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› [Tecnolite YS-100/N Track Lighting Rail and YS-I/N Straight Connector Instruction Manual](#)

Tecnolite YS-100/N, YS-I/N

Tecnolite YS-100/N Track Lighting Rail and YS-I/N Straight Connector Instruction Manual

Model: YS-100/N (Track Rail), YS-I/N (Straight Connector) | Brand: Tecnolite

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1. PRODUCT OVERVIEW

This manual provides instructions for the Tecnolite YS-100/N 1-meter black track lighting rail and the YS-I/N black straight connector. These components are designed to create flexible and customizable lighting solutions for various indoor spaces, allowing you to arrange spotlights to highlight specific areas or objects.



Image 1.1: Full view of the Tecnolite YS-100/N 1-meter black track lighting rail, showcasing its

sleek design.

2. KEY FEATURES

- **Customizable Lighting:** The track rail system allows for creating personalized lighting layouts and extending the track to form larger circuits.
- **Durable Construction:** Manufactured with high-quality materials for long-lasting performance.
- **Standard Dimensions:** 1 meter (approximately 99.4 cm) in length.
- **Electrical Compatibility:** Operates on 100 - 240 V with a 3-wire / 1-phase system.
- **Expandable System:** Compatible with Tec nolite Y-200 2-meter track rails and YS-I (straight) and YS-L (L-shaped) connectors for versatile configurations.
- **Spotlight Compatibility:** Suitable for all Tec nolite track spotlights and most standard track spotlights available in the market. *(Note: Spotlights are not included with this product.)*
- **Easy Installation:** Features pre-drilled holes for simple and secure ceiling mounting.
- **Aesthetic Design:** Available in black (and white for other models) to complement various interior designs, adding visual rhythm and elegance.



Image 2.1: Infographic highlighting key features such as suitability for track systems, 99.4 cm length, indoor installation, 100-240V voltage, robust construction, and 1-year warranty.

3. PACKAGE CONTENTS

The package includes:

- 1 x TecnoLite YS-100/N Track Lighting Rail (1 meter, Black)
- 1 x TecnoLite YS-I/N Straight Connector (Black)

Note: Spotlights and additional connectors (e.g., L-shaped) are sold separately.



Image 3.1: The TecnoLite YS-I/N black straight connector, used to join two track rails.

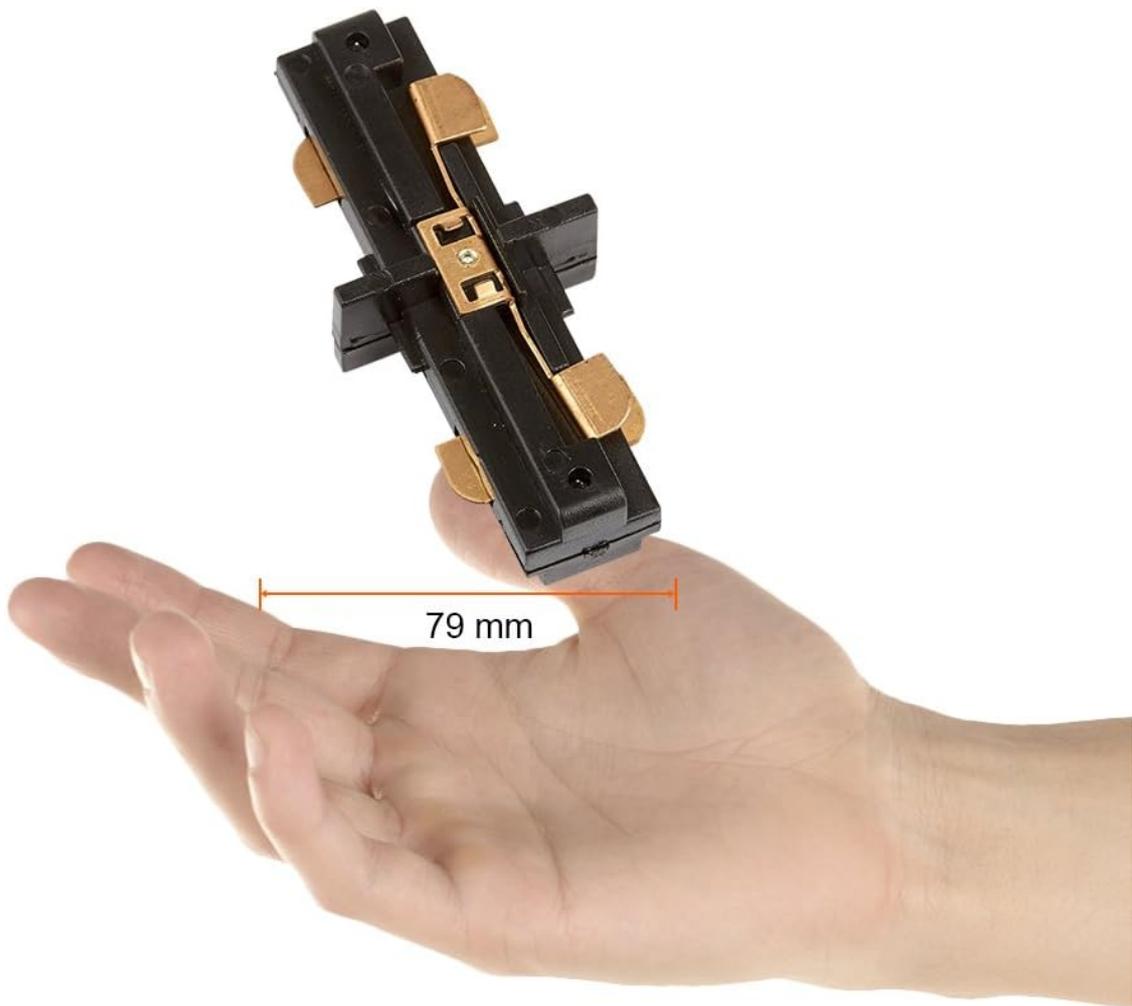


Image 3.2: A hand holding the YS-I/N straight connector, demonstrating its compact size of 79mm.

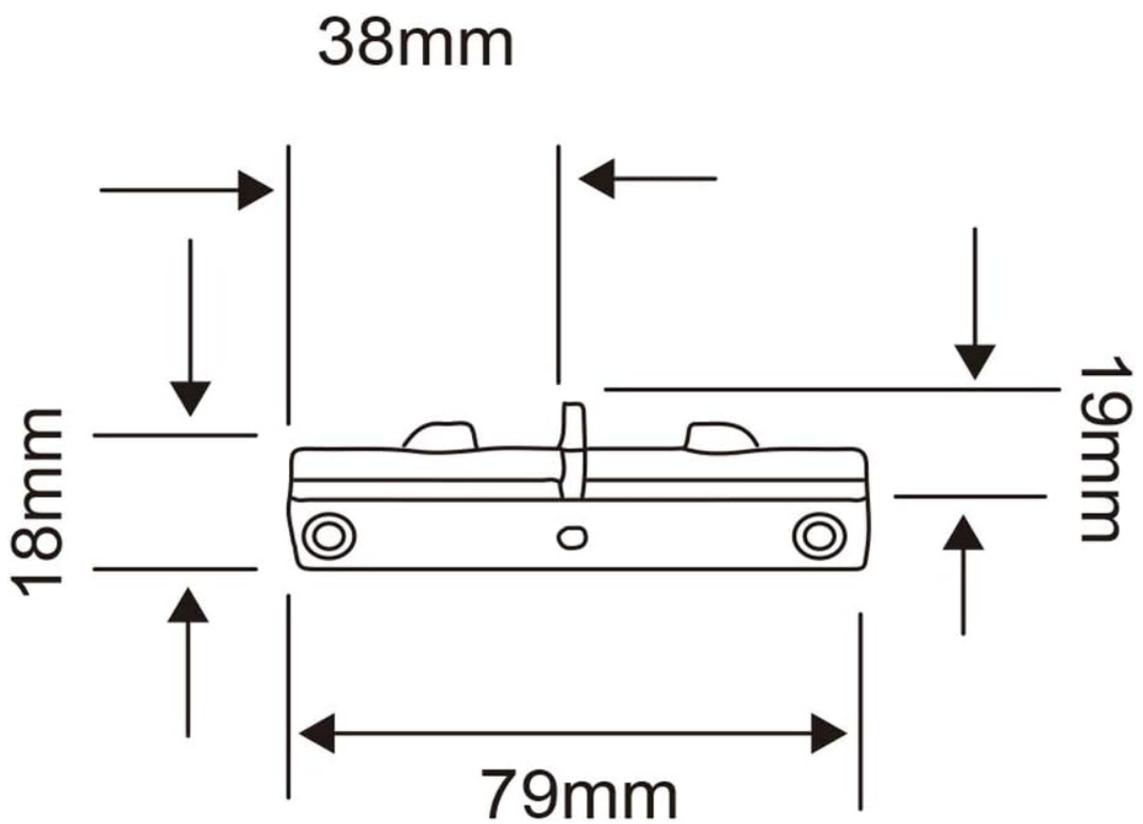


Image 3.3: Technical drawing providing precise dimensions of the YS-I/N straight connector.

4. INSTALLATION GUIDE

Safety First: Before beginning any installation, ensure the power supply to the installation area is turned off at the circuit breaker. If you are unsure about electrical wiring, consult a qualified electrician.

4.1. Mounting the Track Rail

1. **Plan Layout:** Determine the desired layout for your track lighting system on the ceiling. Mark the positions for the track rails and any connectors.
2. **Position Track:** Hold the YS-100/N track rail against the ceiling at the marked position.
3. **Mark Drilling Points:** Use the pre-drilled holes on the track rail as a template to mark the drilling points on the ceiling.
4. **Drill Holes:** Drill appropriate holes in the ceiling for mounting screws. Insert wall anchors if necessary.
5. **Secure Track:** Fasten the track rail to the ceiling using suitable screws. Ensure it is securely mounted and level.
6. **Electrical Connection:** Connect the track rail to the main power supply. This typically involves connecting the live, neutral, and ground wires. Ensure all connections are secure and insulated.

4.2. Connecting Multiple Track Rails (Using YS-I/N Straight Connector)

If you are extending your track system or creating specific shapes, use the YS-I/N straight connector:

1. **Align Rails:** Position two YS-100/N track rails end-to-end where they need to be joined.
2. **Insert Connector:** Slide the YS-I/N straight connector into the ends of both track rails. Ensure the electrical contacts align properly.
3. **Secure Connection:** The connector should fit snugly. Some connectors may have small screws to further secure them to the track. Tighten if applicable.
4. **Repeat:** Continue this process for all additional track segments and connectors (e.g., YS-L for L-shapes) to complete your desired layout.

4.3. Installing Spotlights (Sold Separately)

Once the track system is installed and wired, you can attach compatible track spotlights:

1. **Align Spotlight:** Align the spotlight's adapter with the track slot.
2. **Insert and Twist:** Insert the adapter into the track and twist it to lock it into place. Ensure it makes proper electrical contact.
3. **Adjust Position:** Slide the spotlight along the track to its desired position and adjust its direction as needed.

Installation Video (Similar Product)

The following video demonstrates the unboxing and general installation process for a similar track lighting rail system. While the model number may differ, the principles of installation are largely the same.

Video 4.1: Unboxing and installation overview for a track lighting rail (model TL-5100), provided by Illux de México (Seller). This video illustrates how to handle and prepare a track

5. OPERATION

Once the track lighting system is fully installed and spotlights are attached, restore power to the circuit. The lights can then be operated via the wall switch connected to the track system. Individual spotlights can often be adjusted in direction to illuminate specific areas.

6. CARE AND MAINTENANCE

- **Cleaning:** To clean the track rails and connectors, wipe them with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the finish.
- **Power Off Before Cleaning:** Always turn off the power to the track lighting system before cleaning or performing any maintenance.
- **Check Connections:** Periodically check that all track segments and spotlights are securely connected and that mounting screws are tight.
- **Bulb Replacement:** When replacing spotlights or bulbs (if applicable), ensure the power is off and use compatible replacements.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power to the circuit. Loose electrical connection. Faulty spotlight/bulb.	Check circuit breaker. Verify all wiring connections are secure (power off first). Test with a known working spotlight/bulb.
Lights flicker.	Loose connection at track or spotlight. Incompatible spotlight/bulb.	Ensure spotlights are properly seated and twisted into the track. Check electrical connections (power off first). Use recommended spotlights/bulbs.
Track segments do not connect properly.	Connector not fully inserted. Debris in track slot.	Ensure connector is fully pushed into both track ends. Inspect track slots for any obstructions and clear them.

8. PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	Tecnolite
Model (Track Rail)	YS-100/N

Attribute	Detail
Model (Straight Connector)	YS-I/N
Color	Black
Material	Plastic
Finish Type	Painted
Style	Modern
Pattern	Track + Tecnolite Straight Connector
Shape	Round (referring to overall system flexibility)
Power Source	Corded Electric
Bulb Type (Compatible)	Track spotlights
Plug Profile	Ceiling Mount
Batteries Included	No
First Available	March 1, 2023

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This Tecnolite product comes with a **1-year warranty** against manufacturing defects. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

9.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Tecnolite customer service through their official website or the retailer where the product was purchased. Have your product model number and purchase date ready when contacting support.