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Ledvion LVT10002_2m6s

Ledvion LED Track Lighting System 2M with 6 GU10 Dimmable Spotlights User Manual

Model: LVT10002_2m6s

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ledvion LED Track Lighting System. This modern and flexible lighting solution is designed to illuminate various spaces, offering customizable light intensity and color temperature.

The Ledvion LED Track Lighting System (Model LVT10002_2m6s) includes a 2-meter track and 6 GU10 track spotlights. It is suitable for homes, offices, and retail environments.



Image 1: Overview of the Ledvion LED Track Lighting System with six spotlights.

2. WHAT'S IN THE Box

Carefully unpack the box and ensure all components are present and undamaged. The package for SKU LVT10002_2m6s should contain the following items:

- 1x 2-meter LED track (typically supplied as two 1-meter segments)
- 6x GU10 Track Spotlights
- 6x Optional Anti-Glare Grids
- Mounting hardware (screws and wall plugs)
- 1x Power connector
- 1x End cap

WHAT'S IN THE BOX

SKU: LVT10002_2m6s

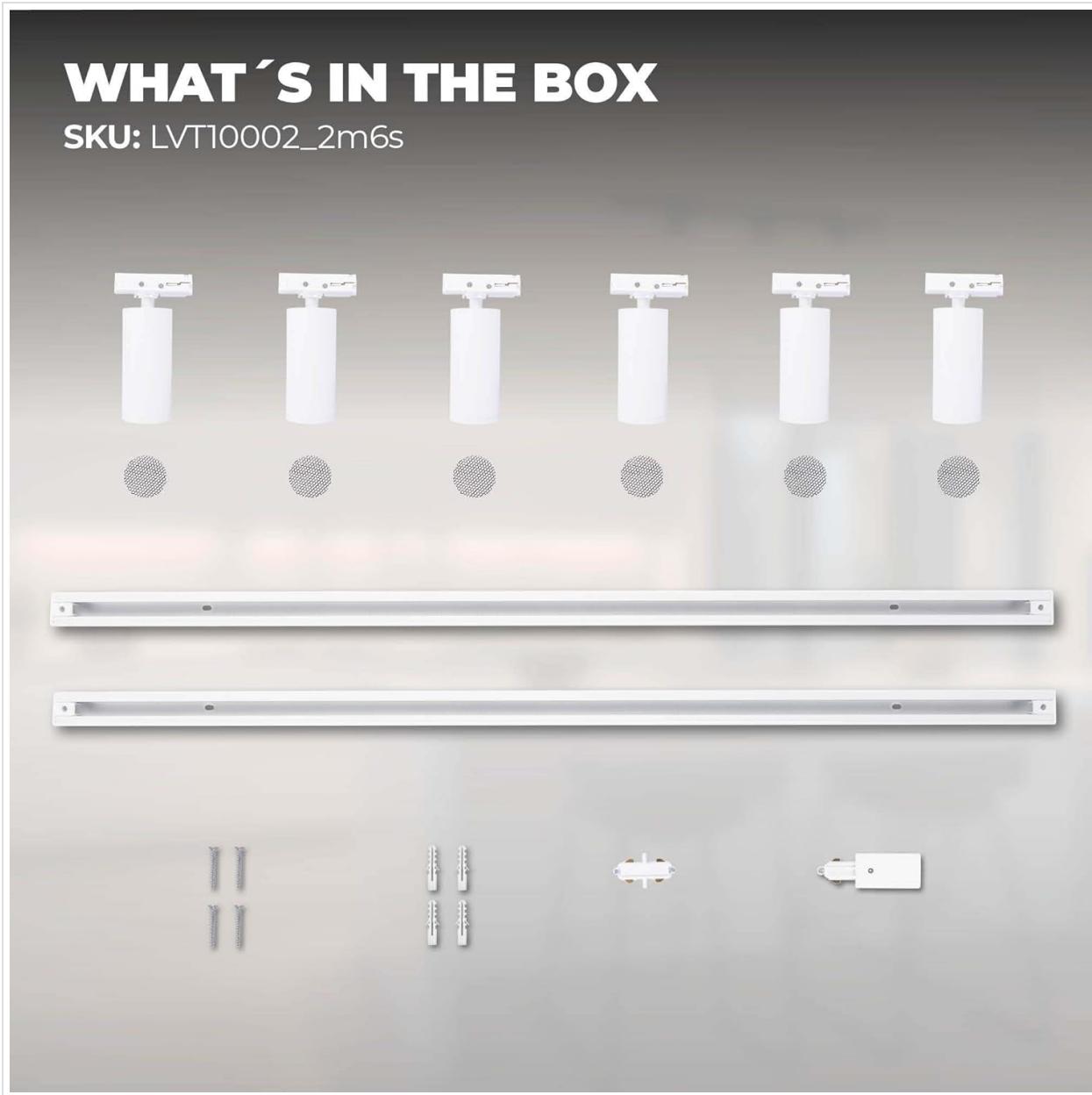


Image 2: Visual representation of the components included in the box for SKU LVT10002_2m6s. This includes the track segments, six spotlights, anti-glare grids, mounting hardware, and connectors.

3. SETUP AND INSTALLATION

Installation of the Ledvion track lighting system is designed to be straightforward. However, if you are unsure about any steps, it is recommended to consult a qualified electrician.

3.1 Safety Precautions

- **Always turn off the main power supply** at the circuit breaker before beginning any electrical installation.
- Ensure the mounting surface is suitable to support the weight of the track and spotlights.
- Do not connect the system to a power source until all components are securely installed.

3.2 Installation Steps

1. **Mount the Track:** Position the 2-meter track (or connected 1-meter segments) on the desired ceiling or wall location. Mark the drilling points for the mounting screws. Drill holes and insert appropriate wall plugs. Secure the track firmly using the provided screws.

- 2. Connect Power:** Connect the power feeder to the track and the main electrical supply. Ensure all wiring connections are secure and comply with local electrical codes.
- 3. Install Spotlights:** The spotlights feature an effortless plug-and-play locking system. Align the spotlight connector with the track groove, push it in, and then rotate the locking mechanism to secure it in place.
- 4. Insert GU10 Bulbs:** If not pre-installed, insert GU10 LED bulbs into each spotlight fixture. Ensure the bulbs are compatible with the GU10 fitting and any dimming requirements.
- 5. Attach Anti-Glare Grids (Optional):** If using, gently press the anti-glare grids into the front of the spotlight fixtures.



Image 3: Illustration of the plug-and-play installation process, demonstrating how to easily add, remove, or reposition spotlights on the track.



Image 4: Example of the Ledvion track lighting system installed in a kitchen, showcasing its aesthetic integration.

4. OPERATING INSTRUCTIONS

Once installed, the Ledvion track lighting system is ready for operation. The system is designed for use with GU10 LED lamps, which are energy-efficient and can be dimmed with an external dimmer (not included).

4.1 Power On/Off

Control the lighting system using your standard wall switch connected to the track's power supply.

4.2 Adjusting Spotlights

Each track spotlight can be tilted 350 degrees in all directions and rotated 90 degrees, allowing you to direct light precisely where needed. Gently adjust the spotlight head to achieve the desired illumination angle.



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 5: Visual guide demonstrating the 350-degree adjustable tilt and 90-degree rotatable features of the track spotlights.

4.3 Dimming Functionality

If you have installed dimmable GU10 LED bulbs and connected the system to an external dimmer, you can adjust the light intensity to create the perfect ambience for any occasion. Refer to your dimmer's instructions for specific operation.

5. FEATURES AND ACCESSORIES

5.1 Adjustable and Rotatable Spotlights

The individual spotlights offer exceptional flexibility, allowing for precise light direction. Each spotlight can be tilted up to 350 degrees and rotated 90 degrees, ensuring optimal illumination for any area.



Image 6: A detailed view of a single track spotlight, highlighting its cylindrical design and GU10 fitting.

5.2 Optional Anti-Glare Grid

To prevent glare and enhance visual comfort, optional anti-glare grids are included. These grids can be easily added to or removed from the front of the spotlights.



FREE ANTI-GLARE GRID

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

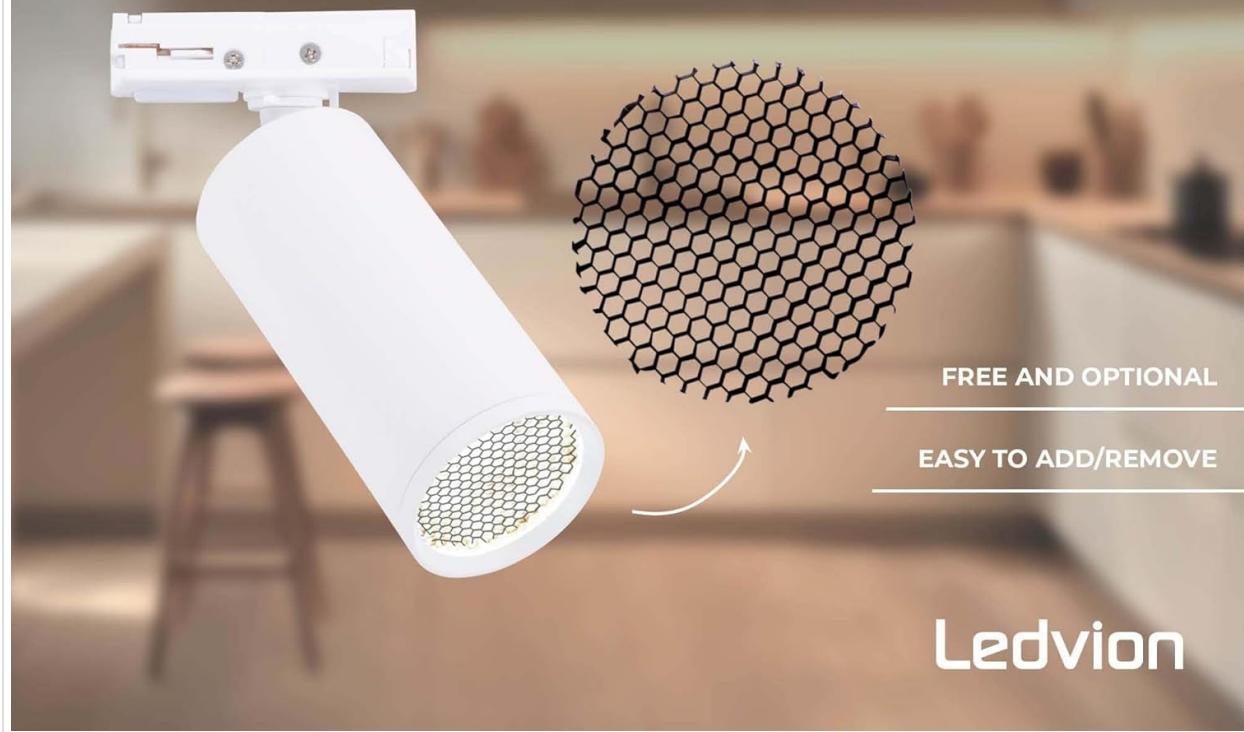


Image 7: Illustration of the optional anti-glare grid and how it can be attached to the spotlight to reduce glare.

5.3 Optional System Upgrades

The Ledvion track system is expandable with various optional accessories (sold separately) to customize your lighting layout:

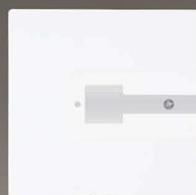
- **Powerfeeder with Coverplate (SKU: LVT10019):** For alternative power connection points.
- **Powerfeeder with I-Connector (SKU: LVT10021):** For connecting multiple track segments in a straight line.
- **X-Connector (SKU: LVT10017):** For creating cross-shaped track layouts.
- **T-Connector (SKU: LVT10015):** For creating T-shaped track layouts.
- **Pendant Spot Adjustable Cord (SKU: LVT10005):** To add pendant lighting elements to the track.



EASY
CONNECT

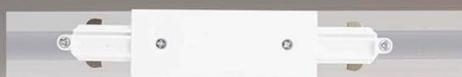
OPTIONAL UPGRADES

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



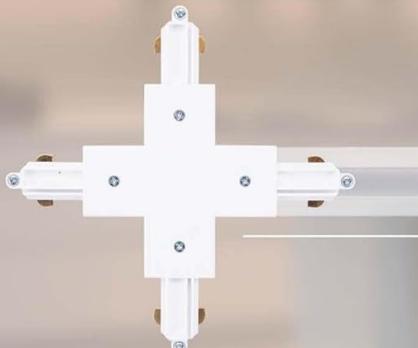
POWERFEEDER WITH COVERPLATE

SKU: LVT10019



POWERFEEDER WITH I-CONNECTOR

SKU: LVT10021



X-CONNECTOR

SKU: LVT10017



T-CONNECTOR

SKU: LVT10015



PENDANT SPOT ADJUSTABLE CORD

SKU: LVT10005

Image 8: Visual guide to optional accessories for expanding the Ledvion track lighting system, including various connectors and a pendant spot.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Ledvion LED Track Lighting System, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the track and spotlights. Avoid abrasive cleaners or solvents, as these can damage the finish.
- **Bulb Replacement:** Ensure power is off before replacing GU10 bulbs. Allow bulbs to cool completely before handling. Gently twist and pull to remove the old bulb, then insert and twist the new GU10 bulb into place.
- **Inspection:** Periodically check all connections and mounting points for tightness. If any damage is observed, disconnect power and contact a qualified technician.

7. TROUBLESHOOTING

If you encounter issues with your Ledvion LED Track Lighting System, refer to the following troubleshooting

steps:

Problem	Possible Cause	Solution
Lights do not turn on.	No power supply; loose connection; faulty bulb.	Check circuit breaker. Ensure all connections are secure. Replace bulb.
Lights flicker.	Incompatible dimmer; loose bulb; faulty wiring.	Ensure dimmer is compatible with LED bulbs. Tighten bulbs. Consult electrician for wiring check.
Spotlight difficult to adjust/rotate.	Initial stiffness; mechanism not fully engaged.	Apply gentle, firm pressure to rotate or tilt. Ensure the spotlight is correctly locked into the track. Avoid excessive force.
One or more spotlights not working.	Faulty bulb; loose connection to track.	Replace the bulb. Re-seat the spotlight firmly into the track, ensuring the locking mechanism is engaged.

If the problem persists after attempting these solutions, please contact Ledvion customer support or a qualified electrician.

8. SPECIFICATIONS

Detailed technical specifications for the Ledvion LED Track Lighting System (Model LVT10002_2m6s):

Feature	Specification
Brand	Ledvion
Model Number	LVT10002_2m6s
Track Length	2000 mm (2 meters)
Product Dimensions (Packaging)	105 x 20 x 15 cm
Item Weight	2.35 Kilograms
Number of Spotlights	6
Bulb Type	GU10 (LED recommended)
Voltage	230 Volts
Plug Type	Electrical (Wired)
Dimmable	Yes, with compatible GU10 LED bulbs and external dimmer
Style	1-phase Track Lighting



Image 9: Diagram illustrating the dimensions of the track (2000 mm) and individual spotlights (150 mm height, 50 mm diameter).

9. SAFETY INFORMATION AND COMPLIANCE

This product complies with all relevant EU Directive requirements.

9.1 General Safety

- **Intended Use:** Only use this device for its intended purpose. Do not use if damaged or defective.
- **Damage:** If this product is damaged, especially the power cable, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- **Power Disconnection:** Before any replacement or repair, always turn off the main power supply. To disconnect voltage, pull the plug.
- **Installation & Repair:** Installation should only be performed in combination with the original driver. This product should only be opened by an authorized technician for repair purposes. Do not attempt to carry out repairs yourself.

9.2 Disposal of Your Product

This product is made of high-quality materials and parts that can be reused. Do not dispose of the product with normal household waste. For further information, please contact your local waste collection service for details on proper disposal and recycling. In your country, there are separate collection systems for electrical and

electronic products. Proper disposal of old products will prevent adverse effects on the environment and human health.

9.3 Warranty and Disclaimer

Any changes and/or modifications to the product will void the warranty. Ledvion reserves the right to make changes to designs and specifications without notice. All product names, logos, and brands mentioned are trademarks or registered trademarks of their respective holders and are hereby recognized as such.



Image 10: Back of the product packaging, displaying safety instructions, disposal guidelines, and a QR code for additional documentation.

10. SUPPORT

For additional documentation or support, please visit the Ledvion website or scan the QR code below:

Ledvion Documentation and Support

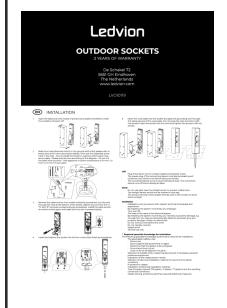
(Link extracted from product packaging QR code)

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This manual is for informational purposes only. Ledvion is not responsible for any damages or injuries resulting from improper installation or use of this product.

Related Documents - LVT10002_2m6s

	<p>Ledvion GU10 Ground Spot Installation Manual</p> <p>Installation instructions and safety information for the Ledvion GU10 Ground Spot (ART.NO.LVO10137 & LVO10139). Includes details on electrical safety, maintenance, and disposal.</p>
	<p>Ledvion LV010040 Outdoor Wall Lamp: Installation Guide & Safety Information</p> <p>Comprehensive installation instructions, safety guidelines, and technical specifications for the Ledvion LV010040 outdoor wall lamp. Ensure safe and correct setup for your lighting.</p>
	<p>Ledvion IP65 Fixture with T8 Fitting Installation Guide and Technical Data</p> <p>Comprehensive installation instructions, technical specifications, safety guidelines, and compliance information for the Ledvion IP65 Fixture with T8 Fitting, covering models LV30001 through LV30006.</p>
	<p>Ledvion IP65 Fixture with T8 Fitting: Installation Guide and Technical Specifications</p> <p>Detailed installation instructions and technical data for the Ledvion IP65 rated fixture with T8 fitting. Covers model numbers LV30013-LV30018, voltage, frequency, protection, dimensions, and step-by-step mounting procedures. Includes safety warnings and compliance information.</p>

	<p>Ledvion LED Dimmer Manual and Technical Data</p> <p>Comprehensive manual for the Ledvion LED Dimmer switch (LV10001_1), including installation instructions, wiring diagrams, technical specifications, and safety warnings. Learn how to properly install and use the dimmer for optimal performance with dimmable LED lamps.</p>
	<p>Ledvion Outdoor Sockets Installation and User Manual</p> <p>This document provides installation, usage, safety, and disposal instructions for Ledvion Outdoor Sockets. It includes detailed steps for mounting, wiring, and operating the product, along with important warnings and maintenance guidelines.</p>