

TRX & TRT IR

TOMAR's multi-function TRX and TRT IR Series is the answer to **industrial-strength, flexible lighting solutions**, optimized for military and government applications. With the ability to combine White; Amber; and IR light in the TRX Series; and White; IR; and Warning light in the TRT Series, TOMAR has the **high-strength solution** needed to accomplish the mission.

Performance Through Engineering:

Starting with industry-leading Cree® XPL LEDs for **maximum performance and reliability** for visible light; and LumiLEDs® Luxeon Series 940nm infrared LEDs, the TRX Series is a proven performer in the harshest environments. To maximize the effectiveness of every LED, TOMAR employs a **hybrid TIR collimator optic design**, rather than a reflector behind, which does not effectively capture the illuminating power of the LED. This results in dramatically increased performance and less stray light. It also gives the ability to have **fully dual-color SAE-compliant options**, such as a white-light and IR bar for clear conditions, which overrides to amber light for reduced glare in fog, rain, dust, smoke, etc, as found in the TRX IR Series.

Patented hermetically-sealed lightbar modules protect the vital components from dust and moisture. The module layouts are supported by an industry-leading 6063-T5 aluminum heat sink, designed to effectively cool the LEDs. Cooler LEDs perform better, and result in consistent illumination for a longer duration. It also **increases the longevity and reliability** of the lightbar itself. The modular design allows users to easily service or customize the performance to meet the demands of your mission.

Like all TOMAR products, TRX and TRT are designed, engineered, assembled, and serviced in our **state of the art, ENERGY STAR** certified factory located in Gilbert, Arizona, USA, and come with **no hassle 5 year warranties**.

TOMAR's TRX and TRT Infrared (multi-function) off-road lightbars are designed and built to be both **extremely rugged and reliable** for the United States Military; Special Forces; DoD; and First Responders. For flexibility to meet the mission parameters of varying assets, TOMAR has engineered two sets of **multi-function infrared lightbars**:

The **TRX Line** is focused on illumination. This bar functions in nearly any environment you can think of, with its ability to adapt to the surroundings. Featuring **intense white light** for clear conditions; **full amber-override** for reduced glare in fog, rain, dust, smoke, etc; and **940nm infrared light** for covert operations.

TOMAR TRX Dual-Color Infrared Line

Illumination Line: White, Amber, Infrared

Functionality:

- **Group 1** all white lights steady burn
- **Group 2** all IR lights steady burn
- **Group 3** all amber lights steady burn (all modules, override priority)
- **Group 4** all amber lights flash (all modules)

10" - TRX-10C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



15" - TRX-15C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



20" - TRX-20C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



25" - TRX-25C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



35" - TRX-35C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)



45" - TRX-45C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)



50" - TRX-50C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)



60" - TRX-60C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)



The TRT Line is about mission adaptability between warning and illumination. This bar maintains the ability to project intense white light or 940nm infrared light; but can also function as a SAE-compliant warning lightbar, which also meets CA Title 13 standards for 50-state compliance.

TOMAR TRT Warning and Infrared Line

Warning Line: White, Red/Blue Warning, Infrared

Functionality:

- **Group 1** all white lights steady burn (override priority)
- **Group 2** all IR lights steady burn
- **Group 3** all warning lights flash (all modules) with optional California-steady
- **Group 4** all warning modules steady burn (all modules)

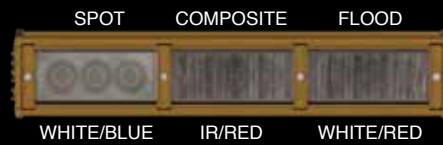
10" - TRT-10C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



15" - TRT-15C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



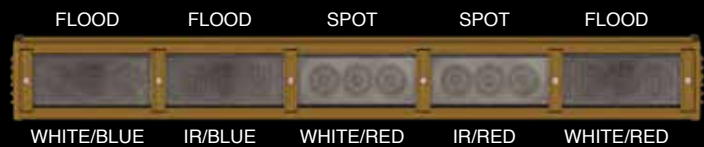
20" - TRT-20C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



25" - TRT-25C-IR-1*

(*Housing: Use "T" for Tan, "B" for Black)



35" - TRT-35C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)



45" - TRT-45C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)



50" - TRT-50C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)



60" - TRT-60C-IR-1* (*Housing: Use "T" for Tan, "B" for Black)





TOMAR TRT Warning and Infrared Line

Warning Line:
White, All Red OR All Blue Warning

Functionality:

- **Group 1** all white lights steady burn (override priority)
- **Group 2** all IR lights steady burn
- **Group 3** all warning lights flash (all modules) with optional California-steady
- **Group 4** all warning modules steady burn (all modules)

10" - TRT-10C-IR-2* (Use -3 for all Blue)
(*Housing: Use "T" for Tan, "B" for Black)



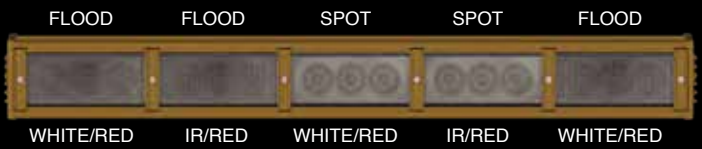
15" - TRT-15C-IR-2* (Use -3 for all Blue)
(*Housing: Use "T" for Tan, "B" for Black)



20" - TRT-20C-IR-2* (Use -3 for all Blue)
(*Housing: Use "T" for Tan, "B" for Black)



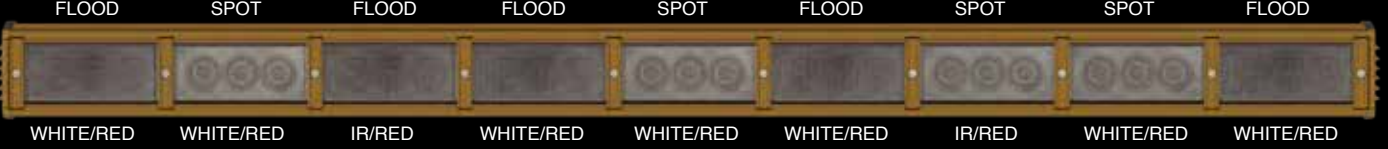
25" - TRT-25C-IR-2* (Use -3 for all Blue)
(*Housing: Use "T" for Tan, "B" for Black)



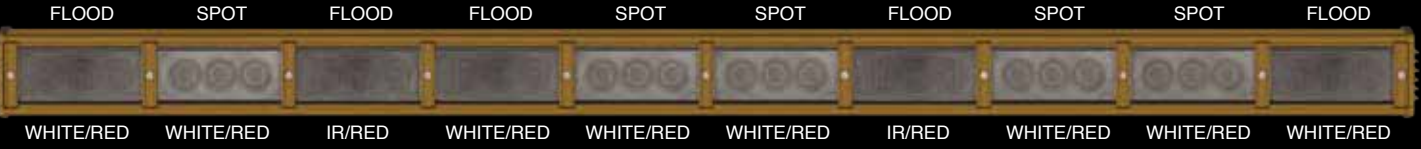
35" - TRT-35C-IR-2* (Use -3 for all Blue) // (*Housing: Use "T" for Tan, "B" for Black)



45" - TRT-45C-IR-2* (Use -3 for all Blue) // (*Housing: Use "T" for Tan, "B" for Black)



50" - TRT-50C-IR-2* (Use -3 for all Blue) // (*Housing: Use "T" for Tan, "B" for Black)



60" - TRT-60C-IR-2* (Use -3 for all Blue) // (*Housing: Use "T" for Tan, "B" for Black)





TOMAR TRX Single-Color Infrared Line

Illumination Line: White, Infrared

Functionality:

- **Group 1** all white lights steady burn
- **Group 2** all IR lights steady burn
- **Group 3** all white lights flash S.O.S.
- **Group 4** single module driving lamp

10" - TRX-10C-IR-0*

(*Housing: Use "T" for Tan, "B" for Black)



15" - TRX-15C-IR-0*

(*Housing: Use "T" for Tan, "B" for Black)



20" - TRX-20C-IR-0*

(*Housing: Use "T" for Tan, "B" for Black)



25" - TRX-25C-IR-0*

(*Housing: Use "T" for Tan, "B" for Black)



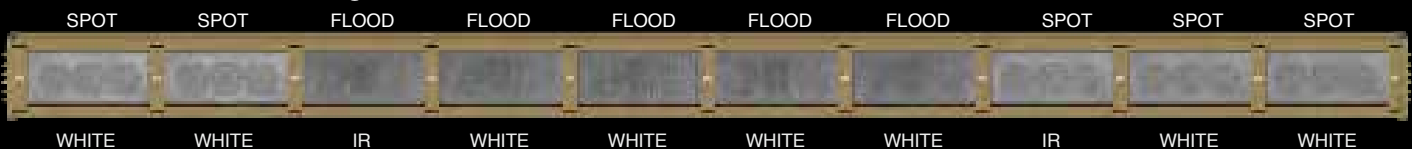
35" - TRX-35C-IR-0* (*Housing: Use "T" for Tan, "B" for Black)



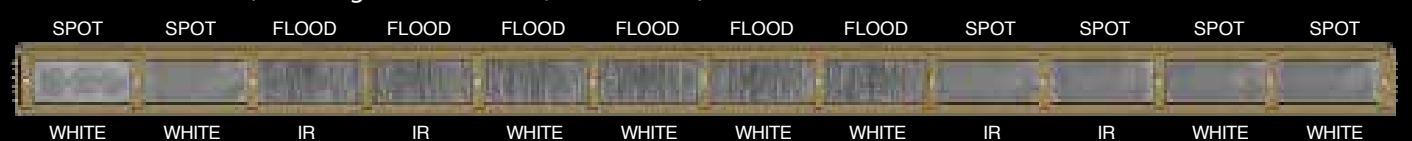
45" - TRX-45C-IR-0* (*Housing: Use "T" for Tan, "B" for Black)



50" - TRX-50C-IR-0* (*Housing: Use "T" for Tan, "B" for Black)



60" - TRX-60C-IR-0* (*Housing: Use "T" for Tan, "B" for Black)



FEATURES

- Multi-function modes individually activated:
 - TRX gives all-modules amber light for low-visibility environments; intense white light for illumination; or stealth illumination with IR
 - TRT gives all-modules SAE compliant warning in steady burn or up-to 20 programmable flash patterns, each with 8 selectable flash rates; intense white light for illumination; or stealth illumination with IR
- Field-interchangeable lamp modules
- **Heavy-duty 6063-T5 aluminum chassis**
- Programmable flash patterns meet 50-state compliance
- IP69K Rating for water and dust-proof components
- Available in lengths: 25", 35", 45", 50", and 60"
- **Rugged black anodize or matte tan powder-coat finishes**
- **Patented linear vibration welded** light modules eliminate the need for failure-prone rubber sealing agent
- Current draw: .85 amps @ +12.8VDC per IR module
.46 amps @ +24VDC per IR module
- Projected beam angles:
 - Visible light Spot 6.5°, Flood 85°
 - IR light Spot 8.5°, Flood 90°
- Hard-Coated Lexan lenses to increase lens durability



All TRX lamp modules are interchangeable and can offer the flexibility to configure a lightbar for any dual color amber/white modules.

Heavy-duty 6063-T5 aluminum extrusion with large cooling fins for maximum heat dissipation

Cast aluminum end caps with machined threads for mounting bracket attachment.

Cree®'s latest high output XPL LEDs for maximum intensity



or gathers the light directs and focuses the into a parallel beam

Optically clear Lexan® lenses provide maximum light transmission and beam angle control



HIGH-POWER 940 NANOMETER INFRARED LEDS

