

LED-ENHANCED WARNING ALERTS

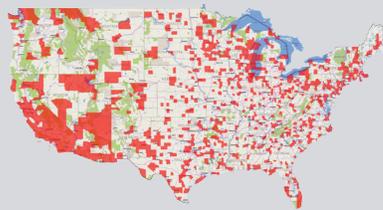




As an industry-leading innovator, TAPCO manufactures, services and distributes a wide portfolio of traffic and parking safety solutions designed to increase safe travels for all. Since 1956, we have set the standard for delivering reliable, cutting-edge traffic safety enhancements. From our world-renowned line of LED-enhanced BlinkerSign® solutions to our pedestrian crossing products and early detection warning systems, safety is at the heart of all TAPCO innovations.

Generations of Expertise

Working alongside traffic professionals for more than 60 years gives our team an exclusive perspective on the past, present and future needs of the traffic and parking safety industry.



A Nationwide Reach

With successful solution installations throughout all 50 states, we understand the safety concerns communities face across the nation.

Innovative, Smart City Technology

Our mission is to continue to lead the industry with an innovative, customer-focused approach that evolves with the technological demands of our customers.



Award-Winning Mindset

As a family-owned company, we take pride in establishing and maintaining our innovative culture.

Table of Contents

BlinkerSign® Solutions.....4-7

**BlinkerSign® Flashing
LED Sign.....4**

Ruggedized BlinkerSign®.....5

Indoor BlinkerSign®.....6

Custom BlinkerSign®.....7

LegendViz™.....8-9

Traffic Sign.....8

BlinkerSign®.....9

**LED-Enhanced Warning
Alerts.....10-14**

**BlinkerBeacon™ Flashing
LED Beacon.....10-11**

**RRFB: Rectangular Rapid
Flashing Beacons.....12**

**RFB: Rapid
Flashing Beacons.....13**

In-Road Warning Lights.....14

Power and Control Options.....15

TAPCO Solutions.....16



Roadway Safety: A Concern for All

Year after year, motor vehicle crashes impact thousands of families nationwide. In 2019 alone, more than 36,096 lives were lost on U.S. roads. As these fatal collisions continue to plague our roadways, traffic professionals are challenged with reducing risk factors with innovative safety solutions specifically designed to protect lives.

Common Motor Vehicle Crash Factors



Impaired Driving

The leading cause of death on U.S. roadways, drunk driving claims an average of 28 lives per day. With their line of sight narrowed, impaired drivers are unable to respond to their surrounding environment and static road signs.



Distracted Driving

Responsible for 2,800 traffic fatalities on U.S. roadways in 2018, distracted driving creates enormous potential for collisions — specifically for teens and young drivers.



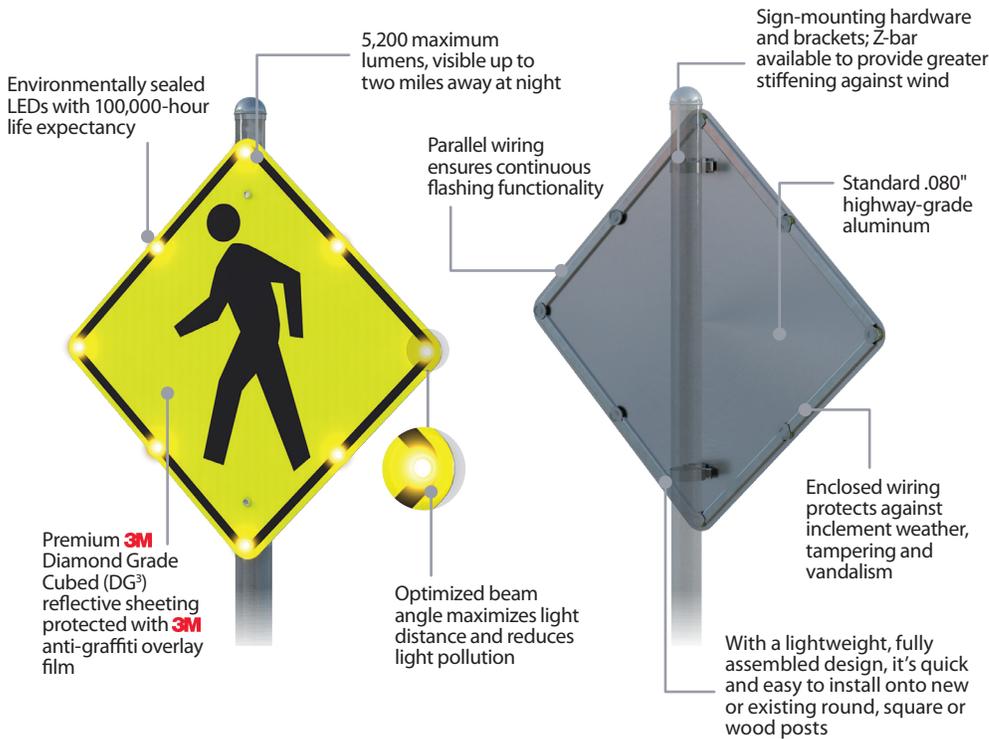
Low-Visibility Conditions

More than 16,300 people are injured annually in the United States due to low-visibility crashes. Keeping traffic signs visible in fog, heavy precipitation, dust and smoke is critical to minimizing fatal collisions.

BLINKERSIGN® SOLUTIONS

BLINKERSIGN® FLASHING LED SIGN

BlinkerSign® Flashing LED Signs are edge-lit signs engineered to capture road users' attention and increase compliance. The amount of LEDs used depends on the sign face.



MUTCD COMPLIANT

- MUTCD compliant and flashes in accordance with MUTCD section 2A.07

HIGH QUALITY, MADE IN THE USA

- Manufactured in Brown Deer, Wisconsin, each BlinkerSign® is built to last

VARIABLE DIMMING

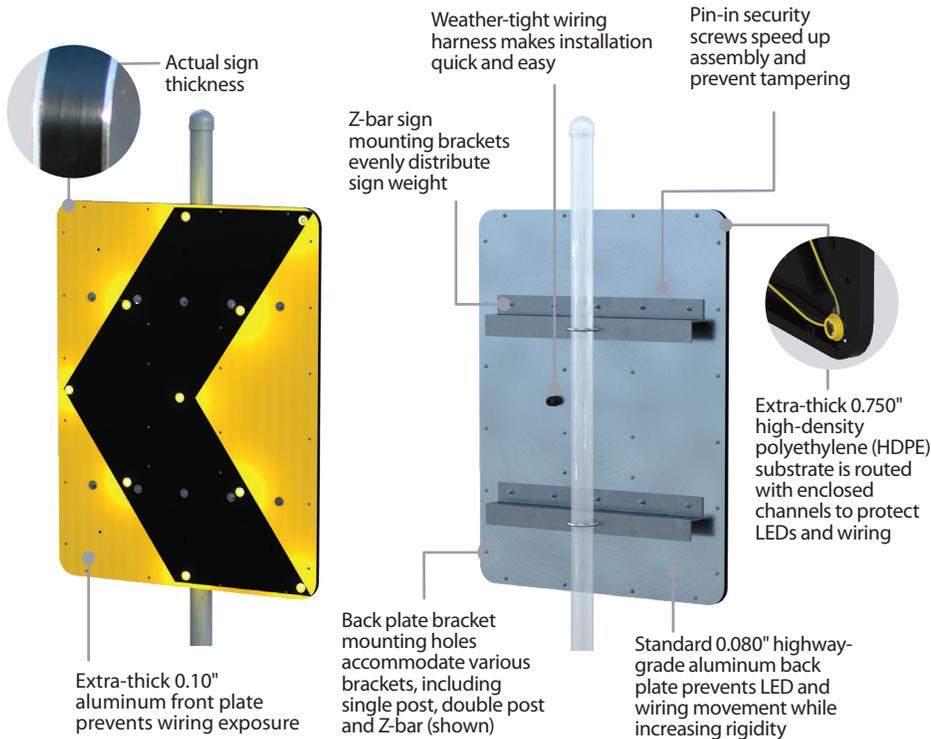
- LEDs automatically dim based on ambient light – maintaining optimal LED output and extending system autonomy



BLINKERSIGN® SOLUTIONS

RUGGEDIZED BLINKERSIGN®

Extreme weather events can inflict severe damage on standard traffic signs. Reinforced with two additional layers of material, the Ruggedized BlinkerSign® is engineered to take on heavy winds, plowed or blowing snow and falling debris.



MUTCD COMPLIANT

- MUTCD compliant and flashes in accordance with MUTCD section 2A.07

FLEXIBLE OPTIONS

- Any TAPCO traffic sign can be ruggedized

VARIABLE DIMMING

- LEDs automatically dim based on ambient light – maintaining optimal LED output and extending system autonomy

HIGH QUALITY, MADE IN THE USA

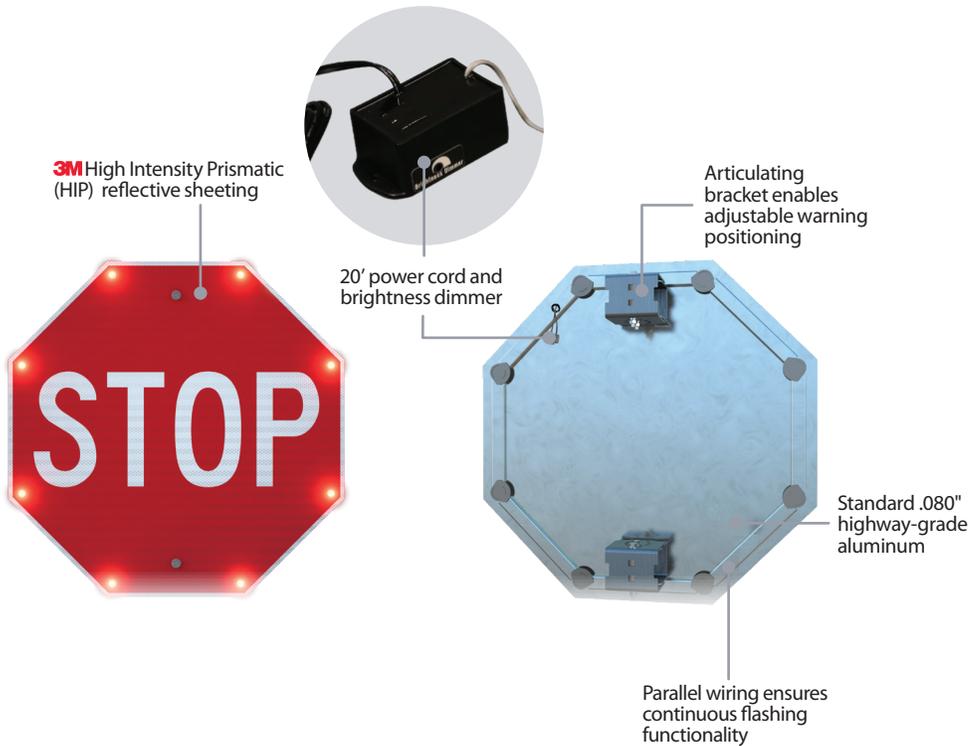
- Manufactured in Brown Deer, Wisconsin, and engineered to withstand the harshest environmental conditions



BLINKERSIGN® SOLUTIONS

INDOOR BLINKERSIGN®

Indoor BlinkerStop® Flashing LED Signs are edge-lit signs engineered to capture attention and increase facility traffic safety compliance with highly visible red flashing LEDs.



MUTCD COMPLIANT

- MUTCD compliant and flashes in accordance with MUTCD section 2A.07

HIGH QUALITY, MADE IN THE USA

- Manufactured in Brown Deer, Wisconsin, each BlinkerSign® is built to last

VARIABLE DIMMING

- LEDs automatically dim based on ambient light – maintaining optimal LED output and extending system autonomy



CUSTOM BLINKERSIGN®

FLEXIBLE OPTIONS

BlinkerSign® LED-Enhanced Signs feature highly visible LEDs embedded into the perimeter of the sign face that flash to capture drivers' and pedestrians' attention. LEDs can be amber, red, orange or white, depending on the sign face.

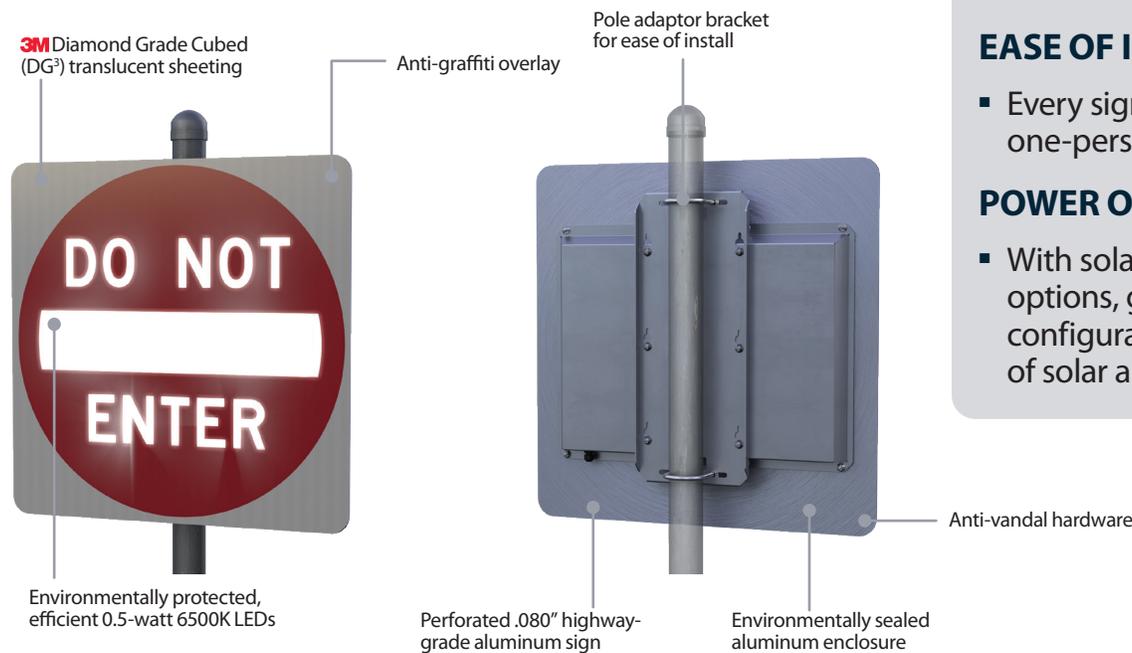
In addition, each sign can use various activation and control options based on customer need.



LEGENDVIZ™

TRAFFIC SIGN

Shown to increase sign legibility distance by as much as 100 percent compared to standard traffic signs*; LegendViz™ Traffic Signs feature highly visible, LED-illuminated legends for improved visibility at night.



SUPERIOR INNOVATION

- Enhanced sign face contrast increases nighttime visibility and is MUTCD compliant

EASE OF INSTALLATION

- Every sign is designed for one-person installation

POWER OPTIONS

- With solar and AC power options, get flexible configuration and 7+ days of solar autonomy



*According to the results of a closed-course driver trial and statistical analysis conducted by the Texas A&M Transportation Institute (TTI)

LEGENDVIZ™

BLINKERSIGN®

Shown to increase sign legibility distance by as much as 100 percent compared to standard traffic signs*, LegendViz™ BlinkerSigns feature highly visible LED-illuminated legends and flashing perimeter LEDs for improved visibility at night.

SUPERIOR INNOVATION

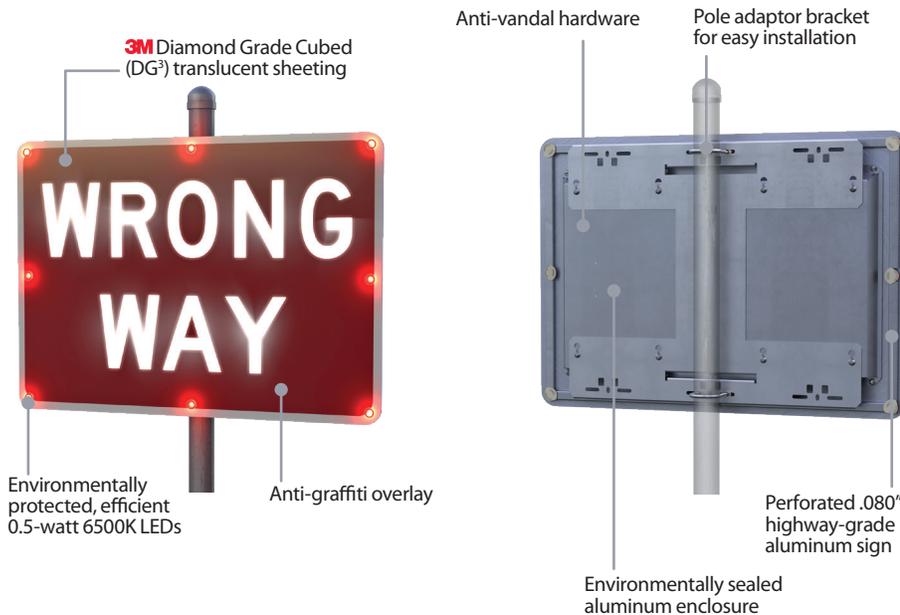
- Enhanced sign face contrast increases nighttime visibility and is MUTCD compliant

EASE OF INSTALLATION

- Every sign is designed for one-person installation

POWER OPTIONS

- With solar and AC power options, get flexible configuration and 7+ days of solar autonomy
- Perimeter LEDs dim based on ambient lighting



*According to the results of a closed-course driver trial and statistical analysis conducted by the Texas A&M Transportation Institute (TTI)

LED-ENHANCED WARNING ALERTS

BLINKERBEACON™ FLASHING LED BEACONS

When using amber LEDs, BlinkerBeacon™ Flashing LED Beacons provide real-time warning of pedestrians in crosswalks, school zones, low-clearance structures and more, increasing roadway safety.

12" round amber LED visible up to one mile away at night, with a 100,000-hour life expectancy



Black polycarbonate cut visor and door standard; yellow available upon request

Yellow or black polycarbonate LED housing



Aluminum mounting assembly painted to match LED housing

MUTCD-COMPLIANT

- Each BlinkerBeacon™ can flash in accordance with MUTCD section 4L.03

VARIABLE DIMMING

- LEDs automatically dim based on ambient light, maintaining optimal LED output and extending system autonomy

AVAILABLE OPTIONS

- 8" or 12" LED modules
- ITE-compliant 12V options
- Cut visor standard; tunnel visor available



LED-ENHANCED WARNING ALERTS

BLINKERBEACON™ FLASHING LED BEACONS

When using red LEDs, BlinkerBeacon™ Flashing LED Beacons provide drivers with real-time warning when traveling the wrong direction, approaching a stop sign and more, increasing roadway safety.

12" round red LED visible up to one mile away at night, with a 100,000-hour life expectancy



Black polycarbonate cut visor and door standard; yellow available upon request

Yellow or black polycarbonate LED housing



Aluminum mounting assembly painted to match LED housing

MUTCD COMPLIANT

- Each BlinkerBeacon™ can flash in accordance with MUTCD section 4L.03

VARIABLE DIMMING

- LEDs automatically dim based on ambient light, maintaining optimal LED output and extending system autonomy

AVAILABLE OPTIONS

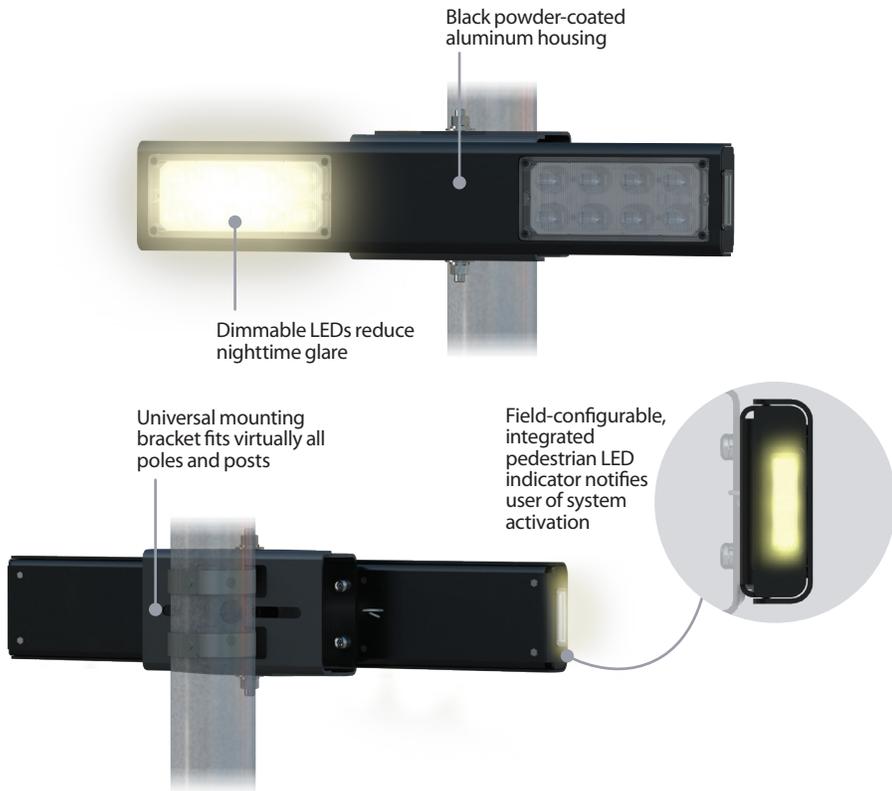
- 8" or 12" LED modules
- ITE-compliant 12V options
- Cut visor standard; tunnel visor available



LED-ENHANCED WARNING ALERTS

RRFB: RECTANGULAR RAPID-FLASHING BEACONS

A step above the industry standard, TAPCO RRFB light bars are extra-large rectangular rapid-flashing beacons, making them highly visible to drivers approaching pedestrian crosswalks.



FHWA COMPLIANT (IA-21)

- Utilize the WW+S flash pattern and meet SAE J595 Class 1 brightness and seven-inch indicator light spacing, as outlined in Interim Approval 21

VARIABLE DIMMING

- LEDs automatically dim based on ambient light – maintaining optimal LED output and extending system autonomy

PROVEN RESULTS

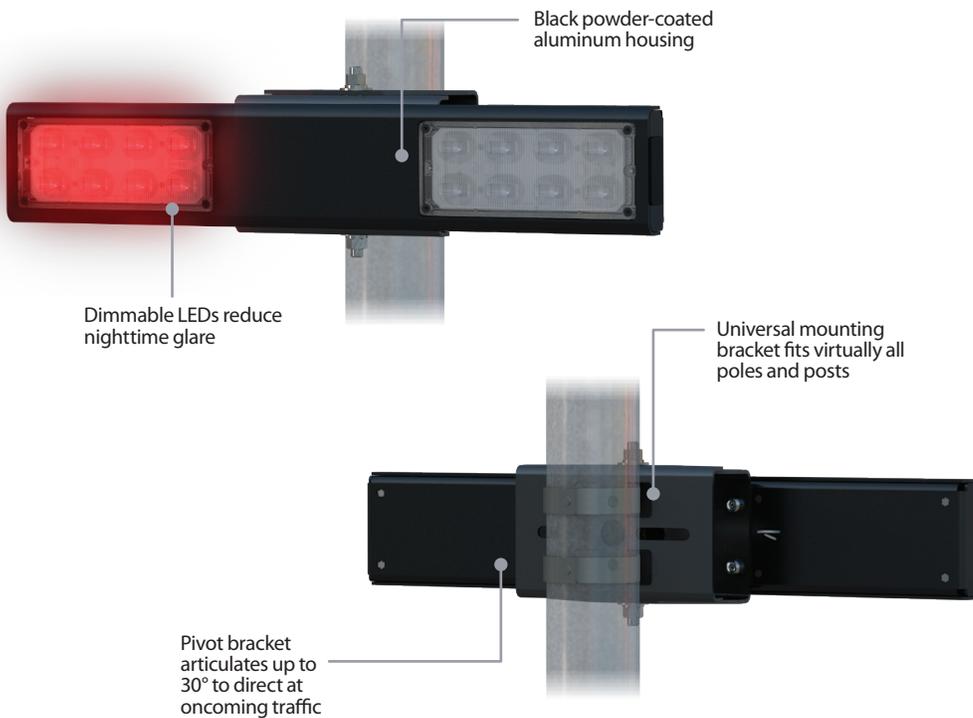
- Increase driver yield rates by as much as 90 percent



LED-ENHANCED WARNING ALERTS

RFB: RECTANGULAR FLASHING BEACONS

A step above the industry standard, TAPCO RFB light bars are extra-large rapid-flashing beacons, making them highly visible to wrong-way drivers.



ARRANGEMENT

- Placed above and below traffic signs, the RFBs flash in a wig-wag pattern

VARIABLE DIMMING

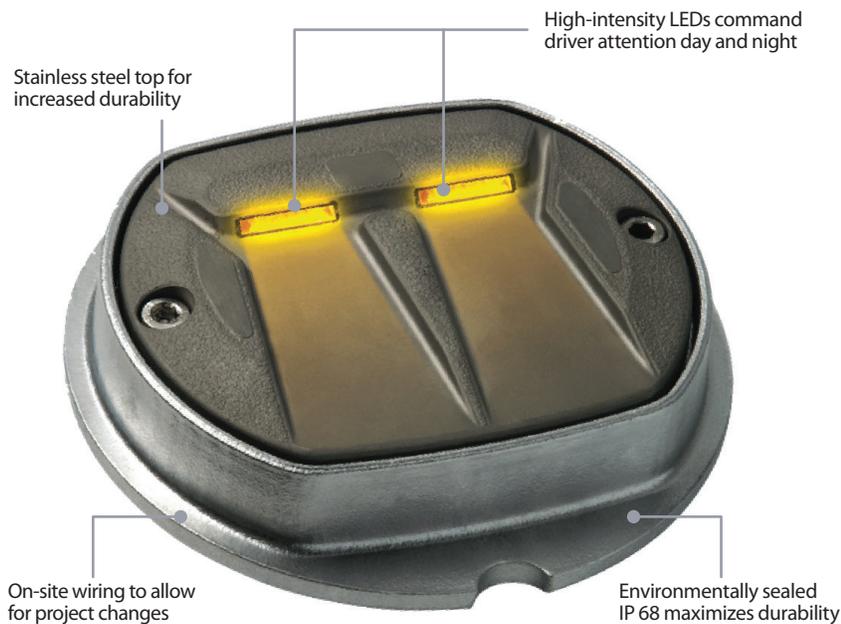
- LEDs automatically dim based on ambient light, maintaining optimal LED output and extending system autonomy



LED-ENHANCED WARNING ALERTS

IN-ROAD WARNING LIGHTS

Embedded in the pavement, amber In-Road Warning Lights (IRWLs) flash in unison to alert drivers of pedestrians crossing the road, and red IRWLs flash in unison to alert drivers they are traveling the wrong way.



MUTCD COMPLIANT

- All IRWLs are MUTCD compliant

LOW PROFILE

- Allow bicycles and pedestrians to safely pass over
- Snowplow-compatible options available

VARIABLE DIMMING

- LEDs automatically dim based on ambient light – maintaining optimal LED output night and day

MULTIPLE LED OPTIONS

- Uni-directional and bi-directional arrangements



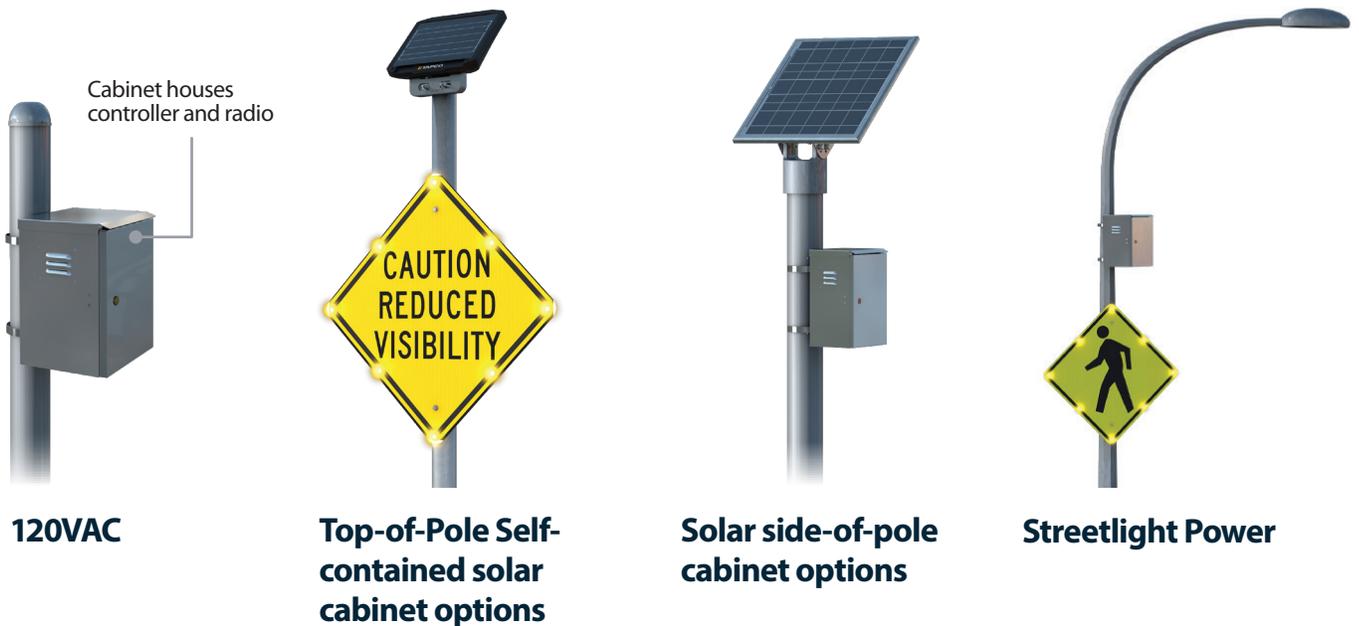
POWER AND CONTROL OPTIONS

FLEX POWER

Flex Power options provide flexible system configuration for multiple applications and power requirements while allowing easy access to control cabinets. Any TAPCO system can be designed to fit your power or environmental need.

POPULAR POWER PACKAGES

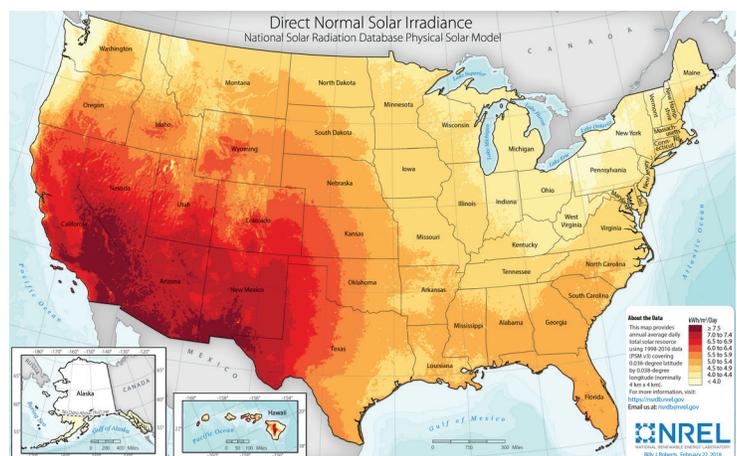
TAPCO offers many solar and AC power packages to choose from, including streetlight power. Some of the most popular are shown below, with other options available upon request.



SOLAR REQUIREMENTS

Critical solar factors such as direct normal irradiance and global horizontal irradiance vary depending on system location. To ensure the right power configuration, we conduct solar calculations to optimize system power.

Call us today for a free solar consultation: **(800) 236-0112**





 **TAPCO**[®]
Safe travels.

 (800) 236-0112

 [TAPCOnet.com](https://www.TAPCOnet.com)