



JSF
TECHNOLOGIES
ADVANCED TRAFFIC SOLUTIONS

www.JSFTech.com

sales@JSFTech.com

1-800-990-2454

AB-1400-40W Pedestrian Activated Flashing Beacon



SELF-CONTAINED 40 WATT SOLAR ENGINE



Solar Panel
Solar Cell - Monocrystalline Silicon
Rated Power (Pmp) 40 Watts
Rated Voltage (Vmp) 18 VDC
Rated Current (Imp) 2.2 Amps
CE and TUV certified

Solar Angle
7° (Flat)
44° (Standard)

Standard Battery Bank
2 x AGM 12V, 18 Ah - UL Recognized,
field replaceable

**Cold Weather
Battery Bank Option**
2 x AGM 12V, 16 Ah - UL Recognized,
field replaceable

**Solar Engine
Housing Material**
A5052 Sheet Aluminum (Enclosure)
6061-T6 Aluminum (Mount)

Solar Engine Dimensions
30.875" x 13.25" x 4.5" (78.4 x 33.7 x 11.5cm)*

POWER MANAGEMENT

Rated Usage
300 cycles per day, 25 second activation

Charged Capacity
Up to 30 days at rated usage

**Automatic Light
Control (ALC)**
Various stages of brightness for different
solar conditions and battery levels

SYSTEM PROTECTION

Low Voltage Disconnect
9.5 VDC

Over Current Protection
1.8 Amp PTC auto-reset fuse

Self Monitoring
Visual notification of sub-optimal operation

LED BEACON SIGNAL HEAD

Standard Followed
ITE VTCSTH-STD 2005

**LED Beacon Signal
Head Setup**
Single Head
Pole Top Mounting

Lens Material
UV Stabilized Polycarbonate

LED Housing
100% Polycarbonate

LED Size
8" Diameter (200 mm)*
12" Diameter (300mm)*

**LED Housing
Dimensions**
8" head - 14" x 10" x 6" (35 x 25 x 16 cm)*
12" head - 17" x 14" x 6" (44 x 25 x 17 cm)*

Std. LED Color Options
Amber or Red (custom colors available)

COMMUNICATION

Band of Operation
ISM Band (902-928 MHz)

Compliance
FCC and IC Compliant

Range
Up to 0.25 miles (400 m) with line of sight

Network Addresses
16 unique addresses to avoid interference
between multiple crosswalk locations

Compatibility
Can communicate with other AB units

SYSTEM OPTIONS

**LED & Solar Engine
Housing Colors**
Black, green or yellow,
custom colors also available

Mounting Options
Round Pole Collars: 2.5", 3.5", 5" and 6"
Square Wood Post Saddle: 4x4", 6x6"
Telespar & U-Channel: 2"
Side Mount Bracket: 12", 18"
and custom lengths available
Custom Mounts Available



1412-40W
44° Standard Angle
12" Amber LED

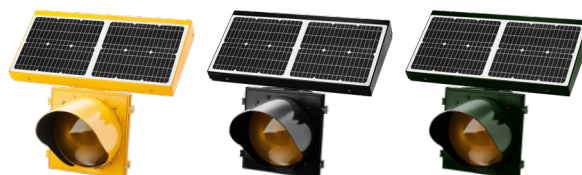
1408-40W
7° Standard Angle
8" Red LED

AVAILABLE WITH RED LEDS FOR STOP SIGNS, AMBER LEDS FOR WARNING SIGNS

SYSTEM OVERVIEW

Compliance	FHWA MUTCD compliant
Standard Operation	Pedestrian Activated via push button or JSFT remote transmitters
Flash Pattern Options	MUTCD Standard (0.5 seconds ON, 0.5 seconds OFF) JSFT Strobe Energy Efficient Flash Pattern**
Activation Duration	Variable from 5 seconds to 4 hours
Std. Operating Temperature	14°F to +165°F (-10°C to +74°C)
Cold Weather Upgrade Option	-40°F to +176°F (-40°C to +80°C)
System Voltage	12 VDC
Packaged Dimensions	8" head - 36" x 18" x 18" @ 58lbs (91 x 46 x 46 cm @ 26 kg) 12" head - 35" x 28" x 17" @ 70 lbs (89 x 71 x 43cm @ 32kg)*

SIGNAL HEAD AND SOLAR ENGINE AVAILABLE WITH STANDARD COLOURS;
YELLOW, BLACK, OR GREEN. CUSTOM COLOURS ARE ALWAYS AVAILABLE.



SALES

Toll-Free 1.800.990.2454
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SUPPORT

Toll-Free 1.800.990.2454
support@jsftech.com

ADDRESS

6582 Bryn Road,
Victoria, BC V8M 1X6

WARRANTY 5-year Limited Warranty for defects in workmanship and materials (excludes batteries and vandalism)

*All measurements and weights are approximate **50% power consumption of MUTCD



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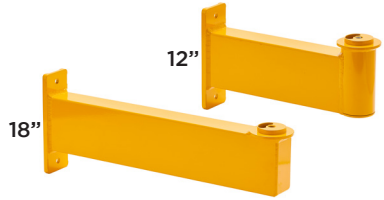
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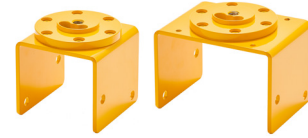
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ROUND COLLARS



MOUNTING ARMS
(CUSTOM LENGTHS AVAILABLE)



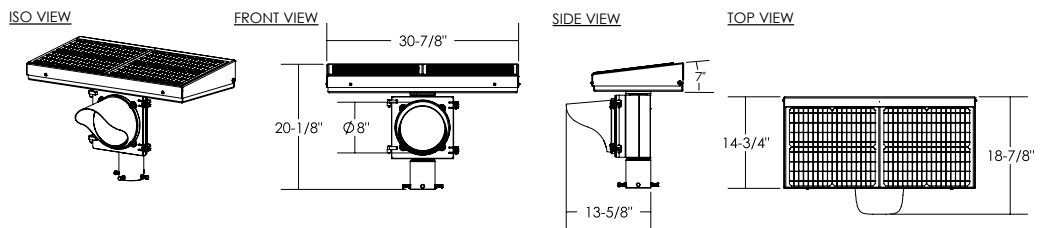
WOOD POSTS



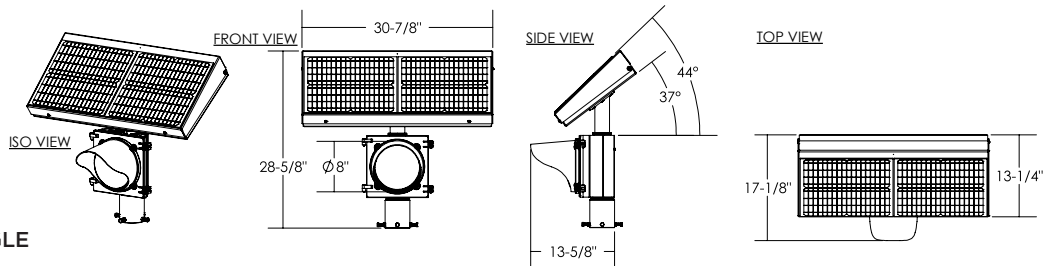
TELESPAR
MOUNT

MOUNTING OPTIONS

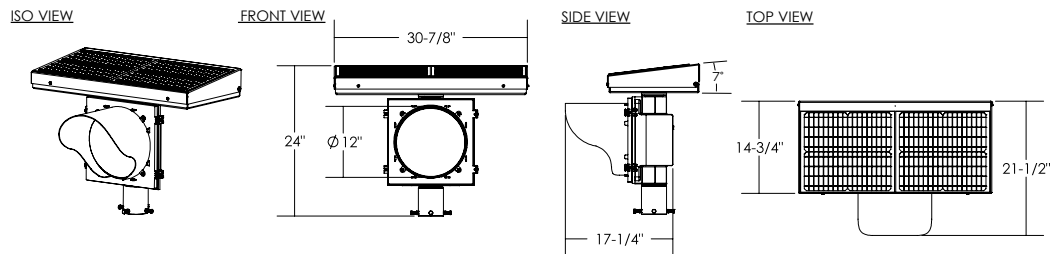
AB-1408-40W
FLAT PANEL ANGLE



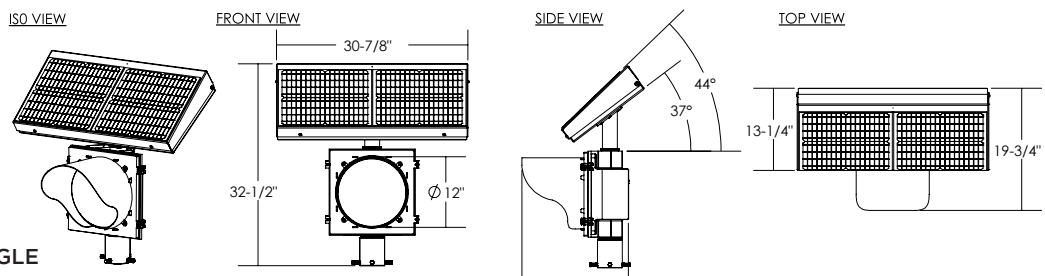
AB-1408-40W
STANDARD PANEL ANGLE



AB-1412-40W
FLAT PANEL ANGLE



AB-1412-40W
STANDARD PANEL ANGLE



SYSTEM DRAWINGS

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