

WANCO TRAFFIC SAFETY



Full Matrix and Three-Line

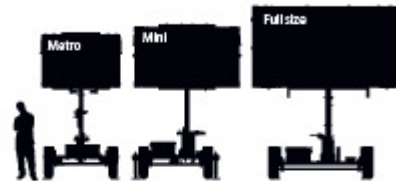
Many sizes and configurations to choose from

Every sign has an onboard controller

Easiest programming in the industry

Low power consumption and more uptime

All signs are NTCIP-compliant



Wanco® Variable Message Signs are the safest means for notifying motorists of changes in traffic patterns and road conditions. Wanco signs are ultra-bright and highly legible, with a variety of functions for any application—lane closures, highway construction, work zones, special events and more. A choice of sizes, displays, functions and other options make these signs extremely versatile.



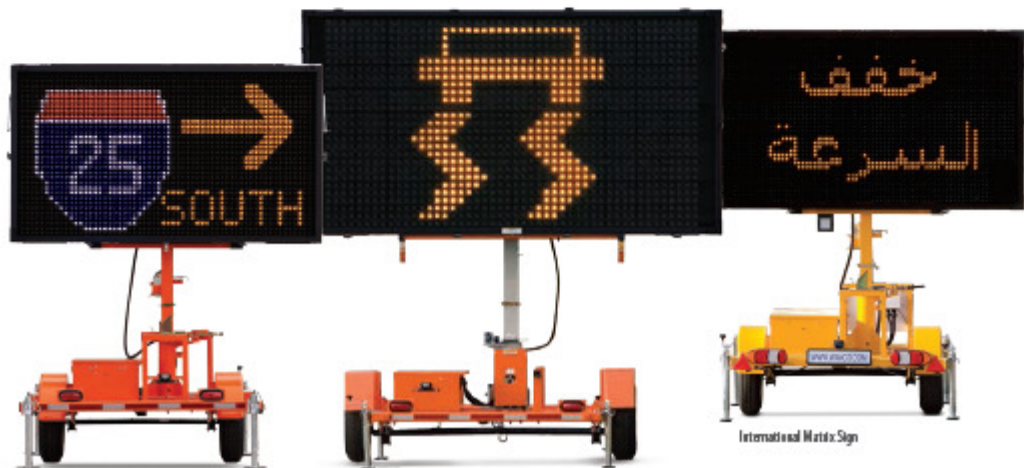
Message sign model codes, page 18



Wanco's full-color touchscreen controller provides access to all message sign functions. Widely known as the industry's easiest to use, features include capacitive response, multi-level password protection, large virtual buttons and easy message selection.

		Matrix signs		Three-line signs		Metro™ matrix signs		5-color sign*	Truck-mount signs	
		Full-size	Mini	Full-size	Mini	Large	Medium	Mini	Large	Medium
Deployed footprint	in. (cm)	186 × 126 (473 × 320)	143 × 96 (362 × 244)	186 × 126 (473 × 320)	143 × 96 (362 × 244)	55 × 96 (139 × 244)	55 × 71 (139 × 180)	143 × 104 (362 × 264)	102 × 25% (259 × 65)	84% × 25% (215 × 65)
Display cabinet size	in. (cm)	138 × 75 (351 × 190)	96 × 55 (244 × 140)	138 × 75 (351 × 190)	96 × 55 (244 × 140)	96 × 48 (244 × 122)	71 × 48 (180 × 122)	104 × 59 (264 × 150)	97% × 48% (247 × 124)	82% × 48% (209 × 124)
Operating height	in. (cm)	159 (404)	142 (361)	159 (404)	142 (361)	134 (340)	134 (340)	145 (367)	52 (132)	52 (132)
Travel height	in. (cm)	105 (265)	103 (262)	105 (265)	103 (262)	92 (232)	92 (232)	104 (264)	14% (37)	14% (37)
Weight, approx.	lbs. (kg)	2640 (1193)	1580 (717)	2640 (1193)	1580 (717)	1500 (680)	1400 (635)	1763 (800)	265 (120)	220 (100)
Display		48 × 27 pixels	48 × 27 pixels	3 lines of 8 characters	3 lines of 8 characters	60 × 30 pixels	48 × 30 pixels	60 × 32 pixels	56 × 28 pixels	48 × 28 pixels
Fonts		12	12	1	1	12	12	12	12	12
Power		Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Vehicle alternator	Vehicle alternator

All dimensions are L × W × H. For larger sign sizes, visit www.wanco.com. *Colors: Red, Blue, Green, Amber, White



Wanco Cellular Service



Wanco can provide cellular service for wireless remote communication with your Wanco equipment. Avoid complications and delays and let Wanco configure your modems, your communications and your cellular service for you, all in a single step with simple billing.

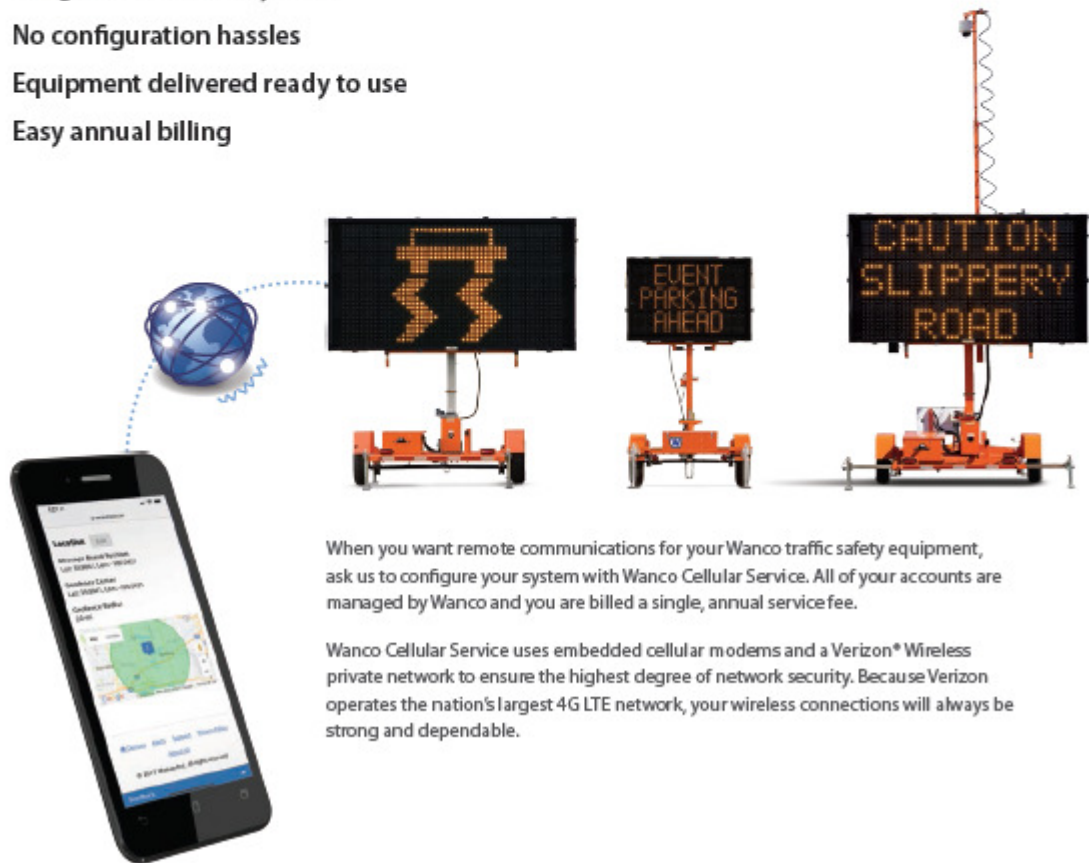
Reliable cellular coverage and GPS service

Integration with ITS systems

No configuration hassles

Equipment delivered ready to use

Easy annual billing



When you want remote communications for your Wanco traffic safety equipment, ask us to configure your system with Wanco Cellular Service. All of your accounts are managed by Wanco and you are billed a single, annual service fee.

Wanco Cellular Service uses embedded cellular modems and a Verizon® Wireless private network to ensure the highest degree of network security. Because Verizon operates the nation's largest 4G LTE network, your wireless connections will always be strong and dependable.

Wanco Fleet Manager

Wanco Fleet Manager provides the fleet tracking and management solution you need for all your Wanco Variable Message Signs. With this interactive online tool, you have everything you need for making necessary changes based on accurate, up-to-date information.

Remote access through the cloud

Accurate and real-time data

Message management

Mass-message broadcast

Temperature and electrical-system graphs

Maximize the value of your traffic safety assets by remotely accessing your fleet of Wanco Message Signs. Remote access saves time, improves safety and reduces the need for training of off-site personnel.

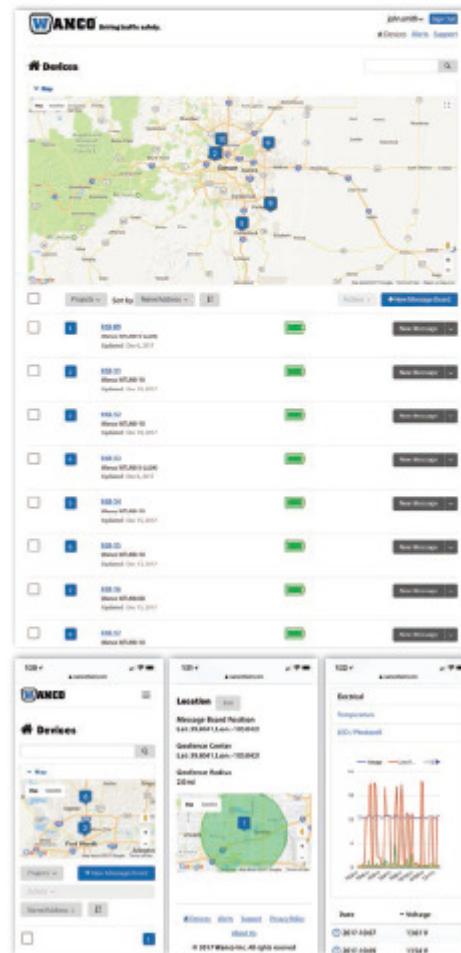


Using a computer with an Internet connection, see your entire fleet, create lists and groups of equipment, and manage equipment individually or in groups. Add equipment to Fleet Manager and remove equipment as needed. Monitor and change messages on message signs, send mass-message broadcasts to multiple signs and more.

Wanco Fleet Manager provides real-time access to equipment health information,

including battery charge, alarms and a variety of electrical and physical information. Graphing capability shows temperature and electrical-system data in charts that are easy to read.

GPS mapping lets you locate and identify your fleet and individual pieces of equipment. Geofencing lets you designate areas where your equipment is allowed, with notifications and configurable alarms that are triggered when boundaries are breached.



Arrow Boards

Trailers, Skids & Truck-Mounts

Trailers and skids feature
WECO® Technology
Learn more at wanco.com



15-light and 25-light models

Folding and vertical-mast trailers

Wide selection of truck-mount options

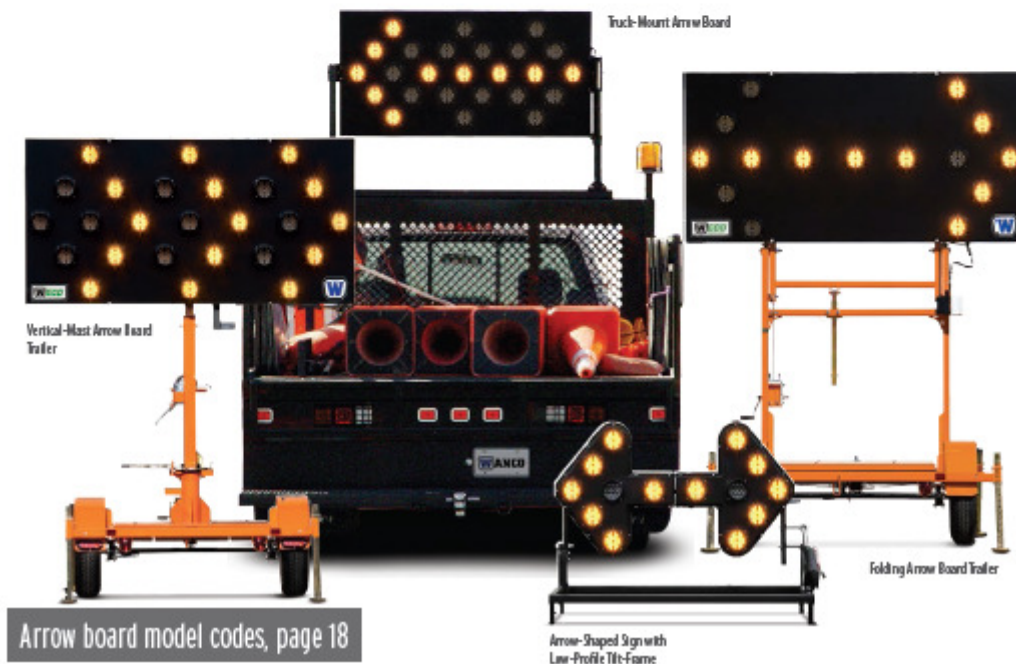
Energy efficient

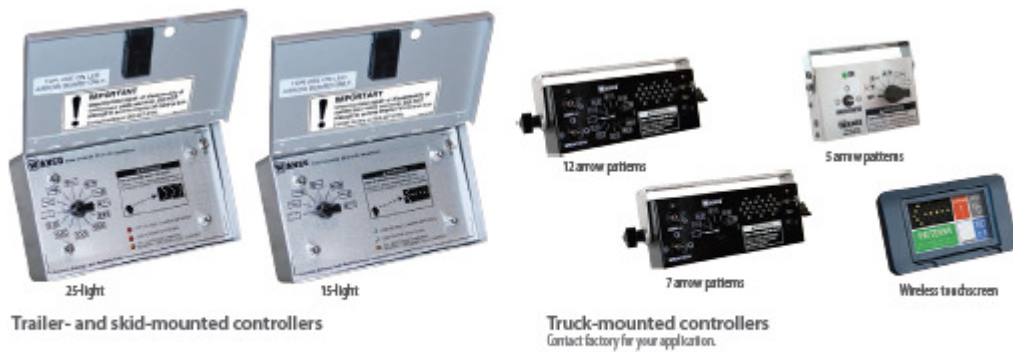
Easy to operate and maintain



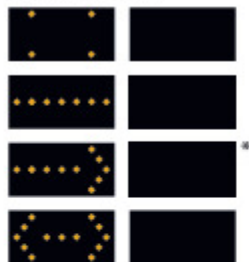
Compact design fits 15 folding arrow boards on a truck

Wanco Arrow Boards play an essential role in keeping the work zone safe. Highly visible, easy to operate, rugged and dependable, Wanco Arrow Boards set the standard. Wanco has a wide range of arrow boards to fit your specific needs, including models with environmentally friendly WECO® Technology, the most power-efficient arrow boards in the industry.



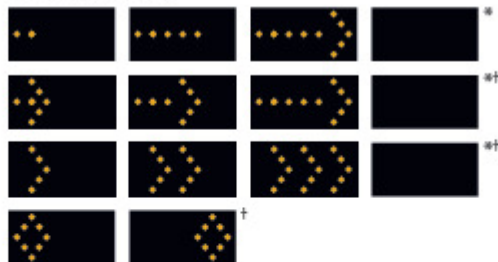


Flashing patterns



*Left or right *25-light models only

Sequential patterns



		Arrow board trailers		Arrow board skids			Truck-mount arrow boards*			
		Folding	Vertical	Standard	Low profile	Rigid	Full-size	Large	Medium	Small
MUTCD standard		Type C	Type C	Type C	Type C	Type C	Type C	Type B	Type B	Type A
Display cabinet size	in. (cm)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	36 × 72 (92 × 183)	30 × 60 (76 × 153)	24 × 48 (61 × 122)
Deployed footprint	in. (cm)	119 × 96 (302 × 244)	118 × 96 (300 × 244)	73 × 96 (185 × 244)	73 × 96 (185 × 244)	36 × 96 (91 × 244)	Varies depending on mounting frame			
Operating height	in. (cm)	136 (344)	133 (337)	120 (305)	87 (221)	77 (194)	Varies depending on mounting frame			
Travel height	in. (cm)	91 (229)	91 (229)	75 (191)	44 (112)	77 (194)	Varies depending on mounting frame			
Weight, approx.	lbs. (kg)	1250 (567)	1250 (567)	540 (245)	520 (236)	320 (145)	112 (51)	100 (45)	72 (33)	42 (19)
Display lamps		PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 36 LED	PAR 36 LED
Power		Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Vehicle alternator	Vehicle alternator	Vehicle alternator	Vehicle alternator

All dimensions are L × W or W × H. *For arrow-shaped truck-mount signs, visit www.waco.com.

Radar-Speed Signs

Trailers & Pole-Mounts

Large, bright LED characters

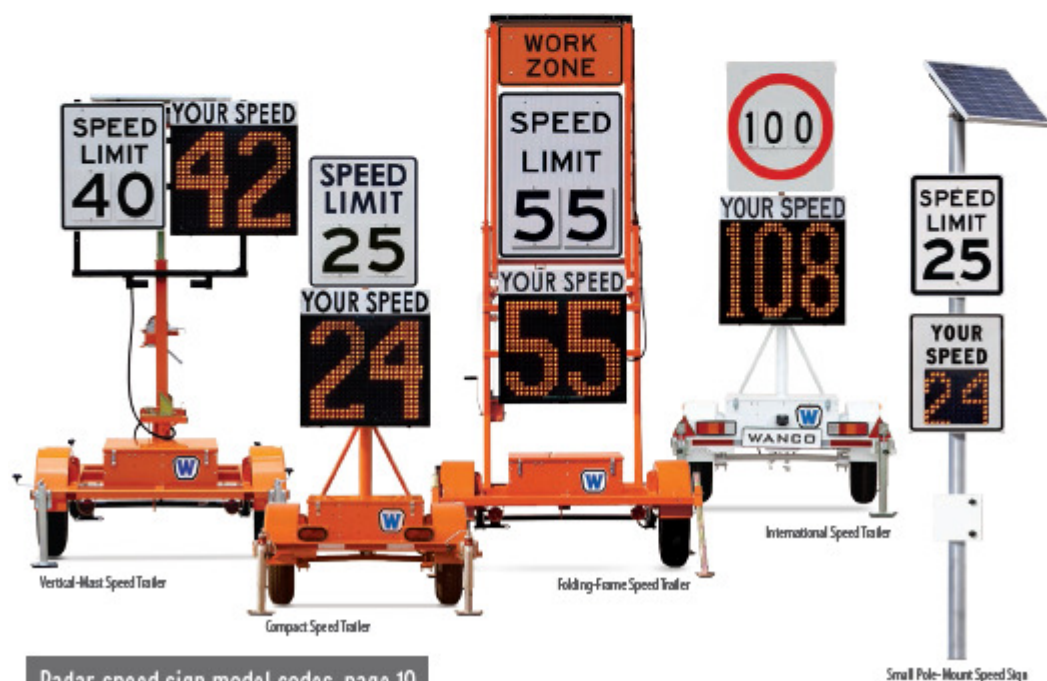
Easy to transport

Changeable speed-limit sign

See-through design

Battery and solar powered

Featuring the largest portable speed-display available, Wanco Radar-Speed Signs show vehicle speed in 26-inch characters, warning motorists to slow down by flashing their excessive speed. Commonly deployed in school zones, work zones and high-accident areas, these signs provide a degree of traffic calming unmatched by other roadway signs.



Radar-speed sign model codes, page 19

Touchscreen Controller



Wanco's full-color touchscreen controller* provides access to all speed sign functions. Widely known as the industry's easiest to use, features include capacitive response, large virtual buttons and easy message setup.

*Standard speed signs have an analog controller; the touchscreen is an optional upgrade. When a speed trailer is ordered from the factory with Data Classifier System, the touchscreen is included.

Touchscreen Features

- Capacitive touchscreen with instantaneous response
- Single-press to access most common settings
- Change settings and view system status from main screen
- Set any speed and excess speed independently
- Display vehicle speeds or messages
- Create custom messages
- Choose from preprogrammed messages
- Internal clock facilitates built-in schedule programming
- Set up connected devices, including Wanco Traffic Data Classifier System (see page 10)
- Multi-level password protection restricts access to authorized personnel
- Main screen shows message on sign, speed settings, radar and classifier status
- Access system information, power levels, active alarms and system settings from main screen
- Turn connected devices on and off, including radar, classifier, beacons and more



Custom and preprogrammed messages

		Radar-speed trailers				Pole-mount speed signs	
		Vertical	Folding	Compact	International	Large	Small
Deployed footprint	in. (cm)	118 x 77 (299 x 195)	127 x 75 (323 x 191)	106 x 61 (268 x 154)	106 x 61 (268 x 154)	—	—
Operating height	in. (cm)	134 (340)	136 (344)	123 (312)	123 (312)	—	—
Travel height	in. (cm)	92 (234)	106 (269)	91 (231)	91 (231)	—	—
Weight, approx.	lbs. (kg)	1250 (567)	1170 (531)	870 (395)	870 (395)	—	—
Display cabinet size*	in. (cm)	36 x 38 (91 x 96)	36 x 38 (91 x 96)	36 x 38 (91 x 96)	36 x 38 (91 x 96)	36 x 38 x 5 (91 x 96 x 13)	24 x 30 x 5 (61 x 76 x 13)
Speed display font size	in. (cm)	26 (66)	26 (66)	26 (66)	26 (66)	26 (66)	13 (33)
Speed limit sign size†	in. (cm)	30 x 36 (76 x 91)	36 x 48 (91 x 122)	24 x 30 (61 x 76)	36 x 36 (91 x 91)	As specified or customer-supplied	
Power		Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar; or 110/220Vac	Batteries, solar; or 110/220Vac

All dimensions are L x W x H. *Height includes non-ano sign. †Standard sign size shown, other sizes available. Contact the factory.

Traffic Data Classifier System

Traffic Counter & Data Analyzer

Collects and classifies traffic data

Nonintrusive and safe to install

Analytic graphing

Data analysis for any purpose

Remote access with optional modem



The Wanco Traffic Data Classifier System provides a safe, non-intrusive method for monitoring and analyzing traffic patterns. Employing side-fire radar to measure vehicle speed and length, the data collector uses no wires, loops or hoses. Analytic graphing software is included, to make charting traffic data easy. The system integrates with any Wanco Radar-Speed Sign or Variable Message Sign.

Features and Benefits

Common applications

- Tool for traffic engineers to investigate lane flow, speed and density
- Use collected data to make decisions and recommendations for managing traffic
- Investigate and validate complaints from citizens, neighborhoods and contractors
- Planners can back up needs and recommendations with real data
- Decide when to put police on the roads
- Prove the need for traffic controls

Operation

- Nonintrusive, no disturbance of traffic flow during installation or use
- Radar-based design is less dangerous to install than loops and hoses
- Most effective for two-lane roads
- Counts both approaching and departing vehicles
- Side-fire radar system captures date and time, traffic volume, and vehicle speed, direction and length
- Registers millions of vehicles in internal memory



With optional modem, data can be retrieved remotely via the Internet. See page 4.

Data analysis

- Wanco Traffic Analyzer app included with system
- App installs on user-supplied computer
- Create and manage multiple projects at once
- Name projects and add details and notes when needed
- Analytic graphing charts vehicle count vs. speed, volume over time, and means & percentiles for easy analysis
- Filter data as desired
- Fully interactive graphs can be customized for your requirements
- Export graphs in common file formats



Portable Camera Trailers

Live Remote Video

Wireless remote viewing and monitoring

Integrates with existing video networks

Continuous unmanned operation

Easy to transport

Completely self-contained

Wanco Portable Camera Trailers provide remote site monitoring in a compact, mobile, self-contained unit. Where no permanent cameras are installed, these systems augment any video network with quick and easy deployment and an array of remote-access capabilities. Perfect for DOTs, traffic engineers, ITS and signal engineers, and others. Monitor traffic, workzones and weather conditions in real time. Wanco Portable Camera Trailers feature rugged construction and electronics chosen specifically for transportation departments.

Cameras	Outdoor IP-network cameras Day/night, pan-tilt-zoom (PTZ), 360° rotation
Camera height	Up to 29 ft. (8.8 m), depending on model
Power system	Battery-powered with solar charging system
Popular options	Choice of wireless communications (4G/LTE, RF, Wi-Fi®, WLAN, 802.11 and more) Onboard digital recording Choice of cameras Multiple cameras GPS



Camera trailer model codes, page 19

Diesel Light Towers

LED and Metal Halide

Vertical and laydown-tower models

LED or metal halide lights

360-degree tower rotation

Lights operate at any height

Easy to transport

Wanco Light Towers feature state-of-the-art technology for superior illumination. Models include laydown and vertical towers with LED or metal halide lights. Lights operate at any height and can be aimed independently without the use of tools. Energy efficient and easy to use, Wanco Light Towers are designed for optimum performance and maximum durability.

	Metal halide	LED
Fixtures	Four metal halide	Four LED
Wattage	1000 W per fixture	480 W per fixture
Physical	All models	
Deployed footprint, L x W	127 x 112 in. (321 x 285 cm)	
Operating height	max. 360 in. (914 cm) min. 150 in. (381 cm)	
Traveling height	66 in. (168 cm)	
Weight, approx.	1740 lbs. (790 kg)	
Output	6 kW	8 kW
Power	6 kW	7.5 kW
Current	50 A @ 120 V	62.5 A @ 120 V
Voltage regulation, no load to full load	±5%	±5%



Vertical-Mast Light Tower



Laydown Light Tower

Light tower model codes, page 19

Solar Light Towers

Silent operation

Four LED lights on 20-foot tower

Compact trailer

Automatic and manual operating modes

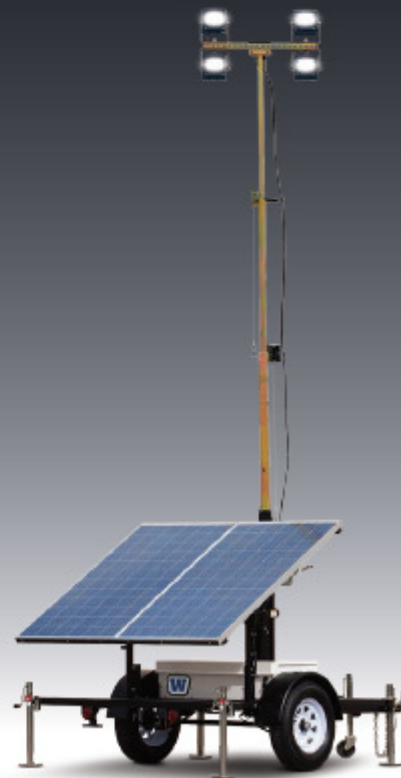
Battery powered and solar charged

The Wanco Small Solar Light Tower is perfect for lighting areas up to 7,200 square feet. Common applications include utility site and road repairs, flagger stations and personal work areas. Solar light towers operate silently, which means they can be used in residential areas without disturbing the public. The light tower features four or six high-efficiency LED light fixtures on a 20-foot telescoping tower. Autonomous operation is possible during summer.

Lights	
Light fixtures	Four or six LED fixtures
Power draw, approx.	50 watts per light fixture*
Physical	
Deployed footprint, L x W	158 x 83 in. (401 x 211 cm)
Operating height	max. 236 in. (599 cm) min. 108 in. (273 cm)
Traveling height	108 in. (273 cm)
Weight, approx.	1680 lbs. (762 kg)
Power system	
Batteries	Four 4D AGM 12Vdc batteries
Battery capacity	400 Ah total
Solar array	Two 300 W fixed-position panels on tilt-frame 600 W total

* Due to improvements in LED technology, light fixtures are subject to change. For more information, visit www.wanco.com.

Wanco has many models of solar light towers with more lights, taller towers and larger trailers with custom controls and onboard storage. Visit wanco.com to learn more.



Small Solar Light Tower

Balloon Light Cart

Glare-free 360° illumination

Reduced and diffused shadows

16-foot telescoping tower

Steerable heavy-duty cart with brake

Optional inverter power generator

Wanco Balloon Light Carts provide diffused light that reduces shadows and eliminates glare, making night work safer and easier on the eyes. The balloon light illuminates large areas even at low operating heights. The light operates at any height. With outriggers deployed, the heavy-duty steel base and low center of gravity keep the light and telescoping mast stable.

Light	
Lamp	One metal halide lamp
Power draw	1000 watts
Physical	
Balloon, inflated	43 in. (110 cm) diameter 25 in. (66 cm) height
Deployed footprint, L x W	77 x 80 in. (196 x 203 cm)
Deployed height, max.	16 ft. 3 in. (4.95 m)
Travel size, L x W x H	47 x 31 x 91 in. (118 x 79 x 230 cm)
Weight, approx.	300 lbs. (136 kg)
Power	
Power supply	Portable generator or Commercial AC power
Optional generator	Wanco WL2000P recommended 2000 watts max., 120 VAC



Balloon Light Cart

Light cart model code, page 19

X-Marker™

L-893(L) Runway Closure Marker

FAA standards certified

Lowest fuel consumption in the industry

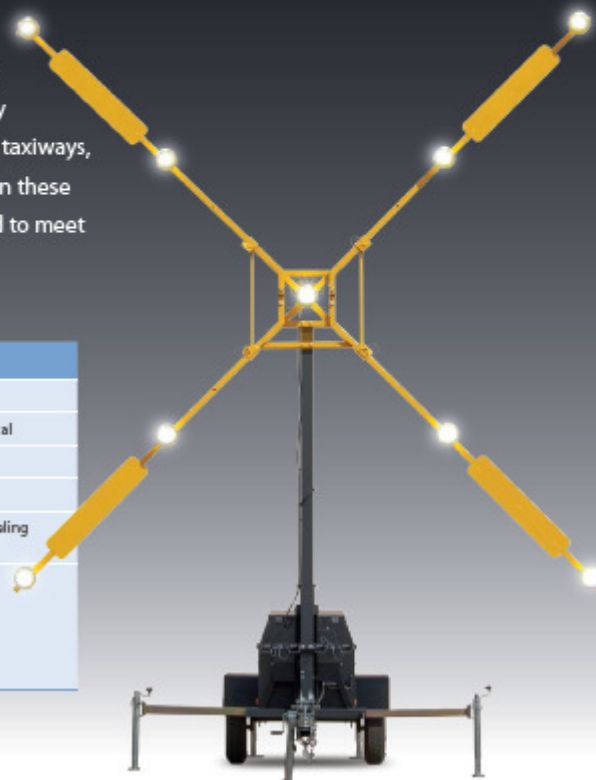
24-hour battery backup

10-year operating life for LED fixtures

Easy to deploy in under 5 minutes

The Wanco X-Marker™ is an L-893(L) lighted visual aid for indicating temporary runway closure. It efficiently and effectively warns pilots of closed airport runways and taxiways, and protects maintenance crews working in these areas. The X-Marker L-893(L) is ETL-certified to meet FAA AC 150/5345-55.

Lights	Nine high-efficiency LED fixtures
Luminosity	6000 lumens per fixture, 54,000 lumens total
Operating height	20 ft. 5 in. (6.2 m)
Arm length	21 ft. 8 in. (6.6 m) tip to tip
Run time	On engine power, up to 7 days before refueling On battery power, additional 24 hours
Popular options	Tandem tow package Integral fluid containment system Cold weather package Arctic weather package Emergency stop Covers



X-Marker L-893(L) Runway Closure Marker

X-Marker model code, page 19

Fold-n-Go™

Portable Sign Trailers

Quick setup and takedown

Compact and easy to tow

Flashing beacons

Solar charging system

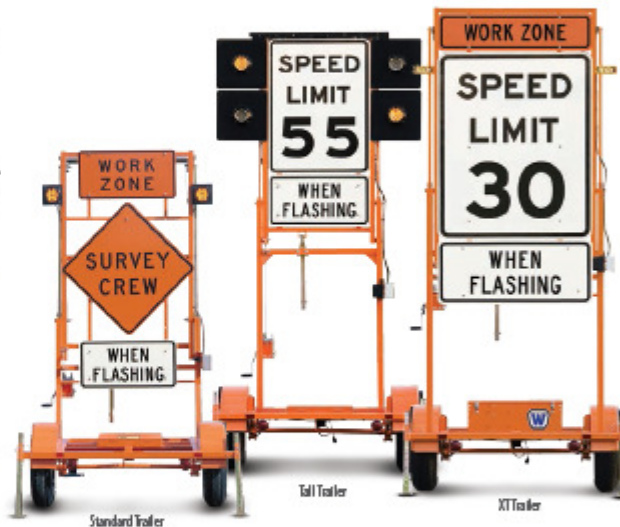
Built to meet state requirements

Wanco Fold-n-Go™ Trailers provide a platform for displaying temporary signs. Extremely compact and portable, these trailers offer easy roadside placement, quickly and easily folding for transport. A variety of sign sizes can be attached, made more noticeable with bright, flashing beacons or strobe lights.

Wanco can custom design a Fold-n-Go trailer to meet your local codes and requirements. Contact us to learn more.

Standard and tall trailers feature

WECO Technology
Learn more at wanco.com



		Standard trailer		Tall trailer		XT trailer	
Deployed footprint	in. (cm)	100 × 74	(254 × 188)	100 × 74	(254 × 188)	100 × 74	(254 × 188)
Operating height	in. (cm)	126	(320)	152	(386)	165	(419)
Traveling height	in. (cm)	73	(185)	106	(269)	120	(305)
Weight, approx.	lbs. (kg)	700	(318)	800	(363)	900	(408)
Sign sizes	top	36 or 48 × 24	(91 or 122 × 61)	36 × 48	(91 × 122)	48 × 12	(122 × 31)
	middle	36 or 48 × 48	(91 or 122 × 122)	—	—	48 × 60	(122 × 152)
	bottom	36 or 48 × 18	(91 or 122 × 46)	36 × 18	(91 × 46)	48 × 20	(122 × 51)
Optional flashers		Two or four 5.5-inch LED beacons		Two or four 5.5-inch LED beacons		Two high-output LED strobes	

All dimensions are L × W × H.

Fold-n-Go model codes, page 19

Caution Beacons

Kits & Components

Kits for common applications

Permanent and temporary installations

Solar charging system or commercial power

Simple controls

Automatic night dimming

Wanco Caution Beacons are the right choice for school zones, construction sites and other areas that require motorists' attention. Bright beacons and simple controls, combined with a variety of options, make Wanco Caution Beacons ideally suited for any application. Choose from preconfigured kits, or select individual components as needed.



3-Head School-Zone Beacon Kit

Beacon heads		Configuration options
Lights	Amber LED, lens in lamp	Pole-mount aluminum control/battery box, or steel battery box for temporary installations
Size	12-inch standard head, 8-inch rear head	Commercial power, or solar powered battery-charging system with a choice of solar panels
Construction	Yellow polycarbonate	Alternating flasher with solar regulator and automatic low-voltage-disconnect circuit
Visor	Tunnel type, extends 12 inches from door surface	365-day programmable timer for scheduled operation
		Aluminum pole, 4-in. dia. (4.5-in. OD), 14 feet tall with pedestal base, ready for installation
		Regulatory signs

Caution beacon model codes, contact factory

Product Model Codes

Variable Message Signs



Full-Size Matrix

WTMMB



Mini Matrix

WVTM



Metro Matrix

WVTMM



Full-Size Remote-Video Monitoring System

WTMMBC



Mini Remote-Video Monitoring System

WVTMC



Full-Size Three-Line

WTLMB



Mini Three-Line

WVT3



5-Color Matrix

WVTM-5C



International Matrix

WMB



Truck-Mount Matrix

WMB-V

Arrow Board Trailers



Vertical Trailer

WTSV



Folding Trailer

WTSF



Standard Skid

WOSP



Low-Profile Skid

WOSP-LP



Rigid Skid

WS15Bb

Arrow Board Skids

Truck-Mount Arrow Boards



No Mounting Frame

48 × 96 in. WB8
36 × 72 in. WB6
30 × 60 in. WB5
24 × 48 in. WB4



Manual Tilt (Auto-Lock)

48 × 96 in. WFB8
36 × 72 in. WFB6
30 × 60 in. WFB5
24 × 48 in. WFB4



90° Power-Tilt Frame

48 × 96 in. WFBP8
36 × 72 in. WFBP6
30 × 60 in. WFBP5
24 × 48 in. WFBP4



90° Low-Profile Power-Tilt Frame

36 × 72 in. WLP90B6
30 × 60 in. WLP90B5

Light Towers



Balloon Light
WLC1000B



Solar
WDS-SM



Diesel, Vertical Tower
WDV



Diesel, Laydown Tower
WLT

Portable Camera Trailers



Mini Solar Surveillance
WCTS-Mini



Traffic PVS System
WCTBS

Radar-Speed Signs



Vertical Trailer
WSD-TV



Folding Trailer
WSD-TF



Compact Trailer
WSDT3-S



International Trailer
WSDT3-EU



Pole-Mount Signs
Large sign WSDP3
Small sign WSDP1

Fold-n-Go™ Portable Sign Trailers



XT Trailer
WFG-48-2L



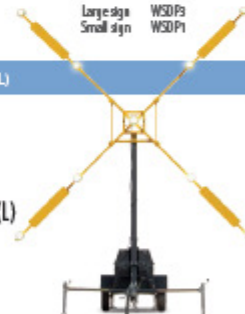
Tall Trailer
WFG-36-4L



Standard Trailer
36-inch signs WFG-36
48-inch signs WFG-48

X-Marker™ L-893(L)

X-Marker™ L-893(L)
WTIC



180° Power-Tilt Frame
36 × 72 in. WFP180B6
30 × 60 in. WFP180B5



Tailgate Mount
48 × 96 in. WNGB8
36 × 72 in. WNGB6
30 × 60 in. WNGB5
24 × 48 in. WNGB4



Arrow-Shaped Signs
WSBLA-14 No frame
WFLA-14 Manual tilt (auto-tilt) frame
WFLA-14LP Low-profile frame



