SMART-FLASH
RECTANGULAR RAPID FLASH BEACON (RRFB)
(SIGN RENFORCEMENT ON EXISTING OR NEW INSTALLATION)

As mentioned in the updated June 2018 SAFE TRANSFORMATION FOR EVERY PEDESTRIAN countermeasure technical sheet from the US Department of Transportation (FHA), RRFBs can REDUCE PEDESTRIAN CRASHES BY 47%. It also says that multiple lanes create challenges for pedestrian crossing at unsignaled locations. RRFBs can make crosswalks and/or pedestrians more visible at a marked crosswalk.

DISCRETE, LIGHT AND THIN DESIGN

EASY INSTALLATION ON STANDARD POSTS

WIRELESS AND PIEZOELECTRIC ACTIVATOR



THIN

LED TRAFFIC SIGN

POWERED BY TRAFFIC innovation

MUTCD compliant

Designed & Manufactured in North America

HIGH QUALITY

FEATURES OF THE SMART-FLASH RECTANGULAR RAPID FLASH BEACON (RRFB)



Aluminium Case
Light and resistant.
Installs like a standard traffic sign.

Powerful LED
Highly visible, durable and impact resistant

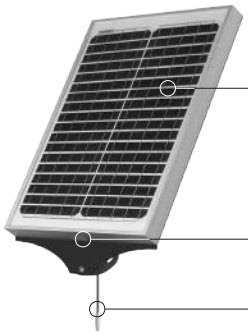
Side Light
Inform pedestrians of the flashing status.



Snap-in Connector
Small enough to be hidden inside pole.
IP 67 protection.

Controller
Photocell, flashing patterns, wireless communication and scheduled activation.

SOLAR POWER UNIT (ALL-IN-ONE & PLUG-AND-PLAY)



Monocrystalline Cells
Higher efficiency solar panel to optimise size.

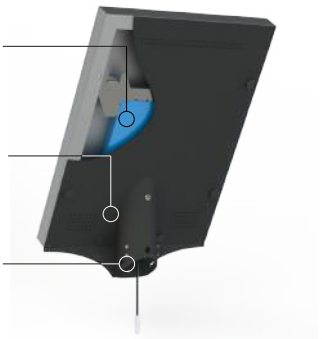
LED Status indicator

Snap-in Connector

Lithium LifePo4 battery
Light and slim.
15 years life expectancies.
Maintenance free

MPPT Charger
Increases charging efficiency by minimum 20% compared to PWM.

Universal mounting bracket
Top or side of pole installation.





WIRELESS AND BATTERY FREE (PIEZOELECTRIC) PUSH BUTTON (INCLUDED)



WIRELESS AND BATTERY FREE (PIEZOELECTRIC) (OPTION)



WIRELESS AND BATTERY FREE (PIEZOELECTRIC) PUSH BUTTON ON FLEXIBLE POST (OPTION)

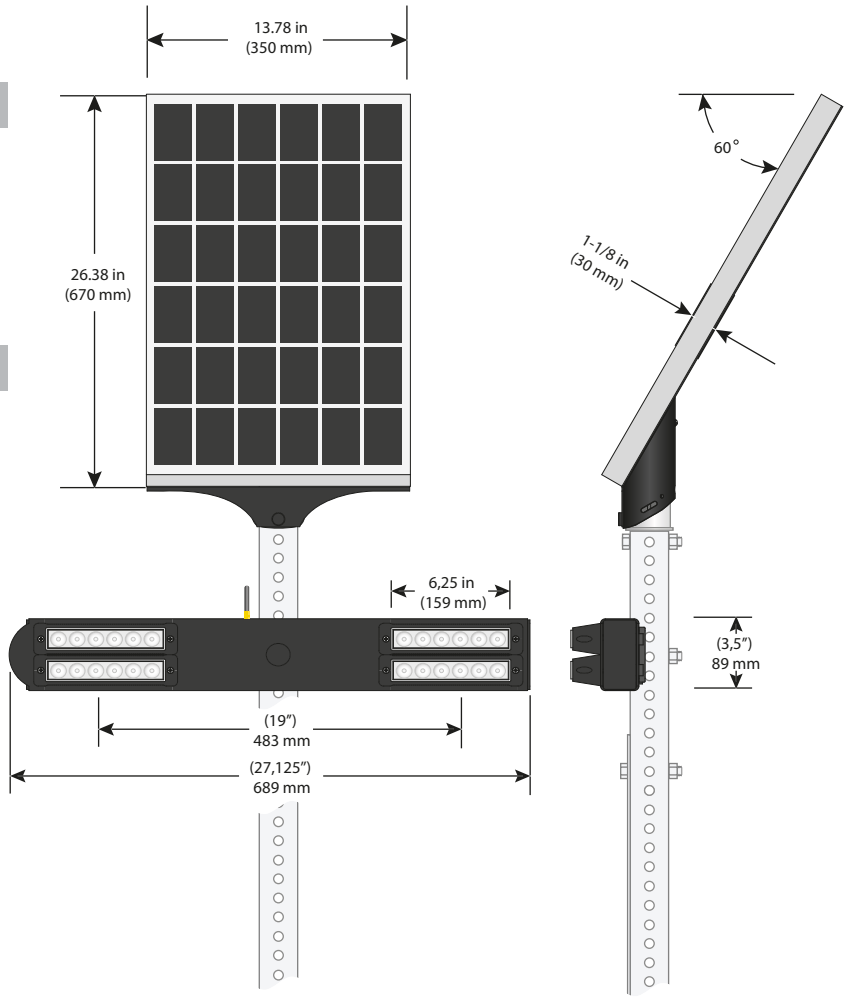


PEDESTRIAN SENSOR ACTIVATION (OPTION)

TECHNICAL SPECIFICATIONS OF THE SMART-FLASH RECTANGULAR RAPID FLASH BEACON (RRFB)

Solar Power Unit (All-in-one)	
Solar Panel	30 Watts Monocrystalline
LifePo4 Battery	12.8V - 14Ah
Solar charger	MPPT, 10 A, IP67
Connector	10mm OD, Male, 6 in, IP67
Operating temperature	-40 to + 165ºF (-40 to +74ºC)
Weight	7.7 kg (17 lb)

Flashing Beacon	
Flasher size	3 in x 6,25 in (72 x 159 mm)
Standard	SAE J595 class1
Color	Amber
Lens	UV resistant clear Polycarbonate
Life expectancy	100 000 hours
Visibility	More than 300 m (1000')
Auto-dimming	Variable based on ambient light
Voltage In	10,8 to 15 VDC
Max. Power @ 12 V	15 Watts
Wireless communication	Encrypted 902 MHz
Wireless Range	Up to 100m (300') free field
Connector	10mm OD, Male, 6 in, IP67
Flash Patterns	WW+S, BLOCK or 2-5 (MUTCD)
Flash Rate	60 per minute
Activation	On-demand
Default setting	WW+S, On-demand
Rectangular Housing	Aluminium Black Painted
Waterproof rating	IP65
Operating Temperature	-40 to +131°F (-40 à +50°C)
Weight	6,75 lb (3,1 kg)



Product Number	Description	Box : Dimension - Weight	HSS Code
Assembly Kit			
#37744	Single-Side Kit- Set of two (2) for **ONTARIO** crossing, 30W solar power unit	32 x 18 x 9 in - 40 lb	8530.90
#37723	Single-Side Kit- Set of two (2) for **USA, Alberta, BC** crossing, 30W solar power unit	32 x 18 x 9 in - 40 lb	8530.90
#37746	Double-Side Kit- Set of four (4) for **ONTARIO** crossing, 30W solar power unit	32 x 18 x 9 in - 49 lb	8530.90
#37724	Double-Side Kit- Set of four (4) for **USA, Alberta, BC** crossing, 30W solar power unit	32 x 18 x 9 in - 49 lb	8530.90
Activation Options			
#38129	Software Kit for configuration and pairing (USB Dongle + Software)	Included in kit box	N/A
#36463	Wireless and battery free Remote Control	Included in kit box	N/A
#37173	ONT- Wireless and battery free Push Button on a Flexible Post	8 x 8 x 40 in - 8 lb	8530.80
#36267	USA- Wireless and battery free Push Button on a Flexible Post	8 x 8 x 40 in - 8 lb	8530.80
#36886	Pedestrian Sensor Activation for 2-3/8" pole	Kit box (+ 2 lb)	N/A

Included in kit : Installation hardware for 2'' Telespar post, 2-3/8'' round pole, U-Post or streetlight pole.
Two (2) years Limited Warranty against defects in workmanship and materials.