

Ledvion LVT10001_2m6s_2700K

Ledvion 2M LED Track Lighting System with 6 Dimmable 2700K Spotlights

Model: LVT10001_2m6s_2700K

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of your Ledvion 2M LED Track Lighting System. This system includes a 2-meter single-phase track and six 5W, 2700K dimmable LED spotlights, designed to offer flexible and modern illumination for various indoor spaces.



Image 1.1: Overview of the Ledvion 2M LED Track Lighting System.



Image 1.2: Example installation of the track lighting system in a kitchen environment.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Professional Installation:** This product should only be installed by a qualified electrician or competent person in accordance with local electrical codes and regulations.
- **Power Disconnection:** Always disconnect power at the main circuit breaker before attempting any installation, maintenance, or bulb replacement.
- **No Modifications:** Do not disassemble, modify, or attempt to repair the product. Any unauthorized modifications will void the warranty and may create safety risks.
- **Proper Grounding:** Ensure the track system is properly grounded to prevent electrical hazards.
- **Indoor Use Only:** This lighting system is designed for indoor use in dry locations. Do not expose to moisture or extreme temperatures.
- **Bulb Compatibility:** Use only GU10 LED bulbs with appropriate wattage (max 5W per spotlight) and voltage (230V) ratings.



Image 2.1: Product packaging displaying safety and warranty details.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation. If any parts are missing or damaged, contact your retailer.

WHAT'S IN THE BOX

SKU: LVT10001_2m6s_2700K



Image 3.1: All components included in the product box.

- 2 x 1-meter Track Rails (total 2M)
- 6 x LED Spotlights (GU10 fitting)
- 6 x 5W 2700K GU10 LED Bulbs
- 6 x Anti-Glare Grids (optional installation)
- 1 x Power Connector
- 1 x End Cap
- Mounting Hardware (screws and wall anchors)

4. SETUP AND INSTALLATION

The Ledvion track lighting system features a plug-and-play design for straightforward installation. Ensure power is disconnected before proceeding.

4.1 Mounting the Track Rails

1. **Plan Layout:** Determine the desired location for your track lighting. The system consists of two 1-meter track rails that can be connected to form a 2-meter length.
2. **Mark Drilling Points:** Hold the track rail(s) against the ceiling or wall and mark the positions for the

mounting screws. Ensure the marks are level and spaced appropriately for secure installation.

3. **Drill Holes:** Drill pilot holes at the marked positions. Insert wall anchors if necessary.
4. **Secure Track:** Attach the track rail(s) to the ceiling or wall using the provided screws. Ensure the track is firmly secured.

4.2 Connecting Power

1. **Install Power Connector:** Connect the power connector to one end of the track rail. Ensure the electrical wires from your power supply are correctly wired to the connector (Live, Neutral, Ground).
2. **Install End Cap:** Place the end cap on the opposite end of the track rail to cover the open track.

4.3 Attaching Spotlights

1. **Insert Bulbs:** Gently insert the GU10 LED bulbs into each spotlight fixture.
2. **Attach Spotlights to Track:** Align the spotlight adapter with the track groove. Push the spotlight into the track and rotate the locking mechanism to secure it in place.
3. **Position Spotlights:** Slide the spotlights along the track to your desired positions.

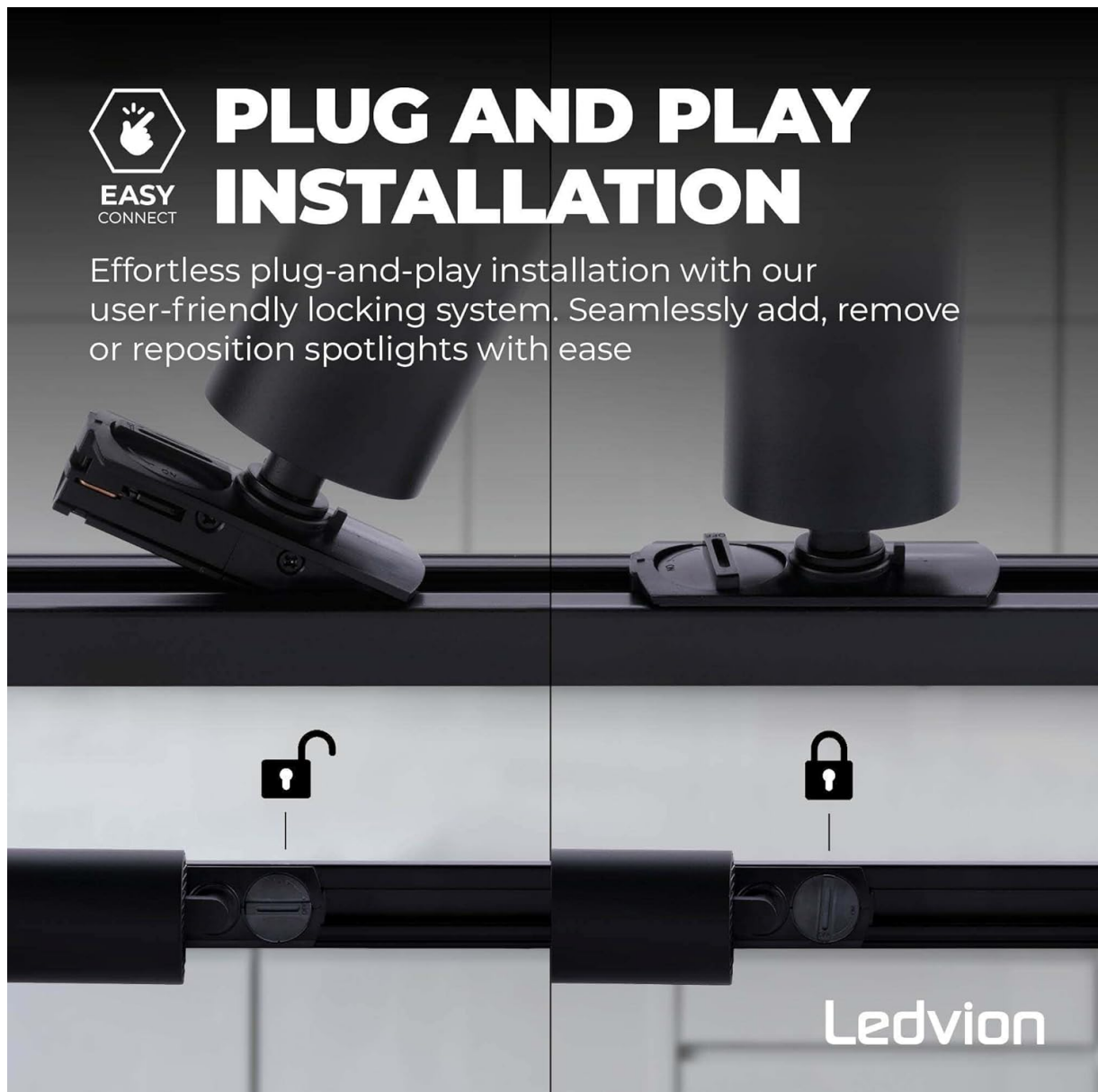


Image 4.1: Visual guide for the plug-and-play installation of spotlights onto the track.

5. OPERATION

Once installed, the Ledvion track lighting system is ready for use. Reconnect power at the main circuit breaker.

5.1 Adjusting Spotlights

Each spotlight can be individually adjusted to direct light precisely where needed:

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



Image 5.1: Illustration of the adjustable and rotatable features of the spotlights.

5.2 Dimming Functionality

The included 2700K LED bulbs are dimmable. To utilize the dimming feature, an external dimmer switch (not included) compatible with LED lighting must be installed in your electrical circuit.

6. MAINTENANCE

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

- **Cleaning:** Disconnect power before cleaning. Wipe the track and spotlights with a soft, dry cloth. Do

not use abrasive cleaners or solvents.

- **Bulb Replacement:** Disconnect power. Allow bulbs to cool completely. Gently twist and pull out the old GU10 bulb. Insert a new GU10 LED bulb, ensuring it is securely seated.
- **Inspection:** Periodically inspect the wiring and connections for any signs of wear or damage. If damage is found, disconnect power and consult a qualified electrician.

7. TROUBLESHOOTING

If you encounter issues with your Ledvion track lighting system, refer to the following common problems and solutions:

- **No Light:**
 - Check if the power supply is connected and the circuit breaker is on.
 - Ensure bulbs are correctly inserted and not faulty.
 - Verify spotlights are securely locked into the track and making proper contact.
- **Flickering Lights:**
 - Ensure bulbs are fully seated in their sockets.
 - If using a dimmer, ensure it is compatible with LED bulbs and properly installed.
 - Check for loose wiring connections.
- **Spotlight Not Moving Smoothly:**
 - Ensure the track is clean and free of obstructions.
 - Check if the locking mechanism is fully disengaged when attempting to move the spotlight.

For persistent issues, contact your retailer or a qualified electrician.

8. SPECIFICATIONS

Feature	Specification
Brand	Ledvion
Model Number	LVT10001_2m6s_2700K
Track Length	2 meters (2000 mm)
Spotlight Dimensions (approx.)	Height: 150 mm, Diameter: 50 mm
Material	Aluminum
Number of Spotlights	6
Bulb Type	GU10 LED
Power per Spotlight	5W
Total System Power	30W (6 x 5W)
Color Temperature	2700 Kelvin (Warm White)
Voltage	230 Volts

Dimmable	Yes (with external LED dimmer)
Installation Type	1-phase Track Mounting
Energy Efficiency Class	D
Energy Consumption	3 kWh/1000h



Image 8.1: Detailed dimensions of the track and spotlights.

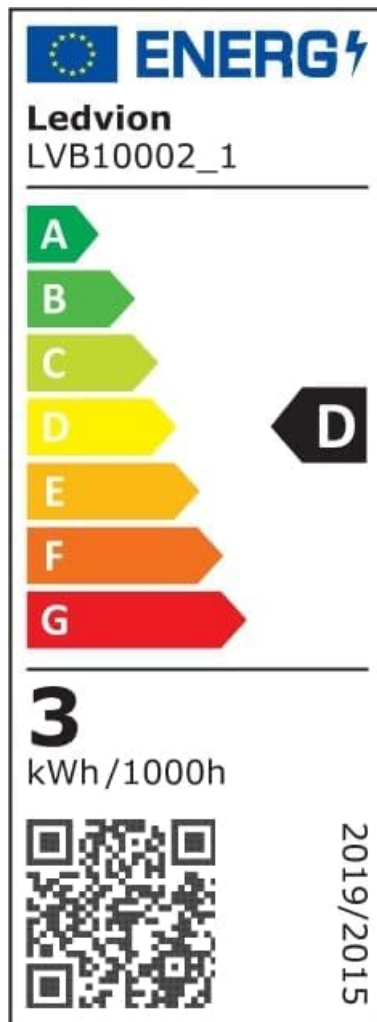


Image 8.2: Energy efficiency label for the product. For more details, visit the [EPREL database](#).

9. OPTIONAL ACCESSORIES

Enhance your Ledvion track lighting system with various optional accessories (sold separately) to expand functionality and customization.



OPTIONAL UPGRADES

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



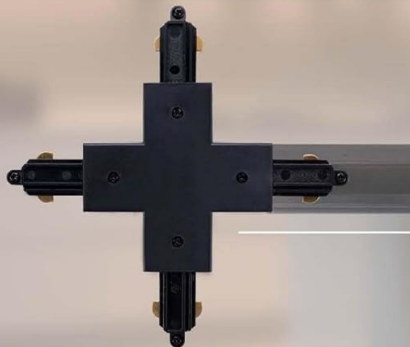
POWERFEEDER WITH COVERPLATE

SKU: LVT10019



POWERFEEDER WITH I-CONNECTOR

SKU: LVT10021



X-CONNECTOR

SKU: LVT10017



T-CONNECTOR

SKU: LVT10015



PENDANT SPOT ADJUSTABLE CORD

SKU: LVT10005

Image 9.1: Various optional accessories for expanding the track system.

- **Powerfeeder with Coverplate (SKU: LVT10019):** For additional power input points.
- **Powerfeeder with I-Connector (SKU: LVT10021):** For connecting multiple track segments with power.
- **X-Connector (SKU: LVT10017):** To create a cross-shaped track layout.
- **T-Connector (SKU: LVT10015):** To create a T-shaped track layout.
- **Pendant Spot Adjustable Cord (SKU: LVT10005):** To add hanging pendant lights to the track.

9.1 Anti-Glare Grid

An optional anti-glare grid is included with each spotlight to reduce glare and improve visual comfort. It can be easily added or removed as needed.



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

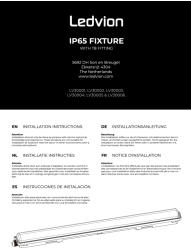
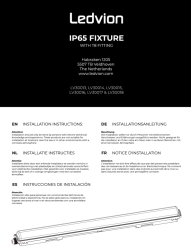
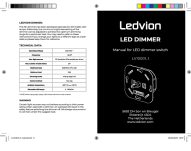

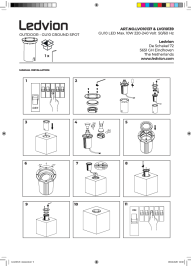

Image 9.2: The optional anti-glare grid for enhanced comfort.

10. WARRANTY AND SUPPORT

This Ledvion product is covered by a manufacturer's warranty. Please note the following:

- Any changes or modifications to the product will void the warranty.
- For warranty claims or technical support, please contact your original retailer or Ledvion customer service.

Related Documents - LVT10001_2m6s_2700K

	<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>
	<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 SMART WALL LAMP LV010037 - Setup, Installation & Safety Guide</p> <p>Comprehensive guide for the Ledvion SMART WALL LAMP (LV010037), covering setup, installation, electrical safety, and disposal. Learn how to connect and configure your smart WiFi + Bluetooth wall light.</p>