PEDESTRIAN CROSSING & PEDESTRIAN LIGHT PATH SAFETY SYSTEMS
PCSS Overview Features

1. Reflective vinyl caution graphic
2. Flashing LED Units
3. Flashing pedestrian symbol
4. Outdoor black-out LED direct-view amber wide angle flashing pedestrian symbol
5. 7 inch LED illuminated “XING” copy
6. Adjustable aluminum base
7. Louvered panel disperses ultra-bright, pure-white LED illuminated light beam that projects over 16 feet
8. Side C --- Optional branding/wayfinding/advertising graphics application area (optional control placement)
9. Standard Unit 120/277 Vac, Less than 2 AMPS*
10. Integral Push Button Activation with wireless communication bollard mounted Motion Sensor Activation optional
PEDESTRIAN CROSSING SAFETY SYSTEM
INTERIOR STRUCTURE

PCSS
Interior Structure

1 (1) Louver Retainer Left 4'-9" x 7" x .100"
2 (1) Louver Pocket 6'-6" x 2'-1 1/8" x .100"
3 (1) Louver Retainer Right 4'-9" x 7" x .100"
4 (1) Flood LED Retainer 71" x 11-5/8" x .050"
5 (1) Square Post 84" x 4" x 4"
6 (1) Aluminum Mounting 48" x 2.88"
7 (3) Corner Key Supports 1'-1/2" x 1'-1/2" x 15-1/2"
8 (1) Thick Top Baseplate 14" x 3/8"
9 (1) Thick Bottom Baseplate (Optional) 4'-9" x 7" x .100"

PEDESTRIAN CROSSING SAFETY SYSTEM INTERIOR STRUCTURE

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PCSS
Electrical Components

1. CB-PX R1
   2017-07-11 Control Board with Wireless Capability

2. (2) 100 Watt Hanley Power Supply
   Part #H100W-PPS5

3. (1) 60 Watt MaxBrite Power Supply
   Part #MDS12760-12

4. (1) 20 Watt MaxBrite Power Supply
   Part #SLS27720-12

5. (6) Surface Mount Super LED Light Heads
   Part #MCRNSA *See page 5

6. NEMA 3 Electrical Enclosure
   10" x 10" x 4"
   Model #RSC101004RC *See page 5
PEDESTRIAN CROSSING SAFETY SYSTEM

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PEDESTRIAN CROSSING SAFETY SYSTEM
BASE PLATE & FOUNDATION DETAIL

48"

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PEDESTRIAN CROSSING SAFETY SYSTEM
OPTIONAL - BOLLARD ACTIVATION DETAIL

Conduit Details
by others

Dual Beam Directional Pedestrian Sensors

(Conduit A)
120-277 Vac in from External Power Source
24 Vdc from Pedestrian Crossing Unit to Bollards/Signal Wires from Sensor Bollards to Light Path Unit

(Conduit B)
12 Vdc from Pedestrian Light Path Unit
Signal Wires from Sensor Bollards to Pedestrian Light Path Unit

(Conduit C)
120-277 Vac in from External Power Source

Overview Features

1. Durable-weather, rust-resistant aluminum body construction with high-performance, 100%-acrylic-polyurethane finish

2. Low-power consumption
   (1 amp @ 120v supply or .5 amp @ 277v supply)

3. Advanced louver design directs lighting, preventing blinding of drivers and pedestrians - Lexan® cover for debris-free louvers

4. Long-life, high-intensity LED lighting technology

5. Modular component construction - easy maintenance

6. Integral push button activation with wireless communication. Optional - Bollard mounted directional-motion-sensor activation

7. Louvered panel disperses ultra-bright, pure-white LED illuminated light beam that projects over 16 feet

8. Custom graphic area

Easy to operate: no programming required – install with conventional tools.
LIGHT PATH SAFETY SYSTEM FOUNDATION (BY OTHERS)

Foundations by Others

1/2"-13 Threaded Rod with Washers and Nuts

3/16" Conduit Pass Through Point

5 7/16" 1 1/2" Ø Conduit

3" 8" Ø Caisson Foundation

37 7/8" 10 9/16" 27 7/8"

56 3/8" 48"

35° Swing

8"Ø 11 11/16"

11 1/8" 1 1/8" 9 1/2" CC

35° Swing

1/2" = 1'
**LPSS Exploded View**

A. Front lens retainer panel
B. Custom graphic area
C. .125” polycarbonate front lens
D. .050” aluminum custom routed louver retainer panel assembly with high-intensity-LED lighting modules
E. Louver retainer
F. Electronic component encloser
G. Wireless communication module
H. Power control module
I. Low-voltage terminal block
J. P20 extruded aluminum frame with welded baseplate
K. Power connection box with 20 Amp disconnect switch
L–M. 2-piece custom aluminum extruded baseplate cover
N. 120-277 vac to 24Vdc power supply
O. .100” aluminum rear access panel
P. .050” rear lighting deflector with 2 low intensity accent LEDs
Q. .100” aluminum rear lighting access panel
R. .125” polycarbonate lens
S. Activation push button
T. Custom push to walk graphic
LIGHT PATH SAFETY SYSTEM
WIRING DETAILS

Control Layout Details

- Wireless Control Module
- Power Control Relay
- High Intensity LED Modules
- 24 Vdc Power Block
- 24 Vdc Power Supply
- 120/277 Volt ac Power Connection Box with 20 amp SPST Disconnect Switch

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LIGHT PATH SAFETY SYSTEM
OPTIONAL - BOLLARD ACTIVATION DETAIL

Conduit Details
by others

Dual Beam Directional Pedestrian Sensors

(Conduit B)
12 Vdc from Pedestrian Light Path Unit
Signal Wires from Sensor Bollards to Pedestrian Light Path Unit

(Conduit A)
120-277 Vac in from External Power Source

(Conduit C)
24 Vdc from Pedestrian Crossing Unit to Bollards/Signal Wires from Sensor Bollards to Light Path Unit

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**LPSS**

**Bollard Foundation Details**

A 2 1/4" x 10" flat cap

B Protective all-weather hood

C Dual-beam-pedestrian sensors

D 2 1/4" x 10" x 3/8" Aluminum bollard post with welded baseplate

E 8" x 8" Custom decorative baseplate cover (shown slid up on post for easy anchor access)

**36-48” Depth to extend below location frost line to be able to maintain proper alignment of sensors**

**12” Diameter**