



LED Wattage Chart

Drive Current	80L	96L
350 milliamps	-	100W
530 milliamps	-	151W
700 milliamps	170W	199W
1050 milliamps	263W	316W

FORM AND FUNCTION

- Sleek, low profile housing
- Engineered for optimum thermal management
- Low depreciation rate
- Optical system designed for:
 - Parking Lots
 - Commercial Applications

CONSTRUCTION

- Die Formed heavy duty Aluminum
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



Project Name:

Type:

VSS-2-SPMX ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Drive Current	Color Temp./CRI	Voltage	
Value Series Round 2 (VSR-2)	Standard Silicone Micro Optics		Standard Configurations		Amber LED 595nm Dominant Wavelength Standard Turtle Friendly (AMBER) ^{1, 6, 7, 8} Amber LED Phosphor Converted (AMBER/PC) ^{1, 6, 7, 8} 2700K, 70 CRI (27K7) ² 2700K, 80 CRI (27K8) ² 3000K, 70 CRI (30K7) ² 3000K, 80 CRI (30K8) ² 3500K, 80 CRI (35K8) ² 4000K, 70 CRI (40K7) ² 4000K, 80 CRI (40K8) ² 5000K, 70 CRI (50K7) ² 5000K, 80 CRI (50K8) ²	
	Type 2 (T2)	80 LED (80L)	1050 mA (1)	120V-277V (UNV)		
	Type 3 (T3)	96 LED (96L)		347V-480V (HV)		
	Type 4 (T4)					
	Type 5 (T5)					
	Performance Silicone Micro Optics		Standard Configurations			
	Type 4 Forward Throw Wide (For Perimeters) (T4FTW)	80 LED (80L)	700 mA (7)			
	Type 5 Wide (for Improved Uniformity & Wider Pole Spacing) (T5W)	96 LED (96L)	1050 mA (1)			
			Performance Plus Configurations*			
			96 LED (96L)	350 mA (35) 530 mA (53)		

* Performance Plus configurations with our New Performance Silicone Optics.
(For the ultimate performance of the New Performance Silicone Optics combine highest chip count with High Efficacy Drive Currents)

Mounting	Color	Controls Options	Options
Spider Mount (4-Bar) Slips Over 2-3/8" Tenon (SPM2)	Bronze Textured (BRZ)	Nema 7-Pin Receptacle (PE7)	Bird Spikes (BS)
Spider Mount (4-Bar) Slips Over 3" Tenon (SPM3)	White Textured (WHT)	Photocell + Receptacle (PCR)	Marine Grade Finish (MGF)
	Smooth White Gloss (SWT)	Receptacle + Shorting Cap (PER)	Quick Mount Bracket (QMB)
	Silver Metallic (SVR)	FSP-211 w/Motion Sensor/Photocell (120/277VAC,230-240VAC)	Rotated Optic Left (ROL)
	Black Textured (BLK)	8' Heights (FSP211-8) ^{4,10}	Rotated Optic Right (ROR)
	Smooth Black Gloss (SBK)	9'-20' Heights (FSP211-20) ^{4,10}	Single Fuse (SF)
	Graphite Textured (GPH)	21'-40' Heights (FSP211-40) ^{4,10}	Double Fuse (DF)
	Grey Textured (GRY)	FSP-221 w/Motion Sensor/Photocell (100/347VAC,208/230/480VAC)	Black Optical Frame (BOF) ¹
	Green Textured (GRN)	8' Heights (FSP-HV-8) ¹¹	House Side Shield (HSS)
	Hunter Green Textured (HGN)	9'-20' Heights (FSP-HV-20) ¹¹	Buy American Act (BAA) ³
	Custom (CS)	21'-40' Heights (FSP-HV-40) ¹¹	Trade Agreement Act (TAA) ³
		Custom Controls Integration (CCI) ⁹	Build America Buy American (BABA) ³
		Button Type Photocell (PC) ⁴	
		FSP Remote (FSIR) ¹²	
		DALI-2 (D2) ⁹	

NOTES:

1. Consult Factory for Lead Time
2. Consult Factory for 90 CRI Requests
3. Consult factory for all BAA/TAA/BABA requests
4. Universal Voltage 120V-277V
5. 3000K or lower, w/fixed mounting options only. Must be selected to meet International Dark-Sky Association certification
6. Turtle Safe
7. Not available above 530mA
8. See estimated scaling chart for multiplier values to estimate lumen output Please contact Factory to verify the estimated performance data
9. Please contact Factory for Custom Control Integration requests (nLight,NX, WaveLinx, Crestron, DMX/RDM, Synapse,Casambi, Dali II, AvI-On, or other control systems
10. FSP-211, 120V/277V, 230-240VAC (single phase), 50/60Hz
11. FSP-221, 100-347VAC (single phase) or 208/230/480VAC (phase-to-phase)
12. Projects with sensors require Qty. 1 FSIR per project.
13. See estimated scaling chart for multiplier values to estimate lumen output Please contact Factory to verify the estimated performance data



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PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies as standard.

OPTIONS

- BIRD SPIKES (BS)—Offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.
- MARINE GRADE FINISH (MGF)—A multi-step process creating protective finishing coat against harsh environments.
 - Chemically washed in a 5 stage cleaning system.
 - Pre-baked
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- HOUSE SIDE SHIELD—House Side Shield (HSS) is designed for full property line cut-off.
- ROTATED OPTICS (ROL) (ROR) - Rotated optics are designed for perimeter lighting for auto dealerships
- BLACK OPTIC FRAME (BOF) - Optional black optic frame. (includes black hardware) Standard is white

CONTROLS

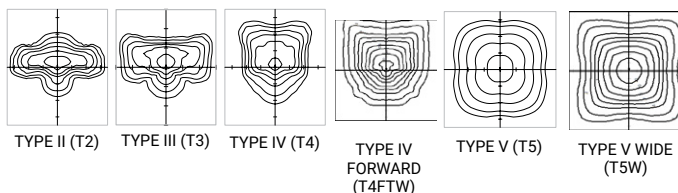
- **FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)** (FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- **FSP-221 w/Motion Sensor/Photocell (100-347VAC, 208/230/480VAC)** (FSP-HV-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
 - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
 - FSP-8 mounting heights 8 feet and below
 - FSP-20 mounting heights 9-20 feet.
 - FSP-40 mounting heights 21-40 feet.
 - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.
 - FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.

- NEMA 7-PIN RECEPTACLE (PE7)—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

- IES Types



FINISH

- 5 mils electrostatic powder coat.
- NLS' standard high-quality finishes prevent corrosion protects against extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- UL Listed in compliance with UL 1598, the Standard for Safety of Luminaires, including the applicable wet location requirements
- CSA C22.2 No. 250.0
- IP65/ IP67 Rated
- Dark Sky Approved
- IK10 Rated

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

<https://nslighting.com/buy-american/>



3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.



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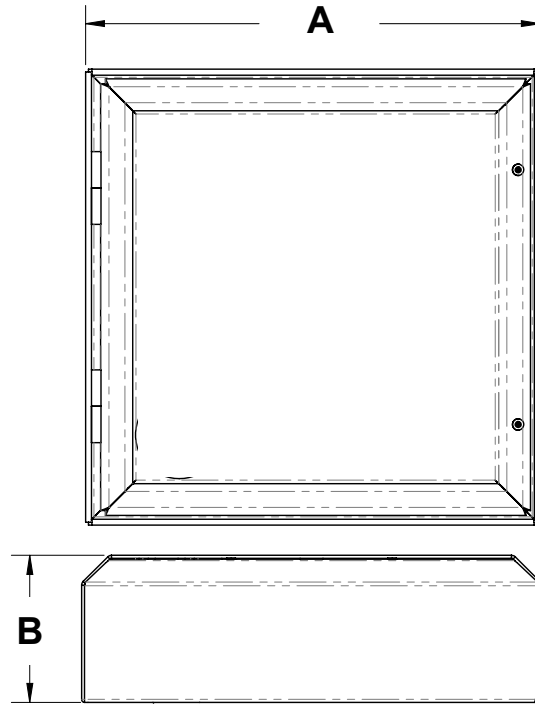
nslighting.com

PRODUCT SPECIFICATIONS

DIMENSION	VSS-2
A	21.5 in SQ
B	8 in.
Weight	28 lbs

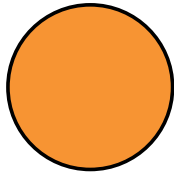
EPA

EPA	SGL	D90	D180	T90	T120	QD
VSS-2	1.13	2.26	2.26	3.40	3.07	4.52

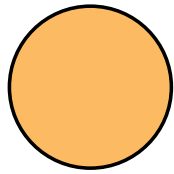


PRODUCT SPECIFICATIONS

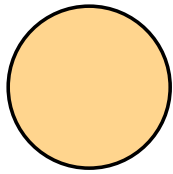
LED KELVIN RANGE



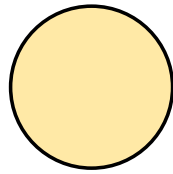
AMBER
585-600 nm



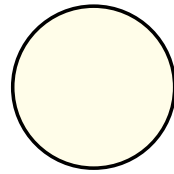
2700K 70 CRI



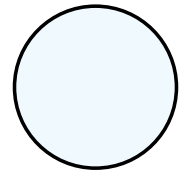
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

Lumen Maintenance Data							
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours*
25°C	1050mA	38,000	96,000	93.0%	85.4%	81.8%	68.8%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

LUMEN MULTIPLIERS

Multipliers For 70/80/90 CRI (Scaling Factor from 5000K 70 CRI)			
CCT	70 CRI	80 CRI	90 CRI
2700K	0.840	0.737	0.609
3000K	0.975	0.776	0.640
3500K	0.890	0.800	0.659
4000K	1.000	0.815	0.679
5000K	1.000	0.830	0.710

Multipliers For Amber & PC Amber (Scaling Factor from 5000K 70 CRI)	
CCT	Multiplier
AMBER - Amber LED 595nm Dominant Wavelength - Standard Turtle Friendly	Consult Factory for estimated lumens and wattage
AMBER/PC - Amber LED Phosphor Converted	Consult Factory for estimated lumens and wattage

LENS MULTIPLIERS

Lens Type	Multiplier
CFL - Clear Tempered Glass Lens	0.8500
DPCL - Diffused Polycarbonate Visual Comfort Lens	0.6000
HAL - Yellow Polycarbonate Lens - less than 2% Blue Light Content	0.7000

PRODUCT SPECIFICATIONS

LUMEN CHARTS - STANDARD MICRO OPTICS

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 80 LED

Part Number	T2	LPW	T3	LPW	T4	LPW	T5	LPW	Wattage
VSS-2-SPMX-80L-1-27K7	25784	98	25054	95	24811	94	26270	100	263
VSS-2-SPMX-80L-1-27K8	24145	92	23462	89	23234	88	24601	94	263
VSS-2-SPMX-80L-1-30K7	27878	106	27089	103	26826	102	28404	108	263
VSS-2-SPMX-80L-1-30K8	25890	98	25157	96	24913	95	26378	100	263
VSS-2-SPMX-80L-1-35K8	25890	98	25157	96	24913	95	26378	100	263
VSS-2-SPMX-80L-1-40K7	31823	121	31560	120	31034	118	33138	126	263
VSS-2-SPMX-80L-1-40K8	29456	112	29212	111	28726	109	30673	117	263
VSS-2-SPMX-80L-1-50K7	31823	121	31560	120	31034	118	33138	126	263
VSS-2-SPMX-80L-1-50K8	29456	112	29212	111	28726	109	30673	117	263

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 96 LED

Part Number	T2	LPW	T3	LPW	T4	LPW	T5	LPW	Wattage
VSS-2-SPMX-96L-1-27K7	30980	98	30103	95	29811	94	31564	100	316
VSS-2-SPMX-96L-1-27K8	29011	92	28190	89	27916	88	29558	94	316
VSS-2-SPMX-96L-1-30K7	33496	106	32548	103	32232	102	34128	108	316
VSS-2-SPMX-96L-1-30K8	31107	98	30227	96	29933	95	31694	100	316
VSS-2-SPMX-96L-1-35K8	31107	98	30227	96	29933	95	31694	100	316
VSS-2-SPMX-96L-1-40K7	38236	121	37920	120	37288	118	39816	126	316
VSS-2-SPMX-96L-1-40K8	35392	112	35099	111	34514	109	36854	117	316
VSS-2-SPMX-96L-1-50K7	38236	121	37920	120	37288	118	39816	126	316
VSS-2-SPMX-96L-1-50K8	35392	112	35099	111	34514	109	36854	117	316

STANDARD SILICONE MICRO OPTICS - SHIELDED - 80 LED

Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSS-2-SPMX-80L-1-27K7-HSS	14108	54	13865	53	263
VSS-2-SPMX-80L-1-27K8-HSS	13212	50	12984	49	263
VSS-2-SPMX-80L-1-30K7-HSS	15254	58	14991	57	263
VSS-2-SPMX-80L-1-30K8-HSS	14166	54	13922	53	263
VSS-2-SPMX-80L-1-35K8-HSS	14166	54	13922	53	263
VSS-2-SPMX-80L-1-40K7-HSS	17358	66	17095	65	263
VSS-2-SPMX-80L-1-40K8-HSS	16067	61	15823	60	263
VSS-2-SPMX-80L-1-50K7-HSS	17358	66	17095	65	263
VSS-2-SPMX-80L-1-50K8-HSS	16067	61	15823	60	263

STANDARD SILICONE MICRO OPTICS - SHIELDED - 96 LED

Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSS-2-SPMX-96L-1-27K7-HSS	16951	54	16659	53	316
VSS-2-SPMX-96L-1-27K8-HSS	15874	50	15600	49	316
VSS-2-SPMX-96L-1-30K7-HSS	18328	58	18012	57	316
VSS-2-SPMX-96L-1-30K8-HSS	17021	54	16727	53	316
VSS-2-SPMX-96L-1-35K8-HSS	17021	54	16727	53	316
VSS-2-SPMX-96L-1-40K7-HSS	20856	66	20540	65	316
VSS-2-SPMX-96L-1-40K8-HSS	19305	61	19012	60	316
VSS-2-SPMX-96L-1-50K7-HSS	20856	66	20540	65	316
VSS-2-SPMX-96L-1-50K8-HSS	19305	61	19012	60	316

PRODUCT SPECIFICATIONS

LUMEN CHARTS - PERFORMANCE MICRO OPTICS

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 80 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSS-2-SPMX-80L-7-27K7	16588	98	18917	111	170
VSS-2-SPMX-80L-7-27K8	15534	91	17715	104	170
VSS-2-SPMX-80L-7-30K7	17937	106	20454	120	170
VSS-2-SPMX-80L-7-30K8	16658	98	18995	112	170
VSS-2-SPMX-80L-7-35K8	16658	98	18995	112	170
VSS-2-SPMX-80L-7-40K7	19380	114	22100	130	170
VSS-2-SPMX-80L-7-40K8	17938	106	20456	120	170
VSS-2-SPMX-80L-7-50K7	19380	114	22100	130	170
VSS-2-SPMX-80L-7-50K8	17938	106	20456	120	170
VSS-2-SPMX-80L-1-27K7	24202	95	24811	98	254
VSS-2-SPMX-80L-1-27K8	22664	89	23234	91	254
VSS-2-SPMX-80L-1-30K7	26167	103	26826	106	254
VSS-2-SPMX-80L-1-30K8	24301	96	24913	98	254
VSS-2-SPMX-80L-1-35K8	24301	96	24913	98	254
VSS-2-SPMX-80L-1-40K7	28273	111	28985	114	254
VSS-2-SPMX-80L-1-40K8	26170	103	26829	106	254
VSS-2-SPMX-80L-1-50K7	28273	111	28985	114	254
VSS-2-SPMX-80L-1-50K8	26170	103	26829	106	254

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 96 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSS-2-SPMX-96L-35-27K7	9673	97	11556	116	100
VSS-2-SPMX-96L-35-27K8	9058	91	10821	108	100
VSS-2-SPMX-96L-35-30K7	10458	105	12494	125	100
VSS-2-SPMX-96L-35-30K8	9712	97	11603	116	100
VSS-2-SPMX-96L-35-35K8	9712	97	11603	116	100
VSS-2-SPMX-96L-35-40K7	11300	113	13500	135	100
VSS-2-SPMX-96L-35-40K8	10459	105	12496	125	100
VSS-2-SPMX-96L-35-50K7	11300	113	13500	135	100
VSS-2-SPMX-96L-35-50K8	10459	105	12496	125	100
VSS-2-SPMX-96L-53-27K7	13830	92	17708	117	151
VSS-2-SPMX-96L-53-27K8	12951	86	16582	110	151
VSS-2-SPMX-96L-53-30K7	14953	99	19146	127	151
VSS-2-SPMX-96L-53-30K8	13887	92	17780	118	151
VSS-2-SPMX-96L-53-35K8	13887	92	17780	118	151
VSS-2-SPMX-96L-53-40K7	16157	107	20687	137	151
VSS-2-SPMX-96L-53-40K8	14955	99	19148	127	151
VSS-2-SPMX-96L-53-50K7	16157	107	20687	137	151
VSS-2-SPMX-96L-53-50K8	14955	99	19148	127	151
VSS-2-SPMX-96L-7-27K7	17205	86	21633	109	199
VSS-2-SPMX-96L-7-27K8	16111	81	20259	102	199
VSS-2-SPMX-96L-7-30K7	18602	93	23390	118	199
VSS-2-SPMX-96L-7-30K8	17275	87	21722	109	199
VSS-2-SPMX-96L-7-35K8	17275	87	21722	109	199
VSS-2-SPMX-96L-7-40K7	20099	101	25273	127	199
VSS-2-SPMX-96L-7-40K8	18604	93	23393	118	199
VSS-2-SPMX-96L-7-50K7	20099	101	25273	127	199
VSS-2-SPMX-96L-7-50K8	18604	93	23393	118	199
VSS-2-SPMX-96L-1-27K7	24568	82	31855	107	299
VSS-2-SPMX-96L-1-27K8	23007	77	29831	100	299
VSS-2-SPMX-96L-1-30K7	26563	89	34441	115	299
VSS-2-SPMX-96L-1-30K8	24669	83	31985	107	299
VSS-2-SPMX-96L-1-35K8	24669	83	31985	107	299
VSS-2-SPMX-96L-1-40K7	28701	96	37214	124	299
VSS-2-SPMX-96L-1-40K8	26566	89	34446	115	299
VSS-2-SPMX-96L-1-50K7	28701	96	37214	124	299
VSS-2-SPMX-96L-1-50K8	26566	89	34446	115	299



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PRODUCT SPECIFICATIONS

BUG RATING CHARTS - STANDARD MICRO OPTICS

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 80 LED				
Part Number	T2	T3	T4	T5
VSS-2-SPMX-80L-1-27K7	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-1-27K8	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-1-30K7	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-1-30K8	B3-U0-G3	B3-U0-G4	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-1-35K8	B3-U0-G3	B3-U0-G4	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-1-40K7	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-80L-1-40K8	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-80L-1-50K7	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-80L-1-50K8	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 96 LED				
Part Number	T2	T3	T4	T5
VSS-2-SPMX-96L-1-27K7	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-27K8	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-30K7	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-30K8	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-35K8	B3-U0-G4	B3-U0-G4	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-40K7	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-40K8	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-50K7	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-50K8	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G4

STANDARD SILICONE MICRO OPTICS - SHIELDED - 80 LED		
Part Number	T3 HSS	T4 HSS
VSS-2-SPMX-80L-1-27K7-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-27K8-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-30K7-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-30K8-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-35K8-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-40K7-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-40K8-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-50K7-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-80L-1-50K8-HSS	B1-U0-G3	B1-U0-G3

STANDARD SILICONE MICRO OPTICS - SHIELDED - 96 LED		
Part Number	T3 HSS	T4 HSS
VSS-2-SPMX-96L-1-27K7-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-96L-1-27K8-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-96L-1-30K7-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-96L-1-30K8-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-96L-1-35K8-HSS	B1-U0-G3	B1-U0-G3
VSS-2-SPMX-96L-1-40K7-HSS	B1-U0-G4	B1-U0-G4
VSS-2-SPMX-96L-1-40K8-HSS	B1-U0-G4	B1-U0-G4
VSS-2-SPMX-96L-1-50K7-HSS	B1-U0-G4	B1-U0-G4
VSS-2-SPMX-96L-1-50K8-HSS	B1-U0-G4	B1-U0-G4

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - PERFORMANCE MICRO OPTICS

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 80 LED		
Part Number	T4FTW	T5W
VSS-2-SPMX-80L-7-27K7	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-7-27K8	B3-U0-G3	B5-U0-G3
VSS-2-SPMX-80L-7-30K7	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-7-30K8	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-7-35K8	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-7-40K7	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-7-40K8	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-7-50K7	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-7-50K8	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-80L-1-27K7	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-80L-1-27K8	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-80L-1-30K7	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-80L-1-30K8	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-80L-1-35K8	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-80L-1-40K7	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-80L-1-40K8	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-80L-1-50K7	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-80L-1-50K8	B3-U0-G5	B5-U0-G4

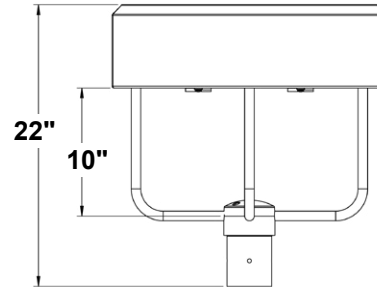
PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 96 LED		
Part Number	T4FTW	T5W
VSS-2-SPMX-96L-35-27K7	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-27K8	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-30K7	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-30K8	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-35K8	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-40K7	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-40K8	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-50K7	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-35-50K8	B2-U0-G3	B4-U0-G3
VSS-2-SPMX-96L-53-27K7	B2-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-53-27K8	B2-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-53-30K7	B3-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-53-30K8	B2-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-53-35K8	B2-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-53-40K7	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-96L-53-40K8	B3-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-53-50K7	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-96L-53-50K8	B3-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-7-27K7	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-96L-7-27K8	B3-U0-G3	B5-U0-G3
VSS-2-SPMX-96L-7-30K7	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-7-30K8	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-96L-7-35K8	B3-U0-G4	B5-U0-G3
VSS-2-SPMX-96L-7-40K7	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-7-40K8	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-7-50K7	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-7-50K8	B3-U0-G4	B5-U0-G4
VSS-2-SPMX-96L-1-27K7	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-96L-1-27K8	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-96L-1-30K7	B3-U0-G5	B5-U0-G5
VSS-2-SPMX-96L-1-30K8	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-96L-1-35K8	B3-U0-G5	B5-U0-G4
VSS-2-SPMX-96L-1-40K7	B3-U0-G5	B5-U0-G5
VSS-2-SPMX-96L-1-40K8	B3-U0-G5	B5-U0-G5
VSS-2-SPMX-96L-1-50K7	B3-U0-G5	B5-U0-G5
VSS-2-SPMX-96L-1-50K8	B3-U0-G5	B5-U0-G5

PRODUCT SPECIFICATIONS

SPIDER MOUNT (SPMX)

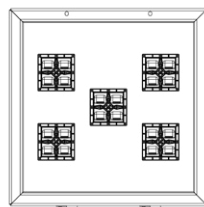
Aluminum, 4-bar spider arm mounts over round tenon at two outer dimensions.

- Over 2-3/8" (SPM2)
- Over 3" (SPM3)

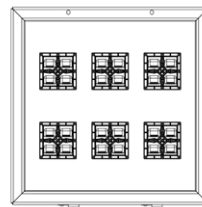


OPTICAL CONFIGURATIONS

Rotatable Optics (ROR) Rotated Right, (ROL) Rotated Left options available. Optics field and factory rotatable.

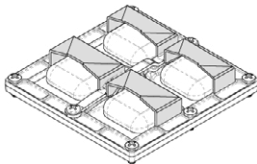


VSS-2 / 80L

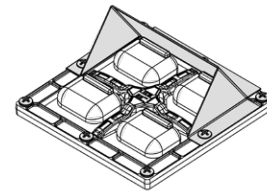


VSS-2 / 96L

HOUSE SIDE SHIELD



AUTOMOTIVE HOUSE SIDE SHIELD



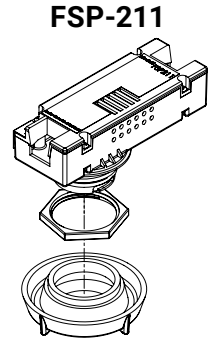
PRODUCT SPECIFICATIONS

CONTROL OPTIONS

- DIMMING CONTROL (FSP)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

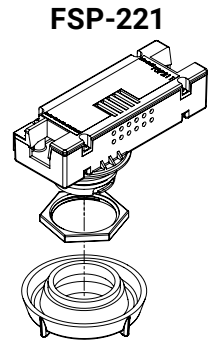
FSP-211 WITH MOTION SENSOR (FSP-XX)

- FSP-211(FSP-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 120/277VAC, 230-240VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

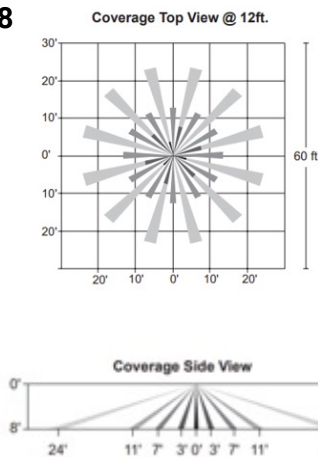


FSP-221 WITH MOTION SENSOR (FSP-HV-XX)

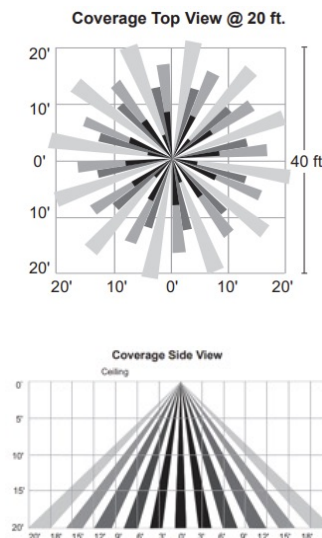
- FSP-221 (FSP-HV-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 100-347VAC 208/230/480VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.



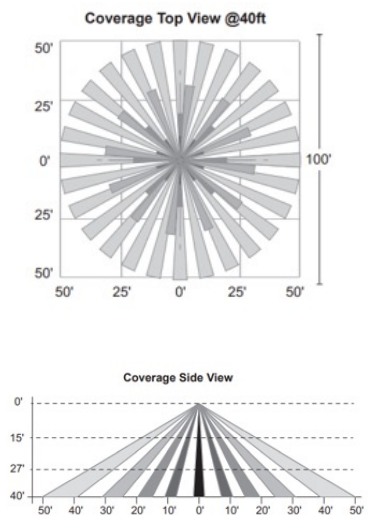
FSP-8



FSP-20



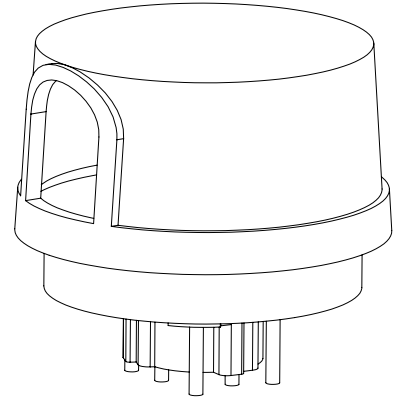
FSP-40



PRODUCT SPECIFICATIONS

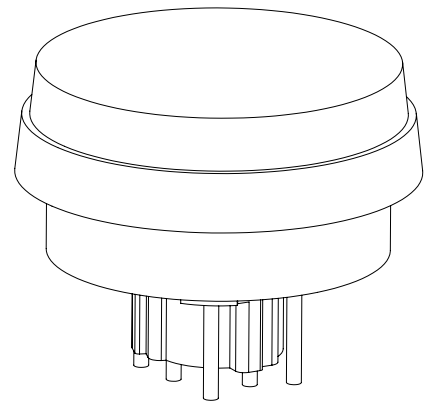
PHOTOCELL + RECEPTACLE (PCR)

7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.



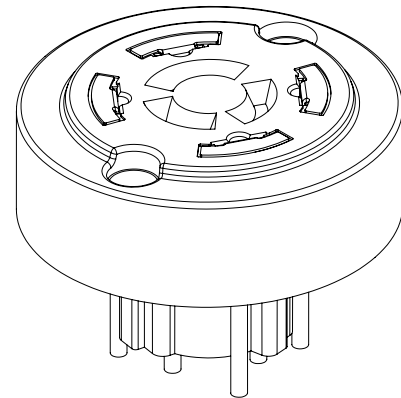
RECEPTACLE + SHORTING CAP (PER)

7-Pin Receptacle and Shorting Cap.



NEMA 7-PIN RECEPTACLE (PE7)

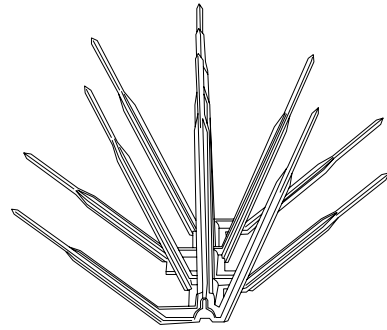
An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.



PRODUCT SPECIFICATIONS

BIRD SPIKES (BS)

Bird Spikes offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.



MARINE GRADE FINISH (MGF)

The **(MGF)** is a multi step process. Chemically washed in a 5 stage cleaning system. Pre-baked. Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.



Powder Coat Finish

3-5 mil Powder Coat

Primer Layer

3-5 mil Zinc Rich Super Durable Polyester Primer

Prepared Casting

Chemically washed in multi Step 5 stage cleaning process

BUTTON PHOTOCELL

Photo Cell for dusk to dawn operation.

