LaneLight
A Safer Way Home

Emergency Responder
Warning Systems

5 YEAR
WARRANTY

Wireless Emergency Vehicle Warning
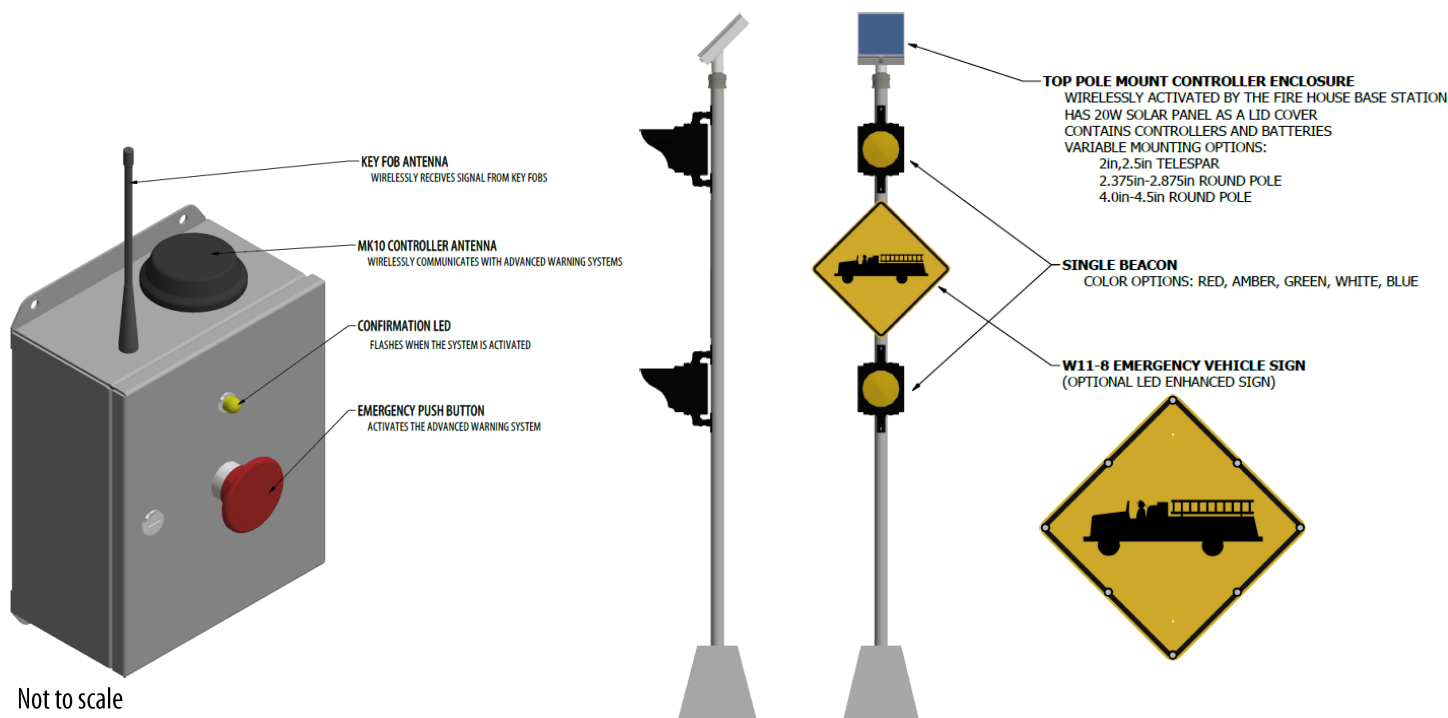Systems with Push Button Activation

www. LaneLight.com

Emergency Responder Warning System (ERWS)

Not to scale

KEY FOB ANTENNA
WIRELESSLY RECEIVES SIGNAL FROM KEY FOBS

MK10 CONTROLLER ANTENNA
WIRELESSLY COMMUNICATES WITH ADVANCED WARNING SYSTEMS

CONFIRMATION LED
FLASHES WHEN THE SYSTEM IS ACTIVATED

EMERGENCY PUSH BUTTON
ACTIVATES THE ADVANCED WARNING SYSTEM

TOP POLE MOUNT CONTROLLER ENCLOSURE
WIRELESSLY ACTIVATED BY THE FIRE HOUSE BASE STATION
HAS 20W SOLAR PANEL AS A LID COVER
CONTAINS CONTROLLERS AND BATTERIES
VARIABLE MOUNTING OPTIONS:
2in, 2.5in TELESPAR
2.375in-2.875in ROUND POLE
4.0in-4.5in ROUND POLE

SINGLE BEACON
COLOR OPTIONS: RED, AMBER, GREEN, WHITE, BLUE

W11-8 EMERGENCY VEHICLE SIGN
(OPTIONAL LED ENHANCED SIGN)

OVERVIEW

The solar-powered Emergency Responder Warning System provides notification to traffic when an emergency vehicle is exiting a station. It can be activated remotely from the base station mounted in the building and/or with optional key fob.

SPECIFICATIONS

Base Station Control Cabinet

Material	Carbon steel
Finish	Light texture polyester power coat
Dimensions	Refer to drawings
Ratings	NEMA 4/12, IP66
Mounting	Wall mount
Power	Built-in AC/DC power supply w/ optional battery backup
Control	LaneLight MK10 system controller
Activation Device	Pushbutton base: 22mm, momentary, (1) N.C. contact(s), metal base, metal bezel Operator button: red, mushroom, 60mm, round, plastic
Communication	Indoor whip or outdoor omni-directional L-Com, p/n HG906UP-NF (or similar)

Beacon Assembly

Beacon Size Options	8 in. or 12 in. (12 in. show in diagram)
Luminous Intensity	> 200 cd
Technology	Hi-Flux LED
LED Color	Red, Amber, Green, White, Blue
Flash Pattern	MUTCD compliant, Wig-Wag
Material	Beacon: UV-stabilized polycarbonate Mounting Hardware: Aluminum, powder coated
Mounting Options	Side-of-pole: Hub plate mount, bolts or metal banding
Beacon Certifications	Protection Class: Safety Class II acc. To EN 61140 Impact Resistance: Class IR3; acc. To EN 60598-1 Ingress Protection: IP 65 acc. to EN 60529

SPECIFICATIONS (CONT'D)

Top of Pole Solar Control Cabinet

Material	0.125 in. 5052 Aluminum
Dimensions	Refer to drawings on next page, units shown as in. [mm]
Construction	Welded box construction with gasket Top-mounted lid with piano hinge
Hardware	Butterfly latch, spring lid support
Mounting Options	Top of pole mount adapter (max. pole ⌀ 4.5 in.) Telespar adapter (1.5 - 2.5 in.), #1-1/2 in. nut Custom arm extension for side of pole mount
Weight	10 lb (with 20Ah battery)
Power and Control	20W solar panel (mounted on lid) LaneLight MK10 system controller 3.6V/20Ah LiFePO4 battery
Autonomy	>20 days
Max. Wind Load	Rated for wind speeds up to 170 mph (274 km/h)
Standards Compliance	Manufactured to NEMA 3R specifications

Sign

Sign Size (s)	30 in. or 36 in. (30 in. shown in diagram)
Sign Substrate	0.080 Highway Grade Aluminum
Reflective Sheeting	3M™ Diamond Grade™ DG3 with anti-graffiti overlay
MUTCD Compliance	Section 2A.07 Retroreflectivity and Illumination
Color	As per MUTCD approved graphics
Mounting	Bolt or band
Optional LED-Enhanced Sign	
LED Size	LED: OD 0.2 in. [5mm]; Lens: OD 0.87 in. [22mm]
LED Number	8 per sign
LED Color	Amber
LED Brightness	48 lm per LED