

STR Series

LED Blank-out Traffic Signs



See the Light (or don't)!

The STR Series is our direct-view, LED blank-out signs for traffic and other outdoor applications. These signs are an excellent choice for single-purpose messaging: the LEDs are illuminated and create the sign's message when needed, and "blank out" or disappear when not. These signs feature a black message face and a protective 0.125-inch smoked, matte, impact-modified acrylic panel that provides anti-glare visibility and durability.

The messages of these signs are formed by illuminating high-intensity, super-bright, direct-view LEDs in a pattern (any number, letter, or phrase, and virtually any symbol can be created) against the sign's black face. When the LEDs (available in white, blue, green, amber, and red) are illuminated, the message is readable, even in direct sunlight. When the LEDs are off, the sign's face only displays only the black backdrop. STR signs are controlled with a switch, Signal-Tech Sign Control Software (Smart Signs), or an external relay. And with the LEDs' expected lifetime of 50,000 to 100,000 hours, you can rest assured your STR sign will function flawlessly for years to come.

These signs will face extreme elements – rain, snow, snowmelt, humidity, dust, and temperature swings – so they feature a 1-piece, corrosion-resistant, extruded aluminum frame. The cabinet and sign components can operate at temperatures between -40°F and +165°F and humidity ranges from 0 to 99 percent and are IP55/NEMA 3RX rated. The sign cabinet comes standard with an electronically applied Quaker Macroflex Black finish, with custom paint colors available.

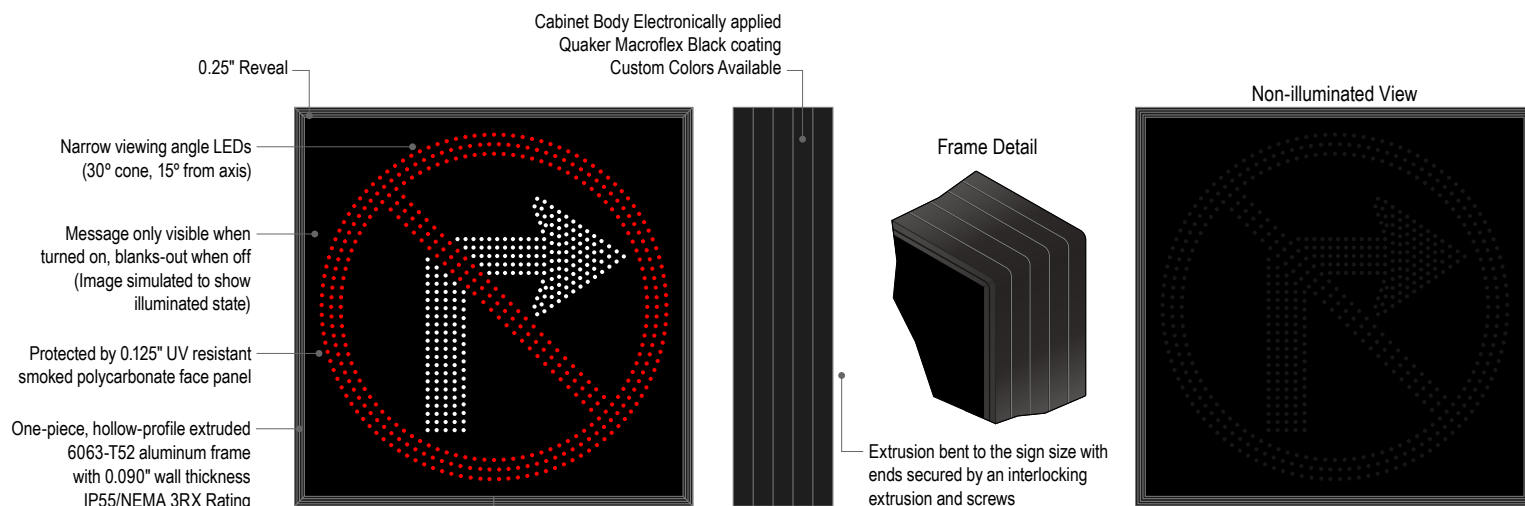
The STR series is available in several sizes, many of which comply with MUTCD guidelines, and voltage options to fit your unique needs. Several mounting options are also available, including Lift'N Shift, Dual Angle Surface Mount, SkyBracket Mast Arm, and SkyBracket Span-Wire. The Signal-Tech STR Series signs are a great choice when passersby need to see the light of illuminated safety and/or directional messaging (or don't)!

Call for Quote
877-547-9900

Signal-Tech
signal-tech.com

STR Series Specs

LED Blank-out Traffic Signs



Outdoor/indoor blank-out signs with an IP55/NEMA 3RX cabinet, narrow angle LEDs and contrasting black face. The sign message is formed by visible LEDs that illuminate when activated and blank-out when deactivated.

Illumination

- Narrow viewing angle LEDs (30° cone, 15° from axis)
- Optional: Wide viewing angle LEDs (120° cone, 60° from axis)

LED Message Colors/Brightness

- Red, Amber, Green, Blue or White

LED Color (Typ. λ/Temp)	Viewing Angle: Narrow (Typ. mcd)	Viewing Angle: Wide (Typ. mcd)
Red (625nm)	3750	660
Amber (589nm)	3900	780
Green (525nm)	7500	1200
Blue (470nm)	1500	210
White (5500K - 6500K)	3750	1375

Message Face

- Black message face and protective 0.125" smoked, matte impact modified acrylic panel
- Message illuminates when on and blanks-out (disappears) when off

Control

- Switch, Signal-Tech Sign Control Software or external relay

Electrical

- Input voltage: 120-277VAC or 12-24VDC
- Integrated automatic photo-dimming, ambient IR sensors on the sign board allows for automatic, gradual adjustment of LED output levels
- UL/cUL Listed for wet locations

Power Supply

- Typical power supply efficiency (@120VAC 50% rated load): 81%
- The power supply shall not be loaded beyond its rated safe operating range
- Power supply redundancy available upon request

Internal Wiring

- Internal wiring shall use drip loops
- All connections made to sign during installation shall conform to the National Electric Code and local code

Cabinet Construction

- Body: One-piece, hollow-profile extruded 6063-T52 aluminum frame with a 0.090" wall thickness
- The extrusion bends to the sign size with ends secured together by an interlocking

- extrusion and screws, holding the display board and face material captive
- Face: 0.125" smoked matte impact modified acrylic panel

Lifting Hardware

- When needed, multiple galvanized steel lifting eyebolts may be mounted to the top of the cabinet (by others)

Cabinet Depth

- Single Faced: 6" deep

Cabinet Finish

- Standard: Electronically applied Quaker Macroflex Black coating
- Options: Custom paint colors or color matched paint

Cabinet Interior (physical)

- Conformal coated circuit board and power supplies, moisture-absorbent interior coating, weep holes for drainage, sealed/closed-end fasteners used for optional, installed mounting interface

Back Panel

- Formed from 0.125" aluminum sheeting and attached to sign frame with either a riveted piano hinge for span-wire mounting with two toolless compression locks, or surface mounting with our standard Lift'N Shift construction.

Mounting

- Lift'N Shift sign back offers built in wall mounting
- Additional mounting can be purchased separately: SkyBracket Mast Arm Mounting Assembly, SkyBracket Span-wire Mounting Assembly

Temperature and Humidity Ratings

- The cabinet and sign components shall operate in the following temperature and humidity conditions
- Operational & storage temperature range: -40°F to +165°F
- Humidity range: 0% to 95% (non-condensing)

IP/NEMA Rating

- IP55/NEMA 3RX

Accessories

- Audible Alarm, Hood/Visor, Message Flashing

Warranty

- 5 Years

Engineered and Assembled

- USA