

SITE PHOTOMETRICS

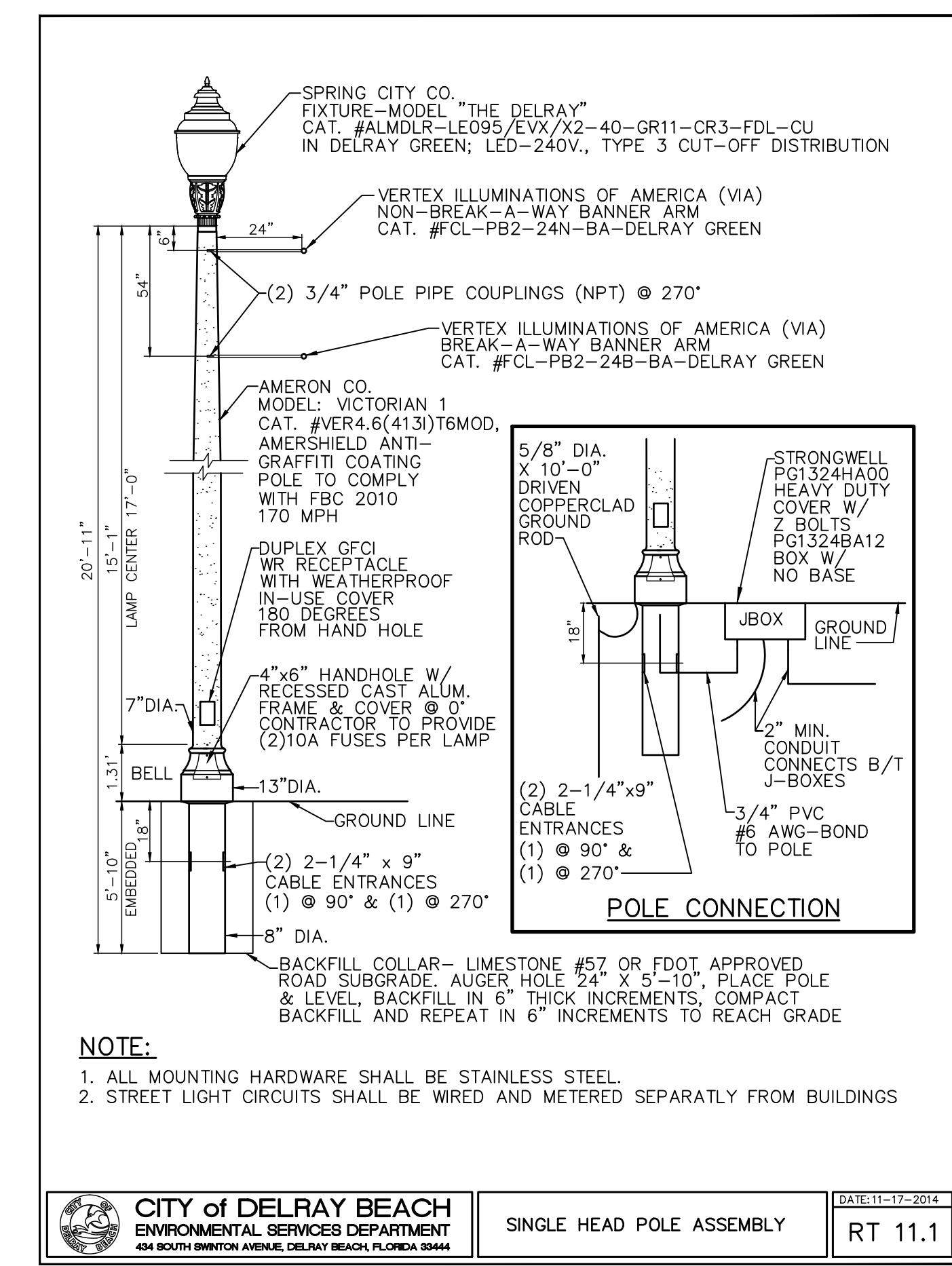
SCALE: 1" = 20'

SITE LIGHTING

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LIF	Description
+	5	SA	SINGLE	0.900	Xtra Light VNT1LED50110045NDIM520XXBZHOH5
+	3	SB	SINGLE	0.900	Xtra Light VNT1LED5010723MNDIM520XXBZHOH5

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Alley Way	Illuminance	Fc	0.57	0.8	0.3	1.90	2.67
Parking Lot #1	Illuminance	Fc	3.05	4.9	1.0	3.05	4.90
Parking Lot #2	Illuminance	Fc	2.37	4.0	1.0	2.37	4.00
Spill	Illuminance	Fc	0.05	0.3	0.0	N.A.	N.A.
STREET	Illuminance/Field survey	Fc	2.46	20.3	0.4	N.A.	N.A.

*FDOT HAS A 1 FC AVERAGE MIN. REQUIREMENTS FOR COLLECTOR STREETS PER 231.2.1 OTHER ROADWAYS.



CITY of DELRAY BEACH
ENVIRONMENTAL SERVICES DEPARTMENT
424 SOUTH BROWNTON AVENUE, DELRAY BEACH, FLORIDA 33444

SINGLE HEAD POLE ASSEMBLY DATE: 11-17-2014

RT 11.1

**DELRAY COMM. MISS. BAPTIST
CHURCH**
CLASS V APPLICATION
SW 5TH AVENUE
DELRAY BEACH, FLORIDA 33444

THE WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THIS DRAWING AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS.

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PROJECT NO: 18-194

DATE: 05.22.2019

DRAWN BY: A.M.

CHECKED BY: S.S.

REVISIONS:

△ 3rd SUBMITTAL (5.18.21)

△ 4th SUBMITTAL (12.13.21)

△ 5th SUBMITTAL (3.20.22)



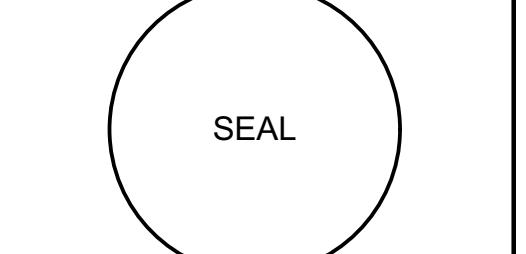
PHOTOMETRIC PLAN

PH.1



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SEAL
STEVEN W. SIEBERT
FLORIDA AR0017634
NEW JERSEY 21A101517500
TEXAS 26934

Project Name	Date
Catalog #	Type

VIENTO SMALL

AREA & SITE LED LUMINAIRE



Viento
AREA LIGHT

FEATURES

- Outstanding photometric performance results in sites with excellent uniformity, optimal pole spacing and lower power density.
- Optics are completely sealed against moisture and environmental contaminants (IP66).
- Low profile architectural design offers a contemporary appearance with excellent light output and is night sky friendly.
- Field serviceable luminaire utilizing Lumileds LED technology.
- Controls ready luminaire for independent operation or remote management.
- Operating temperature: -40°C to +50°C (-40°F to +122°F)

CONSTRUCTION

- Housing: One-piece die-cast aluminum has integral heat sink fins to optimize thermal management through conductive and convective cooling.
- The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life.
- Housing and door are protected with a thermoset TGIC-polyester powder coat finish using a tightly controlled multi-stage process to a uniform 3 mil thickness (min). This finish provides superior protection from corrosion and maximum environmental durability.
- Powder coat finish in bronze, white or custom colors (consult factory).

MOUNTING

- Integral arm with key hole slot facilitates quick and easy installation.
- Nut plate eliminates loose hardware in the pole and reduces installation labor.



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AREA & SITE LED LUMINAIRE

ORDER LOGIC

SAMPLE CATALOG NUMBER: VNT-LED-S-01-100-3M-N-DIM-4-20-X-X-BZ-HO

VNT LED	S	01		DIM			HO	
Size & Model Combinations:	MODULES	OPTICS	DRIVER	SURGE	MOUNT	HIGH OUTPUT		
VNT-LED-S-01-025	01	2M Type II Medium 2S Type II Short 3M Type III Medium 4S Type IV Short 5M Type V Square Medium	DIM Dimmable Multi-Volt 120-277V HVD Dimmable 347-480V	20 20kV/20kA (Std)	X None (Std) A Angle Mount	HO		
VNT-LED-S-01-052								
VNT-LED-S-01-072								
VNT-LED-S-01-100								
SIZE	MODEL	ORIENTATION	CCT	CONTROLS	COLOR	OPTIONS		
S Small	025 052 072 100	N Normal (Forward) R ¹ Right L ¹ Left	3 3000K 4 4000K 5 5000K	X None (STD) 3 ² Twist-Lock Receptacle, 3-pin 5 ² Twist-Lock Receptacle, 5-pin 7 ² Twist-Lock Receptacle, 7-pin B FSP-211L3@20'MH/40'DIA D FSP-211L7@40'MH/100'DIA	BZ Bronze WH White	HS ¹ House Side Shield		

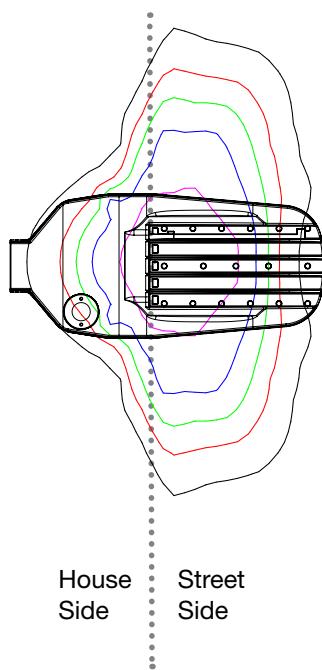
1. Not available with 5M Optics.

2. Photocontrol not included.

Rotated Asymmetric Optics (Type II, Type III & Type IV)

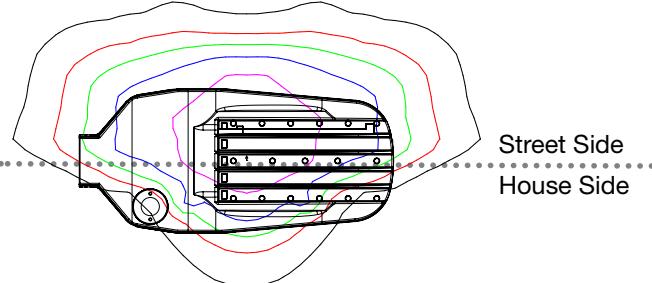
Normal (3MN)

Top View



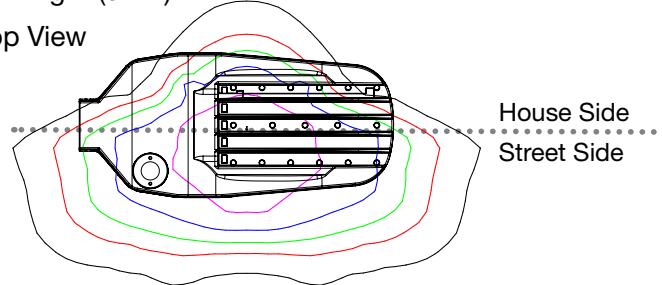
90° Left (3ML)

Top View



90° Right (3MR)

Top View



(For more information about the House Side Shield Optics Accessory see page 6.)

XtraLight™
LED Lighting Solutions

VNTLED-SMALL
190905

WORKING HARDER. LIGHTING SMARTER.®

www.xtralight.com • (800) 678-6960 • customerservice@xtralight.com

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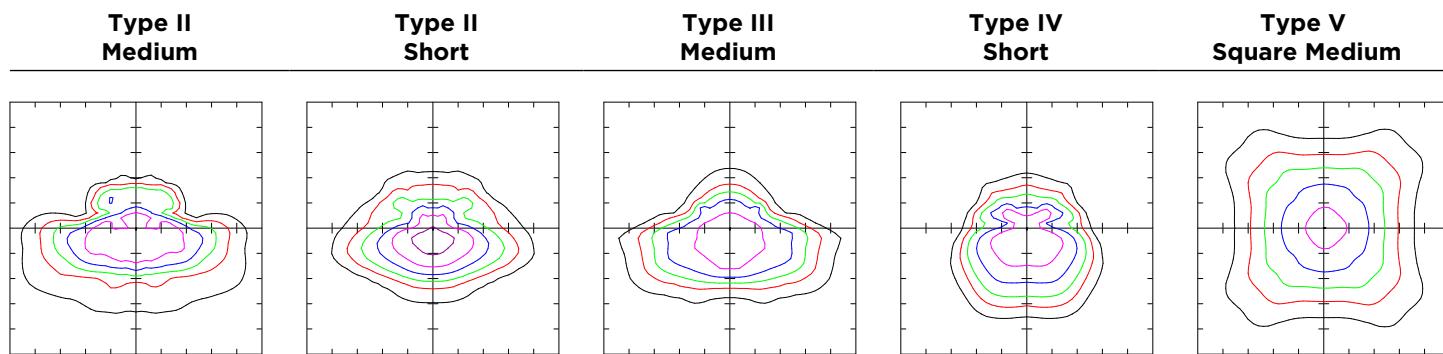
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AREA & SITE LED LUMINAIRE

IES DISTRIBUTION TYPES

ISO Lines

Distance in Units of Mounting Height Values Based on 25 Foot Mounting Height.



PHOTOMETRIC DATA

Type II Medium				
Model	CCT	Lumens	System Watts	Lm/W
025	5000K	3817	27.3	140.0
052	5000K	7106	52.7	134.8
072	5000K	10068	77.4	130.1
100	5000K	13768	108.2	127.2

Type II Short				
Model	CCT	Lumens	System Watts	Lm/W
025	5000K	3837	27.3	140.7
052	5000K	7143	52.7	135.5
072	5000K	10120	77.4	130.7
100	5000K	13839	108.2	127.9

Type III Medium				
Model	CCT	Lumens	System Watts	Lm/W
025	5000K	3809	27.3	139.7
052	5000K	7091	52.7	134.6
072	5000K	10047	77.4	129.8
100	5000K	13739	108.2	127.0

Type IV Short				
Model	CCT	Lumens	System Watts	Lm/W
025	5000K	3845	27.3	141.0
052	5000K	7158	52.7	135.8
072	5000K	10142	77.4	131.0
100	5000K	13869	109.2	127.1

Type V Medium				
Model	CCT	Lumens	System Watts	Lm/W
025	5000K	4281	27.8	154.0
052	5000K	7894	53.7	147.0
072	5000K	10775	77.4	139.2
100	5000K	14735	109.1	135.0

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AREA & SITE LED LUMINAIRE

DIMENSIONAL DATA

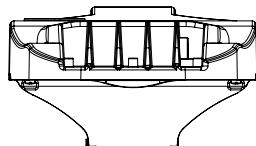
- WEIGHT: 10.93 LBS
- 24.09" L X 11.07" W X 6.4" H

Single
EPA: 0.68 sq. ft.

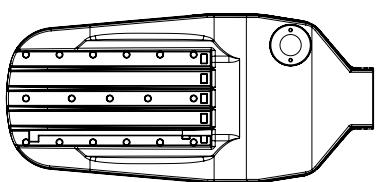
Two at 90°
EPA: 1.02 sq. ft.

Two at 180°
EPA: 1.36 sq. ft.

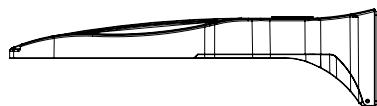
Front View



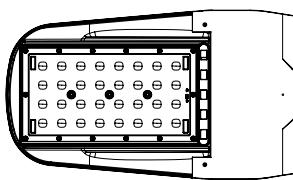
Top View



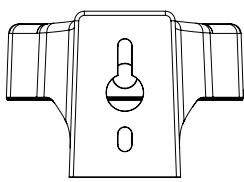
Side View



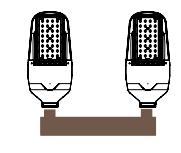
Bottom View



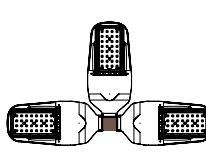
Back View



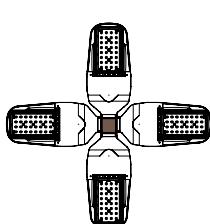
Dual SSA
EPA: 0.68 sq. ft.



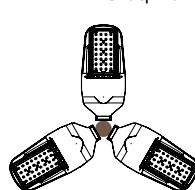
Three at 90°
EPA: 1.7 sq. ft.



Four at 90°
EPA: 1.7 sq. ft.

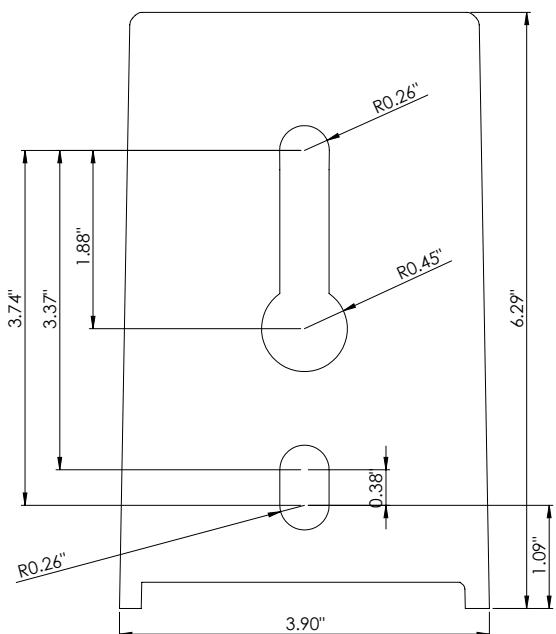


Three at 120°
EPA: 1.45 sq. ft.

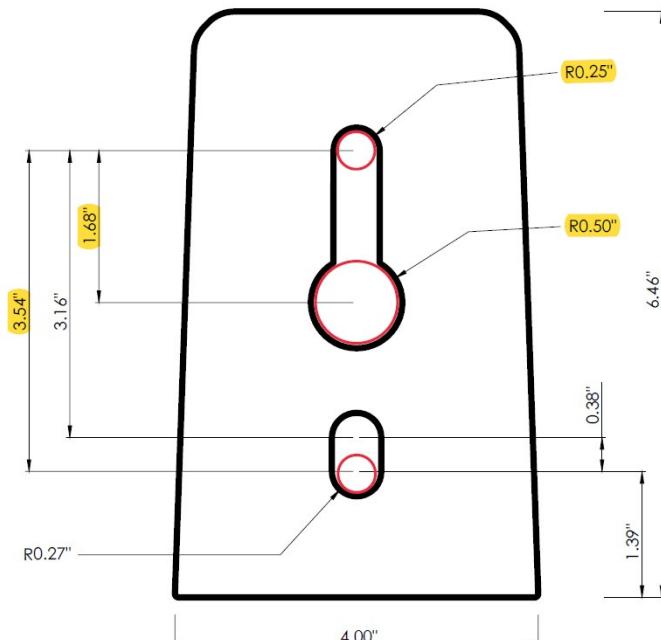


MOUNTING DETAIL

BACK OF INTEGRAL ARM



POLE MOUNTING GUIDE



4" Pole Mounting Machine Pattern Details (Red Circles)

- Top 0.50" DIA hole to be no less than 2" from the top of the pole.
- 2x 0.50" DIA holes @ 3.50" apart (bolt holes), centered on pole face.
- 1x 1.00" DIA holes @ 1.68" below the top hole (wireway), centered on pole face.

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AREA & SITE LED LUMINAIRE

LIGHTING CONTROLS



LINE VOLTAGE HIGH/LOW/OFF PIR FIXTURE INTEGRATED OUT-DOOR PHOTO/MOTION SENSOR | FSP-211

Fully adjustable high and low dimmed light levels; optional dusk to dawn control

Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles

Hold off setpoint with automatic calibration option for convenience and added energy savings



Adjustable via handheld wireless configuration tool

IP66 rated with choice of lenses for wet and outdoor locations, and mounting heights from 8' to 40'

Adjustable time delay and cut off delay



Description

The FSP-211 mounts in an outdoor lighting fixture and provides multi-level control based on motion and/or daylight contribution. It controls 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

Operation

Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

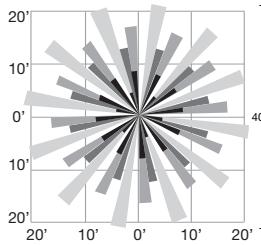
Wireless Handheld Configuration Tool

Initial setup and subsequent sensor adjustments are made using a handheld configuration tool (FSIR-100). This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The FSIR-100 is also used to initiate automatic calibration of the FSP-211 ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at low level when there is sufficient daylight. The wireless tool stores up to six sensor parameter profiles to speed configuration of multiple sensors.

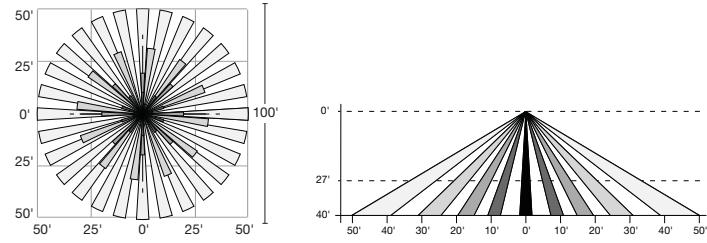
Applications

The slim, low-profile FSP-211 is designed for installation inside the bottom of a light fixture body. When fully assembled and installed in an IP66-rated fixture, the sensor and FSP-Lx lenses are IP66 outdoor rated. The sensor is ideal for areas such as parking facilities, gas stations, pedestrian pathways and warehouses. A choice of four lenses ensures complete coverage for mounting heights up to 40'.

OPTION B FSP-211L3 20' Mounting Height 40' Diameter



OPTION D FSP-211L7 40' Mounting Height 100' Diameter



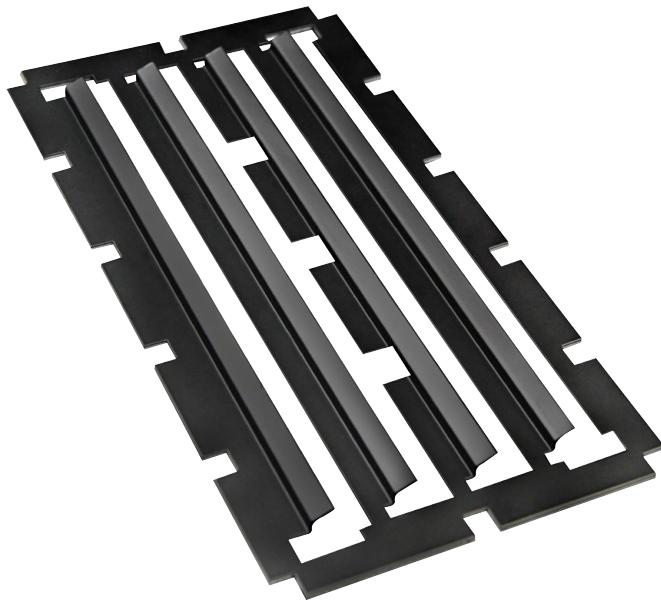
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AREA & SITE LED LUMINAIRE

HOUSE SIDE SHIELD OPTICS ACCESSORY



Medium Viento Shown With House Side Shield

FEATURES

- Significantly reduces backlight to minimize light trespass.
- Available for Type II Medium (2M), Type II Short (2S), Type III Medium (3M) and Type IV Short (4S) optics, both NORMAL and rotated LEFT/RIGHT.
- Factory installed as an option when ordered with the luminaire.
- Field installable (tool-free) when ordered as a separate accessory.

CONSTRUCTION

- Low-profile, precision fabricated CNC design.
- Flat black TGIC-polyester powder coat finish using tightly controlled multi-stage process to a uniform 3 mil thickness (min).
- This finish provides superior protection from corrosion and maximum environmental durability.

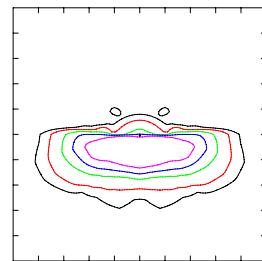
DIMENSIONS

- 11.38" L x 6.13" W x 0.4" H
- Weight: 0.45 lbs

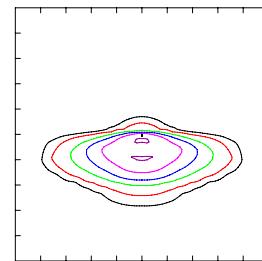
IES DISTRIBUTION TYPES

ISO Lines Distance in Units of Mounting Height Values
Based on 25 Foot Mounting Height

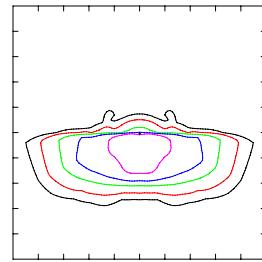
Type II Medium + HSS



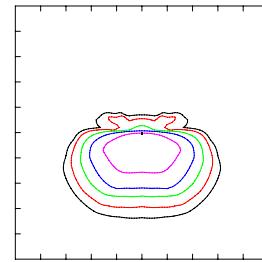
Type II Short + HSS



Type III Medium + HSS



Type IV Short + HSS



ORDER LOGIC

VNT	-	HSS	-		-	
ACCESSORY		OPTICS		SIZE		
HSS	House Side Shield	N	Normal	SM	Small	
		LR	Rotated Optics	MED	Medium	
				LRG	Large	

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AREA & SITE LED LUMINAIRE

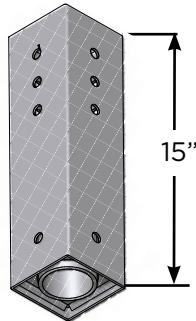
MOUNTING ACCESSORIES

Standard in Bronze and White (custom colors available, consult factory).



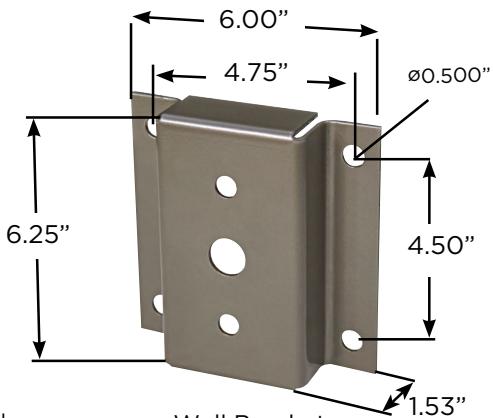
Shoulder-to-Shoulder Adaptor
SSA

EPA: 0.90 sq. ft. - 27 lbs



Tenon Mount Adaptor - Square or Round
TMAS 4"/5"/6" SQ
TMAR 4"/5" DIA*

EPA: 0.4 sq. ft. 10 - 16 lbs
*Requires Round Pole Adaptor **VNT-RPA**



Wall Bracket
VNT-WB



Tenon Wall Bracket
Horizontal Mount
MS1676

8" Square Plate - 2 $\frac{3}{8}$ " OD

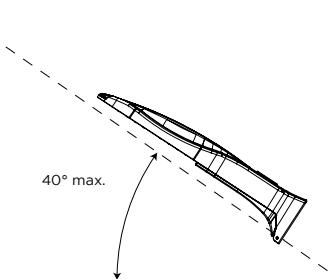
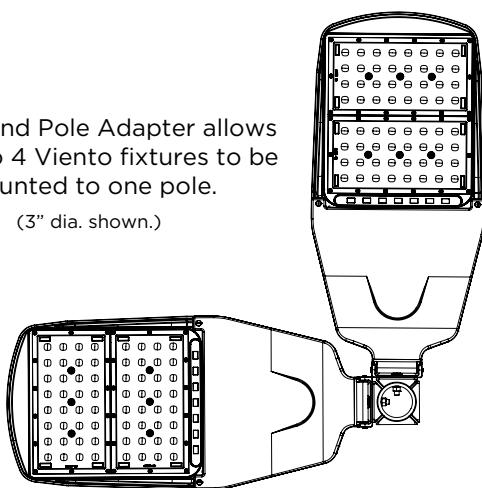


Round Pole Adaptor
VNT-RPA
3" to 5" Diameter
EPA: 0.03 sq. ft. - 0.75 lbs.



Adjustable Slip Fitter
VNT-ASF
(180° - 10° increments)
EPA: 0.127 sq. ft. - 6.0 lbs

The Round Pole Adapter allows for up to 4 Viento fixtures to be mounted to one pole.
(3" dia. shown.)



NOTES:

1. Viento with ASF accessory needs to be ordered with "A" mounting code (see Ordering Guide for details)
2. Note: No more than 40° up angle.