LYNX T6-6 LED WARNING LIGHT

PROFESSIONAL INSTALLATION MANUAL

IMPORTANT NOTICE

This manual applies only to the Lynx T6-6 LED Warning Light. Installation and control information below is based on the supplied Lynx T6-6 wiring schematic and product image.

This warning device is intended to improve vehicle visibility. The use of warning lighting does not guarantee that other motorists or pedestrians will see or react to the signal. The operator remains responsible for safe vehicle operation at all times.

Improper installation, incorrect wiring, or unsecured mounting may result in reduced performance, product damage, vehicle damage, or personal injury.

WARNINGS AND NOTICES FOR USERS AND INSTALLERS

- Read this manual fully before installation and use.
- Inspect and bench-test the unit before final installation.
- Do not operate the unit with exposed or unprotected wiring.
- Route all wiring away from sharp edges, heat sources, and moving components.
- Do not install wiring or controls in airbag or SRS deployment zones.
- Do not assume warning lighting grants right of way.

SAFETY WARNINGS

- Do NOT look directly into illuminated LEDs at close range.
- Disconnect vehicle power before making or changing wiring connections.
- Use a 10 A fuse for one Lynx T6-6. The optional cigarette-lighter plug includes a fuse; hardwired installation requires a separately supplied 10 A fuse and fuse holder.
- Do not open or modify the light housing.
- Secure all wiring with loom, grommets, and cable ties where appropriate.
- Confirm that the selected light color and operating mode comply with applicable laws before use.

NOTICE LIABILITY

Manufacturer assumes no liability for improper installation, incorrect wiring, misuse, or operation that does not comply with applicable law.

The user and installer are responsible for proper mounting, correct wiring, safe operation, and legal compliance.

LEGAL COMPLIANCE

Before operating this light, confirm that the selected color and flash pattern comply with your local and state laws. Visit the State Statutes Knowledge Base for complete details.

MAINTENANCE

- Clean the lens with water and a soft cloth only.
- Do not use pressure washers, harsh solvents, or abrasive cleaners.
- Inspect wiring and mounting security regularly.
- Test all operating functions before each use where practical.

LYNX T6-6 LED WARNING LIGHT



PRODUCT OVERVIEW

Item	Specification
Model	Lynx T6-6
Product Type	Compact LED warning light
Dimensions	27" x 2" x 1.5"
Weight	3.4 lbs
LED Count	36 LEDs
LED Rating	3-Watt LEDs
Lens Type	TIR
Flash Patterns	36
Memory	Dual Memory with 2 saved patterns
Max Amp Draw	1 A flashing; 5 A steady-on at 12V
IP Rating	IP67 light heads and housing; optional circuit-board waterproofing brings board to IP67
Power Input	12V nominal; 12–18V DC only. Do not connect to 24V.
Power Connection	Hardwire standard; optional fused cigarette-lighter plug sold separately
Control Leads	Mode, Memory 1, Memory 2, SYNC
Ground	GND lead
Synchronization	Current Lynx T6 and L6 lights

KEY FEATURES

- Compact dual-module LED warning-light design
- Dedicated Mode control lead
- Two separate memory control leads
- Synchronization control lead
- 12–18V DC power input with dedicated ground (12V nominal)

INCLUDED / CONNECTION COMPONENTS

- Lynx T6-6 LED Warning Light
- Attached wiring harness
- Optional cigarette-lighter plug / switch assembly (sold separately)

PRE-INSTALLATION AND BENCH TESTING

1. Inspect the housing, lenses, cable, and harness for shipping or handling damage.
2. Confirm the harness connector is fully seated before applying power.
3. Connect GND and +12V to a protected 12–18V DC source (12V nominal). Use a 10 A fuse for one unit. The fuse is included with the optional cigarette-lighter plug, but not with the hardwire unit.
4. Verify the unit powers on through the hardwired connection or optional cigarette-lighter plug, as applicable.
5. Verify MODE, MEMORY 1, MEMORY 2, and SYNC using the intended controller before final installation. The selected pattern saves automatically.
6. Plan mounting and wire routing before securing the unit to the vehicle.

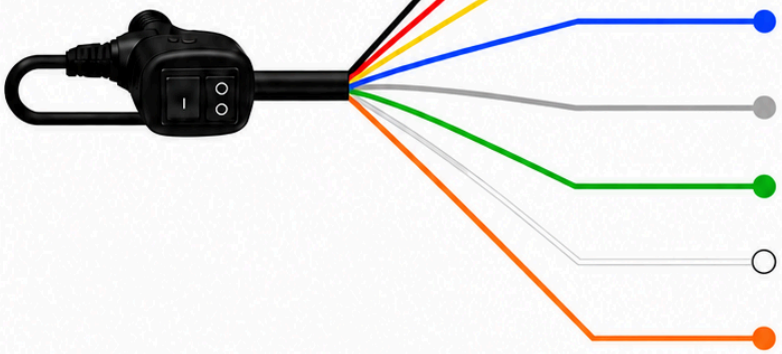
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WIRING / CONTROL INFORMATION

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WIRING / CONTROL INFORMATION

WIRING DIAGRAM



- **GND (Black)** — Connect to vehicle chassis ground (–)
- **+12V (Red)** — Connect to 12–24V DC positive (+)
- **MODE (Yellow)** — Momentary trigger to change flash pattern (Active High)
- **ALT (Blue)** — Momentary trigger for alternate function (Active High)
- **MEMORY 1 (Gray)** — Momentary trigger to recall saved pattern 1 (Active High)
- **MEMORY 2 (Green)** — Momentary trigger to recall saved pattern 2 (Active High)
- **SYNC (White)** — Connect to another unit's SYNC wire to synchronize flash patterns
- **DATA (Orange)** — Not used – Insulate and secure

WIRE FUNCTION REFERENCE

WIRE COLOR	FUNCTION
Black	GND – Connect to vehicle chassis ground (–)
Red	+12V – Connect to 12–24V DC positive (+)
Yellow	MODE – Momentary trigger to change flash pattern (Active High)
Blue	ALT – Momentary trigger for alternate function (Active High)
Gray	MEMORY 1 – Momentary trigger to recall saved pattern 1 (Active High)
Green	MEMORY 2 – Momentary trigger to recall saved pattern 2 (Active High)
White	SYNC – Connect to another unit's SYNC wire to synchronize flash patterns
Orange	DATA – Not used – Insulate and secure

OPTIONAL CIGARETTE ADAPTER (SOLD SEPARATELY)



Plug the cigarette adapter into a 12V DC power outlet.

- Press the ON/OFF switch to turn the light bar ON or OFF.
- Press the PATTERN/MODE button to advance to the next flash pattern.

Note: Memory 1, Memory 2, and SYNC functions are not available when using the cigarette adapter.

TROUBLESHOOTING GUIDE

ISSUE	POSSIBLE CAUSE	SOLUTION
Light bar does not power on	No power or poor ground connection	Check +12V, ground, and fuses
Light bar turns on but does not respond to MODE / MEMORY inputs	Input wires not connected or not receiving ground trigger	Verify wire connections and provide momentary ground (Active High)
Light bar not syncing with other units	SYNC wire not connected	Connect SYNC (White) wire between all units
Cigarette adapter not working	Loose connection or power outlet issue	Check outlet fuse and adapter connection

For technical support, warranty information, and additional resources, please refer to the last page of this manual.

INSTALLATION GUIDELINES

- Select a mounting location that provides clear outward visibility and does not obstruct vehicle operation.
- Mount only to a structurally sound surface using hardware appropriate for the vehicle and application.
- Inspect both sides of the mounting surface before drilling.
- Use grommets at all wire pass-through holes.
- Protect exposed wiring with loom and secure it with cable ties.
- Confirm the light is secure and wiring is protected before placing the vehicle in service.

OPERATION

- Power the unit from a 12V nominal, 12–18V DC source. The optional cigarette-lighter plug includes a fuse, Dual Memory switch, and pattern button. Hardwiring requires a separately supplied 10 A fuse and fuse holder.
- On a hardwired installation, apply a momentary active-high +12V trigger to the yellow MODE lead to cycle patterns. Left, right, and center-out are built-in selectable patterns; no separate directional wire or switch is used.
- On a hardwired installation, momentarily apply active-high +12V to the MEMORY 1 or MEMORY 2 lead to recall its saved pattern. The selected pattern saves automatically.
- The white SYNC lead supports synchronization with current Lynx T6 and L6 lights. It is unavailable when using the optional cigarette-lighter plug.

MEMORY FUNCTIONS

The hardwire harness provides separate MEMORY 1 and MEMORY 2 leads for two saved patterns. Momentarily apply active-high +12V to the applicable lead to recall its saved pattern. The optional cigarette-lighter plug has a built-in Dual Memory switch.

MODE, MEMORY 1, and MEMORY 2 use momentary active-high +12V triggers. Do not connect these control leads directly to ground. The optional plug uses its built-in controls; external control leads are for hardwired installations.

SYNCHRONIZATION

The white SYNC lead connects current Lynx T6 and L6 lights. Protect connections from vibration and moisture; the optional plug does not provide SYNC.

Do not connect the SYNC lead to vehicle power or ground unless a compatible controller or model-specific diagram specifically calls for that connection.

FLASH PATTERN INFORMATION

The Lynx T6-6 has 36 selectable flash patterns. Use the MODE control to cycle patterns on a hardwired installation; the optional plug has a built-in pattern button. Left, right, and center-out are built-in patterns, not separate wires or switches. The selected pattern saves automatically.

Control Capabilities

- 36 selectable patterns, including built-in left, right, and center-out patterns
- Dual Memory stores two selected patterns; selection saves automatically
- Multi-unit synchronization through the SYNC lead

FINAL INSTALLATION CHECK

7. Confirm the light housing is securely mounted.
8. Confirm GND and +12V connections are secure, protected, and connected to a 12–18V DC source (12V nominal).
9. Confirm no wiring is pinched, exposed, or routed near heat or moving components.
10. Verify Mode and memory-control functions.
11. If multiple compatible units are synchronized, verify all units operate together correctly.
12. Confirm legal compliance before placing the vehicle in service.

WARRANTY & SUPPORT

Product help: customerservice@extremetacticaldynamics.com | Orders/accessories/fleet: 1-888-893-3308