------------------|---|
| Brand: | Ledvion |
| Model Number: | LVT10003_2m4s |
| Track Length: | 2M (2000mm) |
| Item Weight: | 2 Kilograms |
| Color: | Black (4 Railspots) |
| Voltage: | 230 Volts |
| Bulb Type: | GU10 (LED recommended, not included) |
| Dimmable: | Yes (with compatible external dimmer and dimmable GU10 bulbs) |
| Number of Items: | 1 (includes track and 4 spotlights) |
| Country of Origin: | China |

9. OPTIONAL ACCESSORIES

You can expand your Ledvion track system with the following optional accessories (sold separately):

- Powerfeeder with Coverplate (SKU: LVT10019)
- Powerfeeder with I-Connector (SKU: LVT10021)
- X-Connector (SKU: LVT10017)
- T-Connector (SKU: LVT10015)
- Pendant Spot Adjustable Cord (SKU: LVT10005)



OPTIONAL UPGRADES

You can easily expand our rail system with the following optional accessories



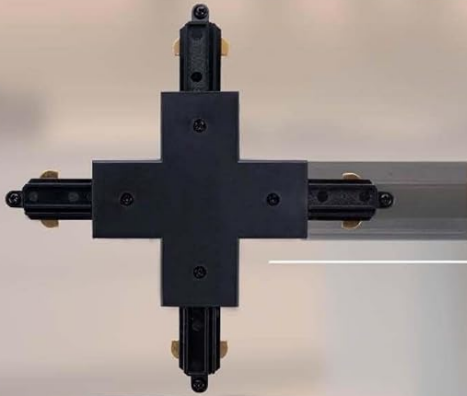
POWERFEEDER WITH COVERPLATE

SKU: LVT10019



POWERFEEDER WITH I-CONNECTOR

SKU: LVT10021



X-CONNECTOR

SKU: LVT10017



T-CONNECTOR

SKU: LVT10015



PENDANT SPOT ADJUSTABLE CORD

SKU: LVT10005

Image 6: Various optional accessories for expanding the Ledvion track lighting system, including different connectors and a pendant spot.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or inquiries regarding spare parts, please contact Ledvion customer service directly. Refer to your purchase documentation for specific warranty terms and contact details.

Information regarding software updates and spare parts availability is not provided at this time.