



LED Wattage Chart

Drive Current	16L	32L
400 milliamps	21W	-
530 milliamps	28W	56W
700 milliamps	36W	71W
1050 milliamps	56W	106W

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:

VSR-S-YM ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Drive Current	Color Temp./CRI	Voltage
Value Series Round Small (VSR-S)	Standard Silicone Micro Optics	Standard Configurations		Amber LED 595nm Dominant Wavelength Standard Turtle Friendly (AMBER) ^{1, 6, 7, 14}	120V-277V (UNV) 347V-480V (HV)
	Type 2 (T2)	16 LED (16L)	400 mA (40) ⁸		
	Type 3 (T3)	32 LED (32L)	530 mA (53)		
	Type 4 (T4)		700 mA (7)		
	Type 5 (T5)		1050 mA (1)		
	Performance Silicone Micro Optics	Standard Configurations		Amber LED Phosphor Converted (AMBER/PC) ^{1, 6, 7, 14}	
	Type 4 Forward Throw Wide (For Perimeters) (T4FTW)	16 LED (16L)	400 mA (40) ⁸	2700K, 70 CRI (27K7) ²	
		32 LED (32L)	530 mA (53)	2700K, 80 CRI (27K8) ²	
	Type 5 Wide (for Improved Uniformity & Wider Pole Spacing) (T5W)		700 mA (7)	3000K, 70 CRI (30K7) ²	
			1050 mA (1)	3000K, 80 CRI (30K8) ²	
		Performance Plus Configurations*		3500K, 80 CRI (35K8) ²	
		32 LED (32L)	350 mA (35) ⁹	4000K, 70 CRI (40K7) ²	
				4000K, 80 CRI (40K8) ²	
				5000K, 70 CRI (50K7) ²	
				5000K, 80 CRI (50K8) ²	
* 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		
Yoke Mount (2-Bar) Over 2-3/8" Tenon (YM2) ¹	Bronze Textured (BRZ)	Nema 7-Pin Receptacle (PE7)	Bird Spikes (BS)		
Yoke Mount (2-Bar) Over 3" Tenon (YM3) ¹	White Textured (WHT)	Photocell + Receptacle (PCR)	Marine Grade Finish (MGF)		
Wall Mount (WM)	Smooth White Gloss (SWT)	Receptacle + Shorting Cap (PER)	Rotated Optic Left (ROL)		
	Silver Metallic (SVR)	FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)	Rotated Optic Right (ROR)		
	Black Textured (BLK)	8' Heights (FSP211-8) ^{4, 11}	Single Fuse (SF)		
	Smooth Black Gloss (SBK)	9'-20' Heights (FSP211-20) ^{4, 11}	Double Fuse (DF)		
	Graphite Textured (GPH)	21'-40' Heights (FSP211-40) ^{4, 11}	Black Optical Frame (BOF) ¹		
	Grey Textured (GRY)	FSP-221 w/Motion Sensor/Photocell (100/347VAC, 208/230/480VAC)	House Side Shield (HSS)		
	Green Textured (GRN)	8' Heights (FSP-HV-8) ¹²	Buy American Act (BAA) ³		
	Hunter Green Textured (HGN)	9'-20' Heights (FSP-HV-20) ¹²	Trade Agreement Act (TAA) ³		
	Custom (CS)	21'-40' Heights (FSP-HV-40) ¹²	Build America Buy American (BABA) ³		
		Custom Controls Integration (CCI) ¹⁰			
		FSP Remote (FSIR) ¹³			
		DALI-2 (D2) ¹⁰			
		Button Type Photocell (PC) ⁴			

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. 16L Only
9. 32L Only with T4FTW & T5W Performance Silicone Micro Optics
10. Please contact Factory for Custom Control Integration requests (nLightNX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
11. FSP-211, 120V/277V, 230-240VAC (single phase), 50/60Hz
12. FSP-221, 100-347VAC (single phase) or 208/230/480VAC (phase-to-phase)
13. Projects with sensors require Qty. 1 FSIR per project.
14. See estimated scaling chart for multiplier values to estimate lumen output Please contact Factory to verify the estimated performance data



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nlsighting.com

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.
- **ROUND POLE ADAPTER (RPA)**— When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.
- **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

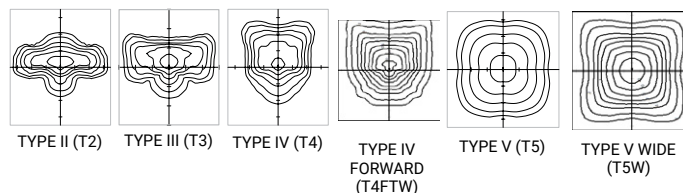
- **FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)** (FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- **FSP-221 w/Motion Sensor/Photocell (100-347VAC, 208/230/480VAC)** (FSP-HV-X) - Passive infrared (PIR) sensor providing multi-level 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://nlsighting.com/buy-american/>



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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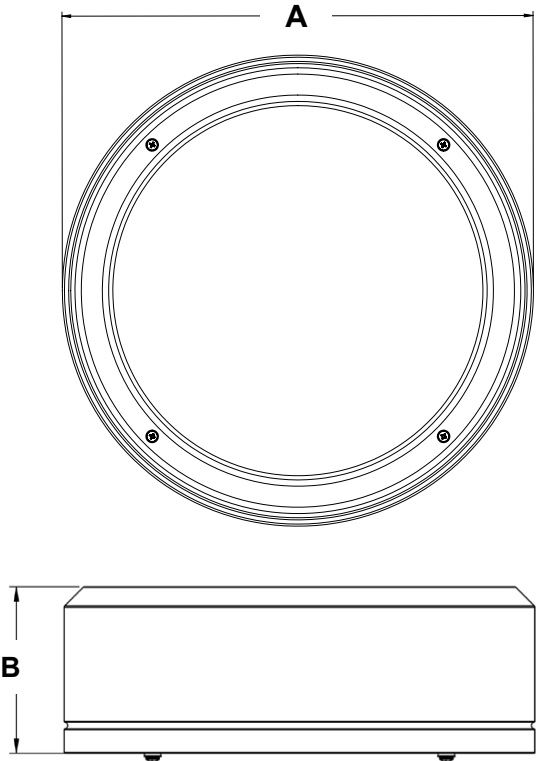
nlsighting.com

PRODUCT SPECIFICATIONS

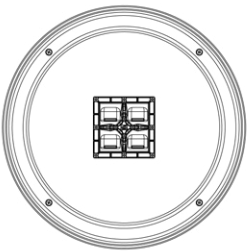
DIMENSION	VSR-S
A	14 in.
B	4 in.
Weight	10 lbs

EPA

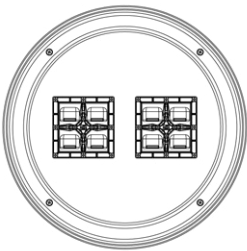
EPA	SGL	D90	D180	T90	T120	QD
VSR-S	0.18	0.36	0.36	0.54	0.54	0.76



OPTICAL CONFIGURATIONS



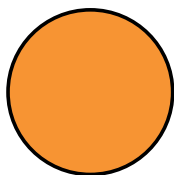
VSR-S / 16L



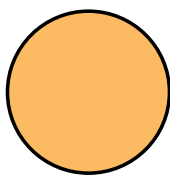
VSR-S / 32L

PRODUCT SPECIFICATIONS

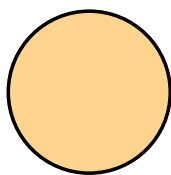
LED KELVIN RANGE



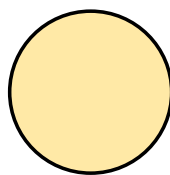
AMBER
585-600 nm



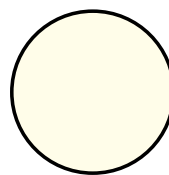
2700K 70 CRI



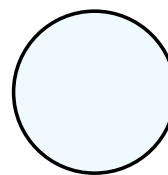
3000K 70 CRI



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	up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	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 - 16 LED									
Part Number	T2	LPW	T3	LPW	T4	LPW	T5	LPW	Wattage
VSR-S-16L-40-27K7	2305	110	2247	107	2227	106	2324	111	21
VSR-S-16L-40-27K8	2159	103	2104	100	2086	99	2177	104	21
VSR-S-16L-40-30K7	2492	119	2429	116	2408	115	2513	120	21
VSR-S-16L-40-30K8	2314	110	2256	107	2236	106	2334	111	21
VSR-S-16L-40-35K8	2314	110	2256	107	2236	106	2334	111	21
VSR-S-16L-40-40K7	2693	128	2625	125	2602	124	2715	129	21
VSR-S-16L-40-40K8	2493	119	2430	116	2408	115	2513	120	21
VSR-S-16L-40-50K7	2693	128	2625	125	2602	124	2715	129	21
VSR-S-16L-40-50K8	2493	119	2430	116	2408	115	2513	120	21
VSR-S-16L-53-27K7	3029	108	2953	105	2928	105	3056	109	28
VSR-S-16L-53-27K8	2837	101	2765	99	2741	98	2862	102	28
VSR-S-16L-53-30K7	3275	117	3192	114	3165	113	3304	118	28
VSR-S-16L-53-30K8	3041	109	2964	106	2939	105	3068	110	28
VSR-S-16L-53-35K8	3041	109	2964	106	2939	105	3068	110	28
VSR-S-16L-53-40K7	3603	129	3511	125	3482	124	3640	130	28
VSR-S-16L-53-40K8	3335	119	3250	116	3223	115	3369	120	28
VSR-S-16L-53-50K7	3603	129	3511	125	3482	124	3640	130	28
VSR-S-16L-53-50K8	3335	119	3250	116	3223	115	3369	120	28
VSR-S-16L-7-27K7	3792	105	3696	103	3703	103	3863	107	36
VSR-S-16L-7-27K8	3551	99	3461	96	3467	96	3617	100	36
VSR-S-16L-7-30K7	4100	114	3996	111	4003	111	4176	116	36
VSR-S-16L-7-30K8	3808	106	3711	103	3718	103	3878	108	36
VSR-S-16L-7-35K8	3808	106	3711	103	3718	103	3878	108	36
VSR-S-16L-7-40K7	4510	125	4396	122	4404	122	4608	128	36
VSR-S-16L-7-40K8	4175	116	4069	113	4076	113	4265	118	36
VSR-S-16L-7-50K7	4510	125	4396	122	4404	122	4608	128	36
VSR-S-16L-7-50K8	4175	116	4069	113	4076	113	4265	118	36
VSR-S-16L-1-27K7	5418	97	5283	94	5236	94	5439	97	56
VSR-S-16L-1-27K8	5074	91	4948	88	4903	88	5093	91	56
VSR-S-16L-1-30K7	5858	105	5712	102	5661	101	5880	105	56
VSR-S-16L-1-30K8	5440	97	5305	95	5257	94	5461	98	56
VSR-S-16L-1-35K8	5440	97	5305	95	5257	94	5461	98	56
VSR-S-16L-1-40K7	6443	115	6283	112	6227	111	6496	116	56
VSR-S-16L-1-40K8	5964	106	5816	104	5764	103	6013	107	56
VSR-S-16L-1-50K7	6443	115	6283	112	6227	111	6496	116	56
VSR-S-16L-1-50K8	5964	106	5816	104	5764	103	6013	107	56

STANDARD SILICONE MICRO OPTICS - SHIELDED - 16 LED					
Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSR-S-16L-53-27K7-HSS	1502	54	1476	53	28
VSR-S-16L-53-27K8-HSS	1407	50	1382	49	28
VSR-S-16L-53-30K7-HSS	1624	58	1596	57	28
VSR-S-16L-53-30K8-HSS	1508	54	1482	53	28
VSR-S-16L-53-35K8-HSS	1508	54	1482	53	28
VSR-S-16L-53-40K7-HSS	1848	66	1820	65	28
VSR-S-16L-53-40K8-HSS	1711	61	1685	60	28
VSR-S-16L-53-50K7-HSS	1848	66	1820	65	28
VSR-S-16L-53-50K8-HSS	1711	61	1685	60	28
VSR-S-16L-7-27K7-HSS	1931	54	1898	53	36
VSR-S-16L-7-27K8-HSS	1808	50	1777	49	36
VSR-S-16L-7-30K7-HSS	2088	58	2052	57	36
VSR-S-16L-7-30K8-HSS	1939	54	1906	53	36
VSR-S-16L-7-35K8-HSS	1939	54	1906	53	36
VSR-S-16L-7-40K7-HSS	2376	66	2340	65	36
VSR-S-16L-7-40K8-HSS	2199	61	2166	60	36
VSR-S-16L-7-50K7-HSS	2376	66	2340	65	36
VSR-S-16L-7-50K8-HSS	2199	61	2166	60	36
VSR-S-16L-1-27K7-HSS	3004	54	2952	53	56
VSR-S-16L-1-27K8-HSS	2813	50	2765	49	56
VSR-S-16L-1-30K7-HSS	3248	58	3192	57	56
VSR-S-16L-1-30K8-HSS	3016	54	2964	53	56
VSR-S-16L-1-35K8-HSS	3016	54	2964	53	56
VSR-S-16L-1-40K7-HSS	3696	66	3640	65	56
VSR-S-16L-1-40K8-HSS	3421	61	3369	60	56
VSR-S-16L-1-50K7-HSS	3696	66	3640	65	56
VSR-S-16L-1-50K8-HSS	3421	61	3369	60	56

PRODUCT SPECIFICATIONS

LUMEN CHARTS - STANDARD MICRO OPTICS

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED									
Part Number	T2	LPW	T3	LPW	T4	LPW	T5	LPW	Wattage
VSR-S-32L-53-27K7	5418	97	5283	94	5236	94	5439	97	56
VSR-S-32L-53-27K8	5074	91	4948	88	4903	88	5093	91	56
VSR-S-32L-53-30K7	5858	105	5712	102	5661	101	5880	105	56
VSR-S-32L-53-30K8	5440	97	5305	95	5257	94	5461	98	56
VSR-S-32L-53-35K8	5440	97	5305	95	5257	94	5461	98	56
VSR-S-32L-53-40K7	6443	115	6283	112	6227	111	6496	116	56
VSR-S-32L-53-40K8	5964	106	5816	104	5764	103	6013	107	56
VSR-S-32L-53-50K7	6443	115	6283	112	6227	111	6496	116	56
VSR-S-32L-53-50K8	5964	106	5816	104	5764	103	6013	107	56
VSR-S-32L-7-27K7	7479	105	7290	103	7304	103	7618	107	71
VSR-S-32L-7-27K8	7004	99	6826	96	6839	96	7134	100	71
VSR-S-32L-7-30K7	8086	114	7881	111	7896	111	8236	116	71
VSR-S-32L-7-30K8	7509	106	7319	103	7333	103	7649	108	71
VSR-S-32L-7-35K8	7509	106	7319	103	7333	103	7649	108	71
VSR-S-32L-7-40K7	8894	125	8669	122	8685	122	9088	128	71
VSR-S-32L-7-40K8	8232	116	8024	113	8039	113	8412	118	71
VSR-S-32L-7-50K7	8894	125	8669	122	8685	122	9088	128	71
VSR-S-32L-7-50K8	8232	116	8024	113	8039	113	8412	118	71
VSR-S-32L-1-27K7	10256	97	10001	94	9911	94	10295	97	106
VSR-S-32L-1-27K8	9604	91	9365	88	9281	88	9641	91	106
VSR-S-32L-1-30K7	11088	105	10812	102	10715	101	11130	105	106
VSR-S-32L-1-30K8	10297	97	10041	95	9951	94	10336	98	106
VSR-S-32L-1-35K8	10297	97	10041	95	9951	94	10336	98	106
VSR-S-32L-1-40K7	12196	115	11893	112	11787	111	12296	116	106
VSR-S-32L-1-40K8	11289	106	11008	104	10910	103	11381	107	106
VSR-S-32L-1-50K7	12196	115	11893	112	11787	111	12296	116	106
VSR-S-32L-1-50K8	11289	106	11008	104	10910	103	11381	107	106

STANDARD SILICONE MICRO OPTICS - SHIELDED - 32 LED					
Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSR-S-32L-53-27K7-HSS	3004	54	2952	53	56
VSR-S-32L-53-27K8-HSS	2813	50	2765	49	56
VSR-S-32L-53-30K7-HSS	3248	58	3192	57	56
VSR-S-32L-53-30K8-HSS	3016	54	2964	53	56
VSR-S-32L-53-35K8-HSS	3016	54	2964	53	56
VSR-S-32L-53-40K7-HSS	3696	66	3640	65	56
VSR-S-32L-53-40K8-HSS	3421	61	3369	60	56
VSR-S-32L-53-50K7-HSS	3696	66	3640	65	56
VSR-S-32L-53-50K8-HSS	3421	61	3369	60	56
VSR-S-32L-7-27K7-HSS	3809	54	3743	53	71
VSR-S-32L-7-27K8-HSS	3567	50	3505	49	71
VSR-S-32L-7-30K7-HSS	4118	58	4047	57	71
VSR-S-32L-7-30K8-HSS	3824	54	3758	53	71
VSR-S-32L-7-35K8-HSS	3824	54	3758	53	71
VSR-S-32L-7-40K7-HSS	4686	66	4615	65	71
VSR-S-32L-7-40K8-HSS	4337	61	4272	60	71
VSR-S-32L-7-50K7-HSS	4686	66	4615	65	71
VSR-S-32L-7-50K8-HSS	4337	61	4272	60	71
VSR-S-32L-1-27K7-HSS	5686	54	5588	53	106
VSR-S-32L-1-27K8-HSS	5325	50	5233	49	106
VSR-S-32L-1-30K7-HSS	6148	58	6042	57	106
VSR-S-32L-1-30K8-HSS	5710	54	5611	53	106
VSR-S-32L-1-35K8-HSS	5710	54	5611	53	106
VSR-S-32L-1-40K7-HSS	6996	66	6890	65	106
VSR-S-32L-1-40K8-HSS	6476	61	6377	60	106
VSR-S-32L-1-50K7-HSS	6996	66	6890	65	106
VSR-S-32L-1-50K8-HSS	6476	61	6377	60	106

PRODUCT SPECIFICATIONS

LUMEN CHARTS - PERFORMANCE MICRO OPTICS- NON-SHIELDED

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 16 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSR-S-16L-40-27K7	1867	89	1977	94	21
VSR-S-16L-40-27K8	1748	83	1851	88	21
VSR-S-16L-40-30K7	2018	96	2138	102	21
VSR-S-16L-40-30K8	1874	89	1986	95	21
VSR-S-16L-40-35K8	1874	89	1986	95	21
VSR-S-16L-40-40K7	2181	104	2310	110	21
VSR-S-16L-40-40K8	2019	96	2138	102	21
VSR-S-16L-40-50K7	2181	104	2310	110	21
VSR-S-16L-40-50K8	2019	96	2138	102	21
VSR-S-16L-53-27K7	2274	81	2749	98	28
VSR-S-16L-53-27K8	2129	76	2574	92	28
VSR-S-16L-53-30K7	2458	88	2973	106	28
VSR-S-16L-53-30K8	2283	82	2761	99	28
VSR-S-16L-53-35K8	2283	82	2761	99	28
VSR-S-16L-53-40K7	2656	95	3212	115	28
VSR-S-16L-53-40K8	2458	88	2973	106	28
VSR-S-16L-53-50K7	2656	95	3212	115	28
VSR-S-16L-53-50K8	2458	88	2973	106	28
VSR-S-16L-7-27K7	2646	74	3443	96	36
VSR-S-16L-7-27K8	2478	69	3224	90	36
VSR-S-16L-7-30K7	2861	79	3722	103	36
VSR-S-16L-7-30K8	2657	74	3457	96	36
VSR-S-16L-7-35K8	2657	74	3457	96	36
VSR-S-16L-7-40K7	3091	86	4022	112	36
VSR-S-16L-7-40K8	2861	79	3723	103	36
VSR-S-16L-7-50K7	3091	86	4022	112	36
VSR-S-16L-7-50K8	2861	79	3723	103	36
VSR-S-16L-1-27K7	4013	72	4375	78	56
VSR-S-16L-1-27K8	3758	67	4097	73	56
VSR-S-16L-1-30K7	4339	77	4730	84	56
VSR-S-16L-1-30K8	4030	72	4393	78	56
VSR-S-16L-1-35K8	4030	72	4393	78	56
VSR-S-16L-1-40K7	4688	84	5111	91	56
VSR-S-16L-1-40K8	4339	77	4731	84	56
VSR-S-16L-1-50K7	4688	84	5111	91	56
VSR-S-16L-1-50K8	4339	77	4731	84	56

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSR-S-32L-35-27K7	3114	92	3638	107	34
VSR-S-32L-35-27K8	2916	86	3407	100	34
VSR-S-32L-35-30K7	3367	99	3933	116	34
VSR-S-32L-35-30K8	3127	92	3653	107	34
VSR-S-32L-35-35K8	3127	92	3653	107	34
VSR-S-32L-35-40K7	3638	107	4250	125	34
VSR-S-32L-35-40K8	3367	99	3934	116	34
VSR-S-32L-35-50K7	3638	107	4250	125	34
VSR-S-32L-35-50K8	3367	99	3934	116	34
VSR-S-32L-53-27K7	4642	83	5966	107	56
VSR-S-32L-53-27K8	4347	78	5587	100	56
VSR-S-32L-53-30K7	5019	90	6064	108	56
VSR-S-32L-53-30K8	4661	83	5632	101	56
VSR-S-32L-53-35K8	4661	83	5632	101	56
VSR-S-32L-53-40K7	5423	97	6969	124	56
VSR-S-32L-53-40K8	5020	90	6451	115	56
VSR-S-32L-53-50K7	5423	97	6969	124	56
VSR-S-32L-53-50K8	5020	90	6451	115	56
VSR-S-32L-7-27K7	5279	74	7446	105	71
VSR-S-32L-7-27K8	4944	70	6973	98	71
VSR-S-32L-7-30K7	5707	80	8050	113	71
VSR-S-32L-7-30K8	5300	75	7476	105	71
VSR-S-32L-7-35K8	5300	75	7476	105	71
VSR-S-32L-7-40K7	6167	87	8698	123	71
VSR-S-32L-7-40K8	5708	80	8051	113	71
VSR-S-32L-7-50K7	6167	87	8698	123	71
VSR-S-32L-7-50K8	5708	80	8051	113	71
VSR-S-32L-1-27K7	7520	72	9689	93	104
VSR-S-32L-1-27K8	7042	68	9073	87	104
VSR-S-32L-1-30K7	8131	78	10476	101	104
VSR-S-32L-1-30K8	7551	73	9729	94	104
VSR-S-32L-1-35K8	7551	73	9729	94	104
VSR-S-32L-1-40K7	8785	84	11319	109	104
VSR-S-32L-1-40K8	8132	78	10477	101	104
VSR-S-32L-1-50K7	8785	84	11319	109	104
VSR-S-32L-1-50K8	8132	78	10477	101	104

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - STANDARD MICRO OPTICS - NON-SHIELDED

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 16 LED				
Part Number	T2	T3	T4	T5
VSR-S-16L-40-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSR-S-16L-7-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSR-S-16L-1-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-40K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-40K8	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-50K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G1
VSR-S-16L-1-50K8	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G1

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED				
Part Number	T2	T3	T4	T5
VSR-S-32L-53-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSR-S-32L-7-27K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-27K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-30K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-35K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-27K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-27K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-30K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-35K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - STANDARD MICRO OPTICS - SHIELDED

STANDARD SILICONE MICRO OPTICS - SHIELDED - 16 LED		
Part Number	T3 HSS	T4 HSS
VSR-S-16L-53-27K7-HSS	B0-U0-G0	B0-U0-G1
VSR-S-16L-53-27K8-HSS	B0-U0-G0	B0-U0-G1
VSR-S-16L-53-30K7-HSS	B0-U0-G0	B0-U0-G1
VSR-S-16L-53-30K8-HSS	B0-U0-G0	B0-U0-G1
VSR-S-16L-53-35K8-HSS	B0-U0-G0	B0-U0-G1
VSR-S-16L-53-40K7-HSS	B0-U0-G0	B0-U0-G1
VSR-S-16L-53-40K8-HSS	B0-U0-G0	B0-U0-G1
VSR-S-16L-53-50K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-53-50K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-27K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-27K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-30K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-30K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-35K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-40K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-40K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-50K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-7-50K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-27K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-27K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-30K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-30K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-35K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-40K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-40K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-50K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-16L-1-50K8-HSS	B0-U0-G1	B0-U0-G1

STANDARD SILICONE MICRO OPTICS - SHIELDED - 32 LED		
Part Number	T3 HSS	T4 HSS
VSR-S-32L-53-27K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-27K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-30K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-30K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-35K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-40K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-40K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-50K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-53-50K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-27K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-27K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-30K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-30K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-35K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-40K7-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-40K8-HSS	B0-U0-G1	B0-U0-G1
VSR-S-32L-7-50K7-HSS	B0-U0-G1	B0-U0-G2
VSR-S-32L-7-50K8-HSS	B0-U0-G1	B0-U0-G2
VSR-S-32L-1-27K7-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-27K8-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-30K7-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-30K8-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-35K8-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-40K7-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-40K8-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-50K7-HSS	B0-U0-G2	B0-U0-G2
VSR-S-32L-1-50K8-HSS	B0-U0-G2	B0-U0-G2

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - PERFORMANCE MICRO OPTICS - NON-SHIELDED

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 16 LED		
Part Number	T4FTW	T5W
VSR-S-16L-40-27K7	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-27K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-30K7	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-30K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-35K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-40K7	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-40K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-50K7	B1-U0-G1	B2-U0-G1
VSR-S-16L-40-50K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-27K7	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-27K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-30K7	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-30K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-35K8	B1-U0-G1	B2-U0-G1
VSR-S-16L-53-40K7	B1-U0-G1	B3-U0-G1
VSR-S-16L-53-40K8	B1-U0-G1	B3-U0-G1
VSR-S-16L-53-50K7	B1-U0-G1	B3-U0-G1
VSR-S-16L-53-50K8	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-27K7	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-27K8	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-30K7	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-30K8	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-35K8	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-40K7	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-40K8	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-50K7	B1-U0-G1	B3-U0-G1
VSR-S-16L-7-50K8	B1-U0-G1	B3-U0-G1
VSR-S-16L-1-27K7	B1-U0-G1	B3-U0-G2
VSR-S-16L-1-27K8	B1-U0-G1	B3-U0-G2
VSR-S-16L-1-30K7	B1-U0-G2	B3-U0-G2
VSR-S-16L-1-30K8	B1-U0-G2	B3-U0-G2
VSR-S-16L-1-35K8	B1-U0-G2	B3-U0-G2
VSR-S-16L-1-40K7	B1-U0-G2	B3-U0-G2
VSR-S-16L-1-40K8	B1-U0-G2	B3-U0-G2
VSR-S-16L-1-50K7	B1-U0-G2	B3-U0-G2
VSR-S-16L-1-50K8	B1-U0-G2	B3-U0-G2

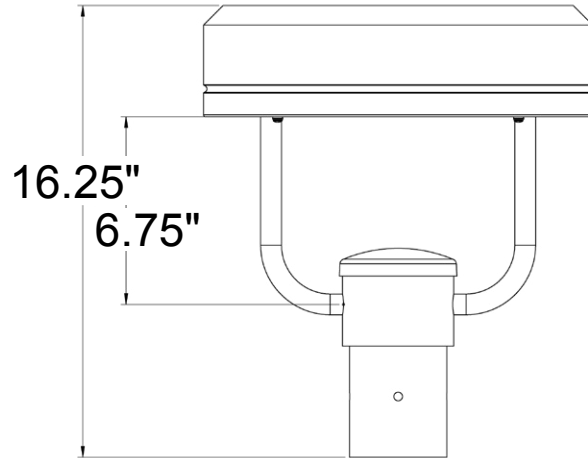
PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED		
Part Number	T4FTW	T5W
VSR-S-32L-35-27K7	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-27K8	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-30K7	B1-U0-G2	B3-U0-G1
VSR-S-32L-35-30K8	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-35K8	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-40K7	B1-U0-G2	B3-U0-G1
VSR-S-32L-35-40K8	B1-U0-G2	B3-U0-G1
VSR-S-32L-35-50K7	B1-U0-G2	B3-U0-G1
VSR-S-32L-35-50K8	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-27K7	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-27K8	B1-U0-G2	B3-U0-G1
VSR-S-32L-53-30K7	B1-U0-G2	B3-U0-G2
VSR-S-32L-53-30K8	B1-U0-G2	B3-U0-G2
VSR-S-32L-53-35K8	B1-U0-G2	B3-U0-G2
VSR-S-32L-53-40K7	B1-U0-G2	B3-U0-G2
VSR-S-32L-53-40K8	B1-U0-G2	B3-U0-G2
VSR-S-32L-53-50K7	B1-U0-G2	B3-U0-G2
VSR-S-32L-53-50K8	B1-U0-G2	B3-U0-G2
VSR-S-32L-7-27K7	B1-U0-G2	B3-U0-G2
VSR-S-32L-7-27K8	B1-U0-G2	B3-U0-G2
VSR-S-32L-7-30K7	B1-U0-G2	B3-U0-G2
VSR-S-32L-7-30K8	B1-U0-G2	B3-U0-G2
VSR-S-32L-7-35K8	B1-U0-G2	B3-U0-G2
VSR-S-32L-7-40K7	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-40K8	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-50K7	B2-U0-G2	B3-U0-G2
VSR-S-32L-7-50K8	B2-U0-G2	B3-U0-G2
VSR-S-32L-1-27K7	B2-U0-G2	B4-U0-G2
VSR-S-32L-1-27K8	B2-U0-G2	B4-U0-G2
VSR-S-32L-1-30K7	B2-U0-G3	B4-U0-G2
VSR-S-32L-1-30K8	B2-U0-G3	B4-U0-G2
VSR-S-32L-1-35K8	B2-U0-G3	B4-U0-G2
VSR-S-32L-1-40K7	B2-U0-G3	B4-U0-G2
VSR-S-32L-1-40K8	B2-U0-G3	B4-U0-G2
VSR-S-32L-1-50K7	B2-U0-G3	B4-U0-G2
VSR-S-32L-1-50K8	B2-U0-G3	B4-U0-G2

PRODUCT SPECIFICATIONS

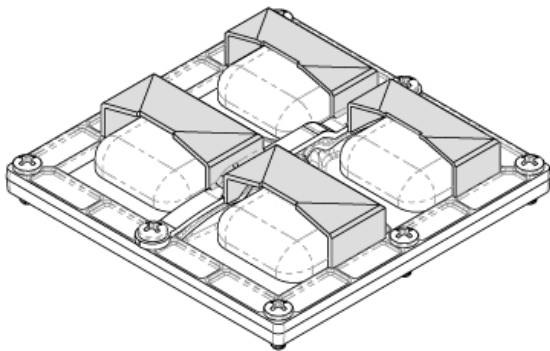
YOKE MOUNT (YMX)

Aluminum, 2-bar arms mount over round tenon at two outer dimensions:

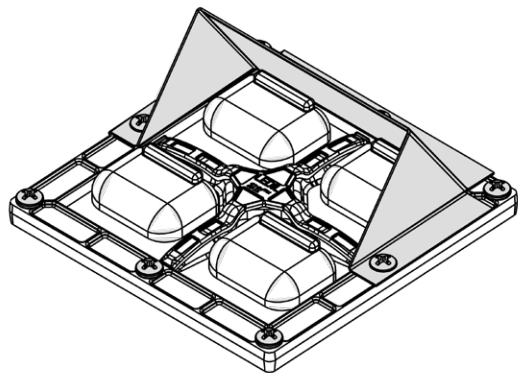
- Over 2-3/8" (YM2)
- Over 3" (YM3)



HOUSE SIDE SHIELD



AUTOMOTIVE HOUSE SIDE SHIELD



PRODUCT SPECIFICATIONS

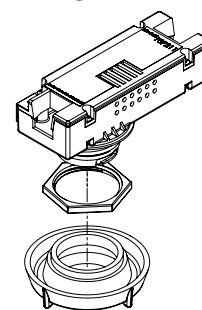
CONTROL OPTIONS

- 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.

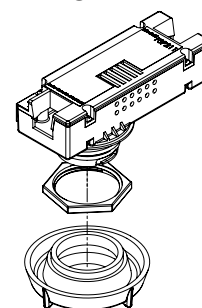
FSP-211



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

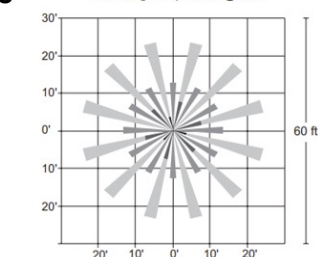
- FSP-221 (FSP-HV-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 100-347VAC 208/230/480VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- 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-221



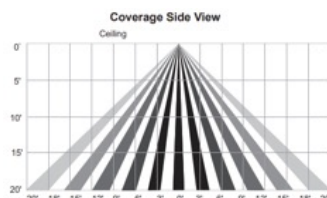
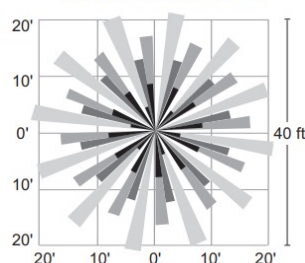
FSP-8

Coverage Top View @ 12ft.



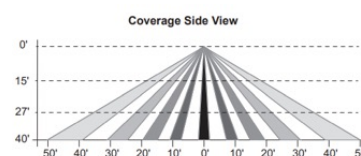
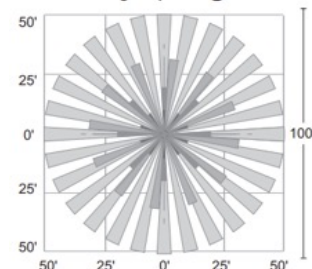
FSP-20

Coverage Top View @ 20 ft.



FSP-40

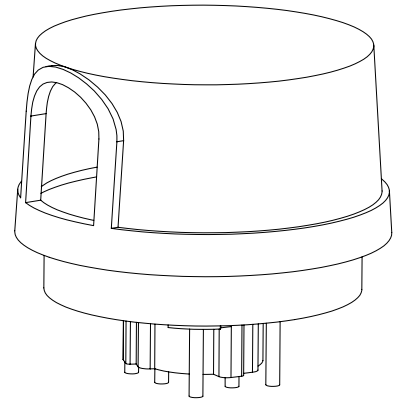
Coverage Top View @40ft



PRODUCT SPECIFICATIONS

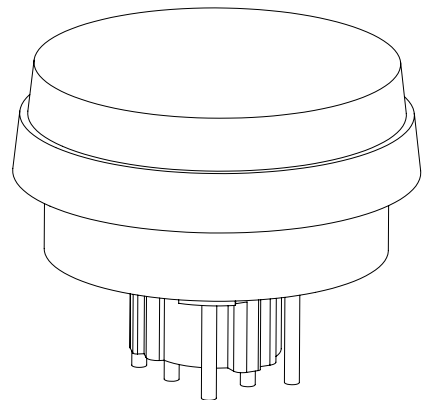
PHOTOCELL + RECEPTACLE (PCR)

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



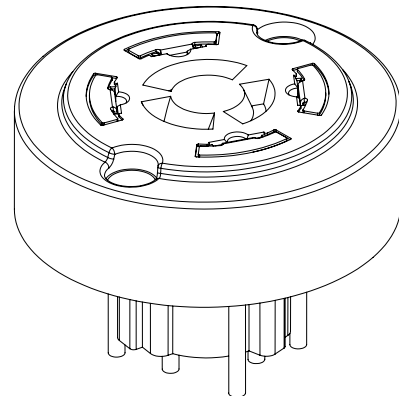
RECEPTACLE + SHORTING CAP (PER)

7-Pin Receptacle and Shorting Cap.



NEMA 7-PIN RECEPTACLE (PE7)

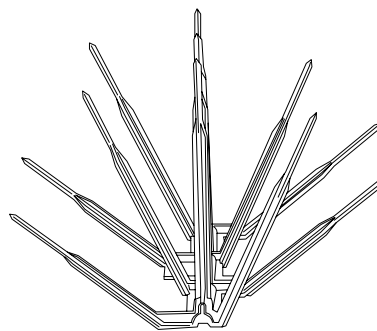
An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.



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

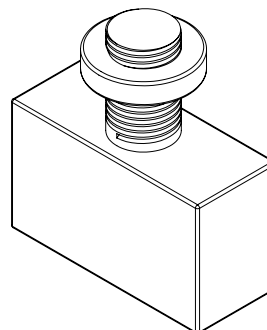
3-5 mil Zinc Rich Super Durable Polyester Primer

Prepared Casting

Chemically washed in multi Step 5 stage cleaning process

BUTTON PHOTOCELL

Photo Cell for dusk to dawn operation.



SHIELDING OPTIONS (HSS)

SHIELDS (HSS)—House Side Shield (HSS) is designed for full property line cut-off.

HOUSE SIDE SHIELD

