



Amber In-Roadway Warning Light (IRWL) with 10" Composite Baseplate

Lighted Crosswalk Matrix



Red In-Roadway Warning Light (IRWL) with 10" Composite Baseplate

IRWLs = In-Roadway Warning Lights; RRFBs = Rectangular Rapid Flashing Beacons

1 LANE			
POWER SOURCE	10 – 24 mph	25 – 44 mph	45+ mph
A/C	RRFBs; LED sign system	LED sign system w/IRWLs; IRWLs	LED sign system (overhead mast arm mounted)
Solar	RRFBs; LED sign system	LED sign system w/IRWLs; IRWLs	LED sign system (overhead mast arm mounted)
Solar Wireless	RRFBs; LED sign system	LED sign system	LED sign system (overhead mast arm mounted)

2 OR 3 LANE			
POWER SOURCE	10 – 24 mph	25 – 44 mph	45+ mph
A/C	RRFBs; LED sign system	IRWLs; LED sign system w/IRWLs; RRFBs w/IRWLs	LED sign system (overhead mast arm mounted)
Solar	RRFBs; LED sign system	IRWLs; LED sign system w/IRWLs; RRFBs w/IRWLs	LED sign system (overhead mast arm mounted)
Solar Wireless	RRFBs; LED sign system	RRFBs; LED sign system	LED sign system (overhead mast arm mounted)

4 LANE			
POWER SOURCE	10 – 24 mph	25 – 44 mph	45+ mph
A/C	IRWLs; RRFBs w/IRWLs; LED sign system w/IRWLs	IRWLs; RRFBs w/IRWLs; LED sign system w/IRWLs	LED sign system (overhead mast arm mounted)
Solar	IRWLs; RRFBs w/IRWLs; LED sign system w/IRWLs	IRWLs; RRFBs w/IRWLs; LED sign system w/IRWLs	LED sign system (overhead mast arm mounted)
Solar Wireless	LED sign system (overhead mast arm mounted)	LED sign system (overhead mast arm mounted)	LED sign system (overhead mast arm mounted)

4 LANE with median			
POWER SOURCE	10 – 24 mph	25 – 44 mph	45+ mph
A/C	RRFBs; LED sign system	IRWLs; LED sign system w/IRWLs; RRFBs w/IRWLs	LED sign system (overhead mast arm mounted)
Solar	RRFBs; LED sign system	IRWLs; LED sign system w/IRWLs; RRFBs w/IRWLs	LED sign system (overhead mast arm mounted)
Solar Wireless	RRFBs; LED sign system	RRFBs; LED sign system	LED sign system (overhead mast arm mounted)



LED School Crossing Sign System – overhead mast & curb mounted

ROUNDABOUTS	
POWER SOURCE	N/A
A/C	IRWLs; RRFBs w/IRWLs; LED sign system w/IRWLs
Solar	IRWLs; RRFBs w/IRWLs; LED sign system w/IRWLs
Solar Wireless	RRFBs; LED sign system



Solar Wireless Pedestrian Warning LED Sign System



Solar Wireless School Crossing RRFb System

NOTE: In-Roadway Warning Lights (IRWLs) are available in amber, red and green with 10" composite, or 14" snow plow blade resistant baseplates. Radar, RADs, passive bollard sensor, and push button activation methods are available. Controllers are customizable to interface with round beacons, and other output devices not mentioned above. Poles not included.

DISCLAIMER: This document is not a substitute for engineering judgement, and is intended as a supplement to assist LightGuard Systems sales representatives and our customers with decision making. An engineer in the crosswalk jurisdiction should assess each location and recommend an appropriate treatment taking into consideration crash rate history, traffic flow, driver/pedestrian demographics, pedestrian activations/traffic, weather conditions, visibility, mobility, cost, sun exposure, nighttime pedestrian accident rates, and any other relevant information.