



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 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)
	Type 2 (T2)	16 LED (16L)	400 mA (40) ⁸		347V-480V (HV)
	Type 3 (T3)	32 LED (32L)	530 mA (53)		
	Type 4 (T4)		700 mA (7)	Amber LED Phosphor Converted (AMBER/PC) ^{1, 6, 7, 14}	
	Type 5 (T5)		1050 mA (1)	2700K, 70 CRI (27K7) ²	
	Performance Silicone Micro Optics	Standard Configurations		2700K, 80 CRI (27K8) ²	
	Type 4 Forward Throw Wide (For Perimeters) (T4FTW)	16 LED (16L)	400 mA (40) ⁸	3000K, 70 CRI (30K7) ²	
	Type 5 Wide (for Improved Uniformity & Wider Pole Spacing) (T5W)	32 LED (32L)	530 mA (53)	3000K, 80 CRI (30K8) ²	
			700 mA (7)	3500K, 80 CRI (35K8) ²	
			1050 mA (1)	4000K, 70 CRI (40K7) ²	
		Performance Plus Configurations*		4000K, 80 CRI (40K8) ²	
		32 LED (32L)	350 mA (35) ⁹	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
Direct Pole 6" Arm Single D180 (DPS6) ¹⁵	Bronze Textured (BRZ)	Nema 7-Pin Receptacle (PE7)	Bird Spikes (BS)
	White Textured (WHT)	Photocell + Receptacle (PCR)	Marine Grade Finish (MGF)
Direct Pole 10" Arm D90, T90, T120, Quad (DPS10) ¹⁵	Smooth White Gloss (SWT)	Receptacle + Shorting Cap (PER)	Quick Mount Bracket (QMB)
Wall Mount (WM)	Silver Metallic (SVR)	FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)	Retrofit Mount Bracket (RQMB)
	Black Textured (BLK)	8' Heights (FSP211-8) ^{4, 11}	Round Pole Adaptor 3"-4" Pole (RPA4)
*For Round Poles please order RPA Adaptor	Smooth Black Gloss (SBK)	9'-20' Heights (FSP211-20) ^{4, 11}	Round Pole Adaptor 5"-6" Pole (RPA5)
	Graphite Textured (GPH)	21'-40' Heights (FSP211-40) ^{4, 11}	Rotated Optic Left (ROL)
	Grey Textured (GRY)	FSP-221 w/Motion Sensor/Photocell (100/347VAC, 208/230/480VAC)	Rotated Optic Right (ROR)
	Green Textured (GRN)	8' Heights (FSP-HV-8) ¹²	Single Fuse (SF)
	Hunter Green Textured (HGN)	9'-20' Heights (FSP-HV-20) ¹²	Double Fuse (DF)
	Custom (CS)	21'-40' Heights (FSP-HV-40) ¹²	Black Optical Frame (BOF) ¹
		Custom Controls Integration (CCI) ¹⁰	House Side Shield (HSS)
		Button Type Photocell (PC) ⁴	Buy American Act (BAA) ³
		FSP Remote (FSIR) ¹³	Trade Agreement Act (TAA) ³
		DALI-2 (D2) ¹⁰	Build America Buy American (BABA) ³

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 (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avl-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
15. For Round Pole "Specify" RPA4 or RPA5 adaptor



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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, Amber/PC, 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

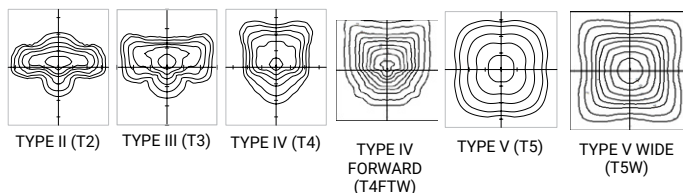
- **FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)** (FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- **FSP-221 w/Motion Sensor/Photocell (100-347VAC, 208/230/480VAC)** (FSP-HV-X) - Passive infrared (PIR) sensor providing multi-level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

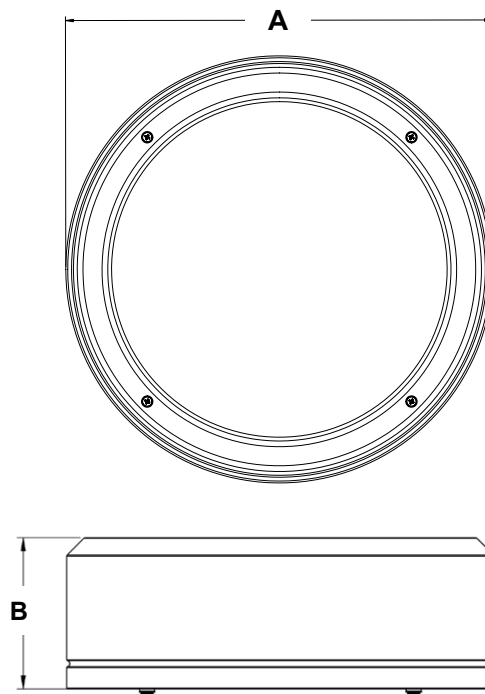
DIMENSION	VSR-S
A	14 in.
B	4 in.
Weight	10 lbs

DPX ARM LENGTH

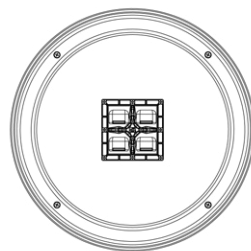
DPX ARM LENGTH	SGL	D90	D180	T90	T120	QD
VSR-S	3"	6"	3"	6"	6"	6"

EPA

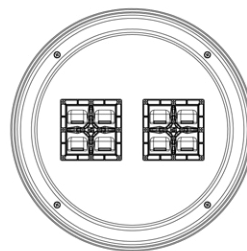
EPA	SGL	D90	D180	T90	T120	QD
VSR-S	0.18	0.36	0.36	0.54	0.54	0.76



OPTICAL CONFIGURATIONS



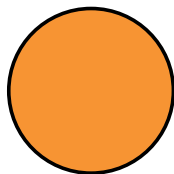
VSR-S / 16L



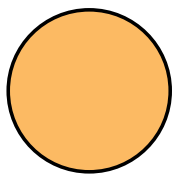
VSR-S / 32L

PRODUCT SPECIFICATIONS

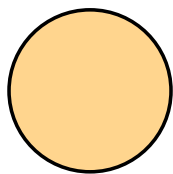
LED KELVIN RANGE



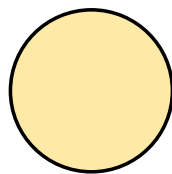
AMBER
585-600 nm



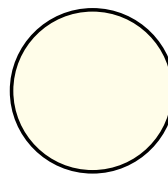
2700K 70 CRI



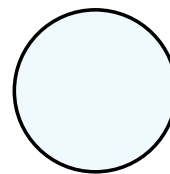
3000K 70 CRI



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	48,000	143,000	94.3%	89.5%	87.2%	78.5%
*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	2085	99	2176	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	2952	105	2927	105	3056	109	28
VSR-S-16L-53-27K8	2836	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	3702	103	3862	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	93	5438	97	56
VSR-S-16L-1-27K8	5074	91	4947	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

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	93	5438	97	56
VSR-S-32L-53-27K8	5074	91	4947	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	7289	103	7303	103	7617	107	71
VSR-S-32L-7-27K8	7003	99	6826	96	6839	96	7133	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	10255	97	10000	94	9910	93	10294	97	106
VSR-S-32L-1-27K8	9603	91	9364	88	9280	88	9640	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

PRODUCT SPECIFICATIONS

LUMEN CHARTS - STANDARD MICRO OPTICS

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

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

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 16 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSR-S-16L-40-27K7	2247	107	2337	103	21
VSR-S-16L-40-27K8	2104	100	2188	96	21
VSR-S-16L-40-30K7	2429	116	2527	111	21
VSR-S-16L-40-30K8	2256	107	2347	103	21
VSR-S-16L-40-35K8	2256	107	2347	103	21
VSR-S-16L-40-40K7	2625	125	2730	120	21
VSR-S-16L-40-40K8	2430	116	2527	111	21
VSR-S-16L-40-50K7	2625	125	2730	120	21
VSR-S-16L-40-50K8	2430	116	2527	111	21
VSR-S-16L-53-27K7	2780	99	3044	108	28
VSR-S-16L-53-27K8	2603	93	2851	101	28
VSR-S-16L-53-30K7	3006	107	3291	117	28
VSR-S-16L-53-30K8	2792	100	3056	108	28
VSR-S-16L-53-35K8	2792	100	3056	108	28
VSR-S-16L-53-40K7	3248	116	3556	126	28
VSR-S-16L-53-40K8	3006	107	3291	117	28
VSR-S-16L-53-50K7	3248	116	3556	126	28
VSR-S-16L-53-50K8	3006	107	3291	117	28
VSR-S-16L-7-27K7	3297	92	3883	106	36
VSR-S-16L-7-27K8	3087	86	3636	99	36
VSR-S-16L-7-30K7	3565	99	4198	115	36
VSR-S-16L-7-30K8	3311	92	3899	107	36
VSR-S-16L-7-35K8	3311	92	3899	107	36
VSR-S-16L-7-40K7	3852	107	4536	124	36
VSR-S-16L-7-40K8	3565	99	4199	115	36
VSR-S-16L-7-50K7	3852	107	4536	124	36
VSR-S-16L-7-50K8	3565	99	4199	115	36
VSR-S-16L-1-27K7	5053	90	5260	94	56
VSR-S-16L-1-27K8	4732	84	4926	88	56
VSR-S-16L-1-30K7	5463	98	5687	102	56
VSR-S-16L-1-30K8	5073	91	5281	94	56
VSR-S-16L-1-35K8	5073	91	5281	94	56
VSR-S-16L-1-40K7	5903	105	6145	110	56
VSR-S-16L-1-40K8	5464	98	5688	102	56
VSR-S-16L-1-50K7	5903	105	6145	110	56
VSR-S-16L-1-50K8	5464	98	5688	102	56

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSR-S-32L-35-27K7	3696	109	3754	110	34
VSR-S-32L-35-27K8	3461	102	3516	103	34
VSR-S-32L-35-30K7	3996	118	4059	119	34
VSR-S-32L-35-30K8	3711	109	3770	111	34
VSR-S-32L-35-35K8	3711	109	3770	111	34
VSR-S-32L-35-40K7	4318	127	4386	129	34
VSR-S-32L-35-40K8	3997	118	4060	119	34
VSR-S-32L-35-50K7	4318	127	4386	129	34
VSR-S-32L-35-50K8	3997	118	4060	119	34
VSR-S-32L-53-27K7	5609	108	5992	115	52
VSR-S-32L-53-27K8	5253	101	5611	108	52
VSR-S-32L-53-30K7	6064	117	6479	125	52
VSR-S-32L-53-30K8	5632	108	6017	116	52
VSR-S-32L-53-35K8	5632	108	6017	116	52
VSR-S-32L-53-40K7	6552	126	7000	135	52
VSR-S-32L-53-40K8	6065	117	6479	125	52
VSR-S-32L-53-50K7	6552	126	7000	135	52
VSR-S-32L-53-50K8	6065	117	6479	125	52
VSR-S-32L-7-27K7	6503	92	7475	105	71
VSR-S-32L-7-27K8	6090	86	7000	99	71
VSR-S-32L-7-30K7	7031	99	8082	114	71
VSR-S-32L-7-30K8	6530	92	7506	106	71
VSR-S-32L-7-35K8	6530	92	7506	106	71
VSR-S-32L-7-40K7	7597	107	8733	123	71
VSR-S-32L-7-40K8	7032	99	8083	114	71
VSR-S-32L-7-50K7	7597	107	8733	123	71
VSR-S-32L-7-50K8	7032	99	8083	114	71
VSR-S-32L-1-27K7	9333	90	9724	94	104
VSR-S-32L-1-27K8	8740	84	9106	88	104
VSR-S-32L-1-30K7	10091	97	10514	101	104
VSR-S-32L-1-30K8	9371	90	9764	94	104
VSR-S-32L-1-35K8	9371	90	9764	94	104
VSR-S-32L-1-40K7	10903	105	11360	109	104
VSR-S-32L-1-40K8	10092	97	10515	101	104
VSR-S-32L-1-50K7	10903	105	11360	109	104
VSR-S-32L-1-50K8	10092	97	10515	101	104

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - STANDARD MICRO OPTICS

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 - 32LED				
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

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-G1	B0-U0-G1
VSR-S-16L-53-40K8-HSS	B0-U0-G1	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 - 32LED		
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-G2
VSR-S-32L-7-40K8-HSS	B0-U0-G1	B0-U0-G2
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

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

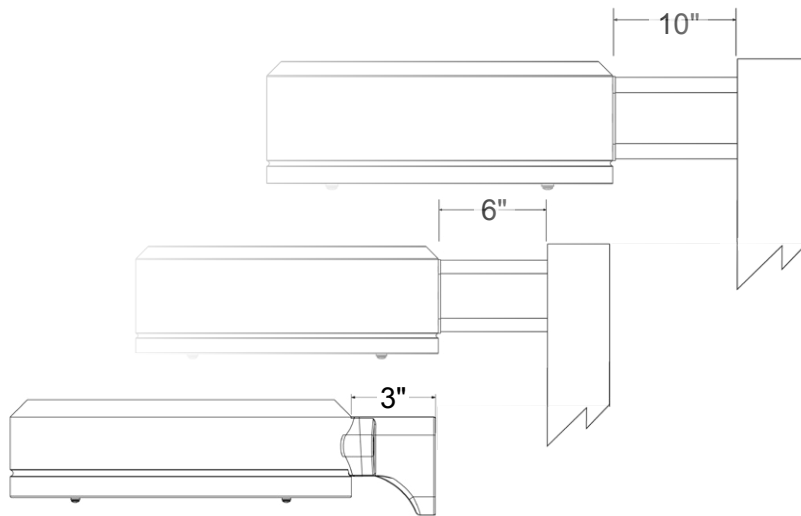
PERFORMANCE SILICONE MICRO OPTICS - NON- SHIELDED - 32LED		
Part Number	T4FTW	T5W
VSR-S-32L-35-27K7	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-27K8	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-30K7	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-30K8	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-35K8	B1-U0-G1	B3-U0-G1
VSR-S-32L-35-40K7	B1-U0-G2	B3-U0-G1
VSR-S-32L-35-40K8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

DIRECT POLE MOUNT(DPX)

Standard mounting arm is extruded aluminum in lengths of 3", 6", And 10"

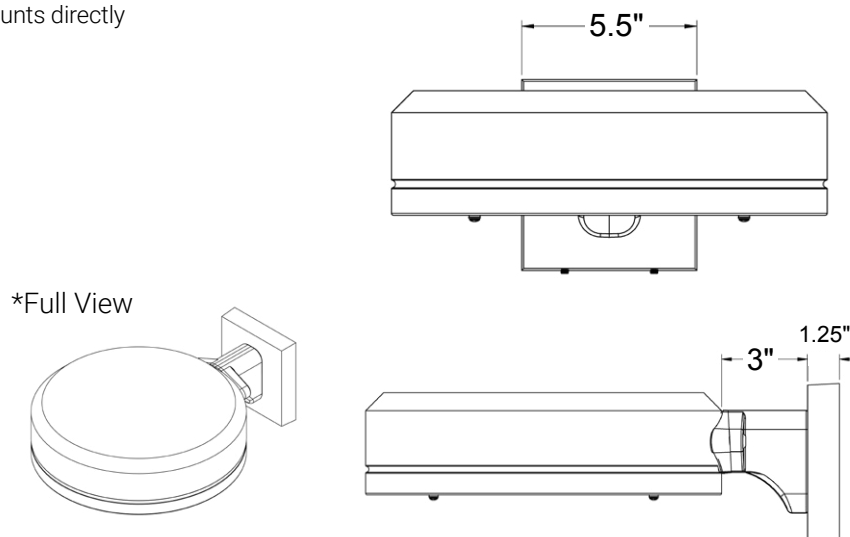
*Arm lengths may vary depending on configuration



*VSR-S only (Single/D180)

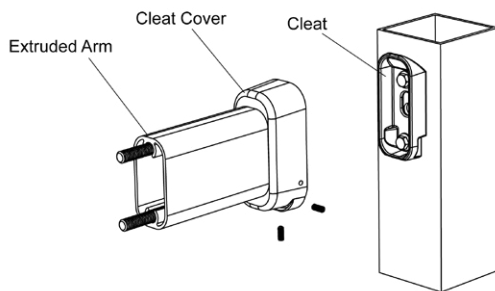
WALL MOUNT (WM)

Cast Aluminum Plate for direct wall mount.
3" extruded aluminum arm mounts directly to a cast wall mount box.

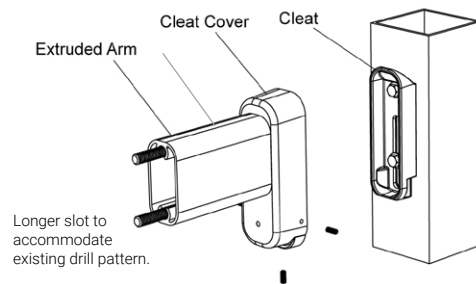
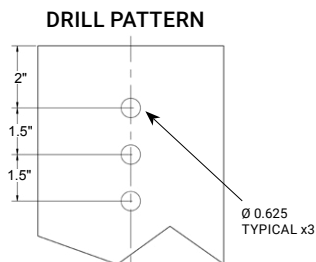


PRODUCT SPECIFICATIONS

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures.

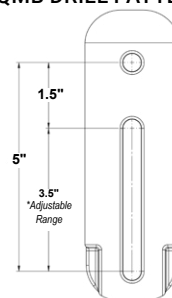


**QUICK MOUNT BRACKET (QMB)
DIRECT POLE (DP6/DP10)**

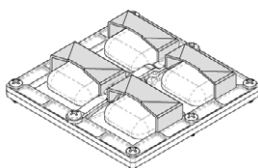


RETROFIT QUICK MOUNT BRACKET (RQMB)

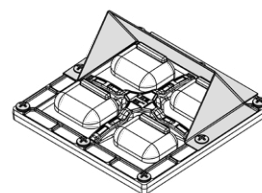
RQMB DRILL PATTERN



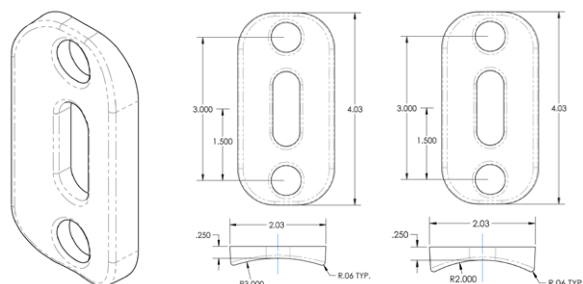
HOUSE SIDE SHIELD



AUTOMOTIVE HOUSE SIDE SHIELD



RPA4 / RPA5



PRODUCT SPECIFICATIONS

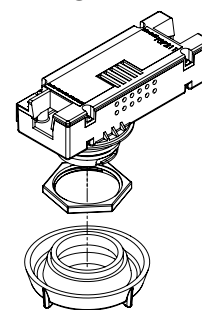
CONTROL OPTIONS

- 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.

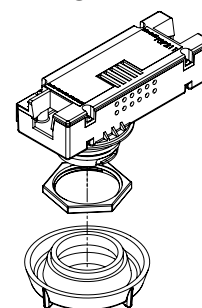
FSP-211



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

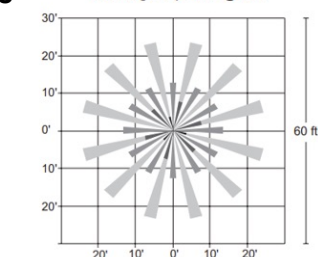
- FSP-221 (FSP-HV-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 100-347VAC 208/230/480VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below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



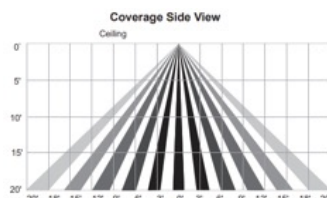
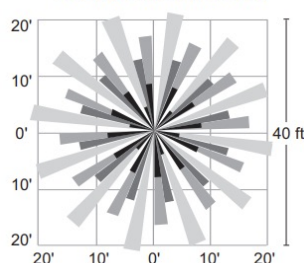
FSP-8

Coverage Top View @ 12ft.



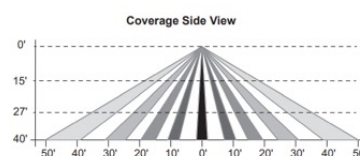
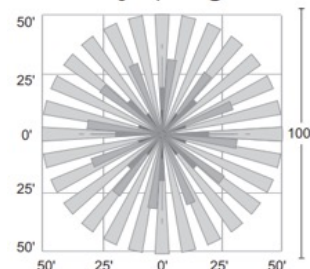
FSP-20

Coverage Top View @ 20 ft.



FSP-40

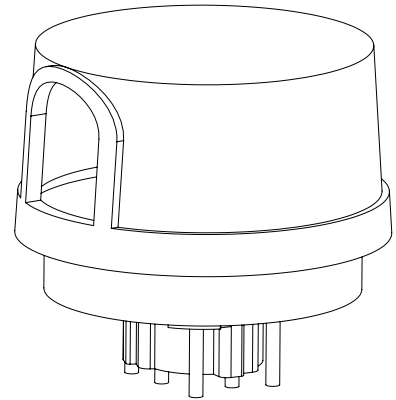
Coverage Top View @ 40ft



PRODUCT SPECIFICATIONS

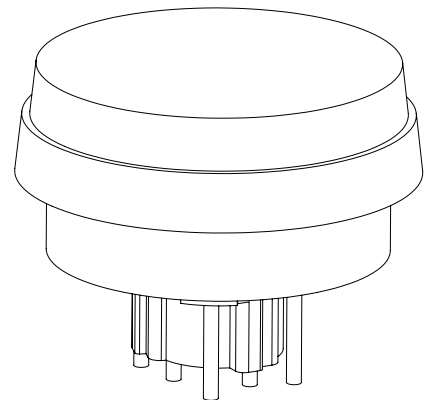
PHOTOCELL + RECEPTACLE (PCR)

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



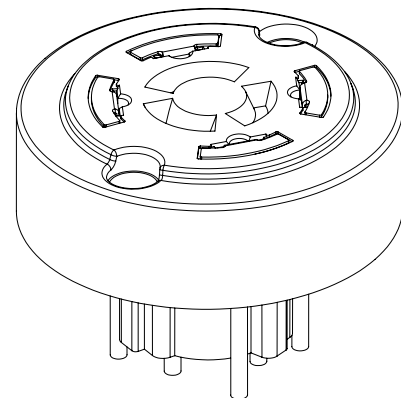
RECEPTACLE + SHORTING CAP (PER)

7-Pin Receptacle and Shorting Cap.



NEMA 7-PIN RECEPTACLE (PE7)

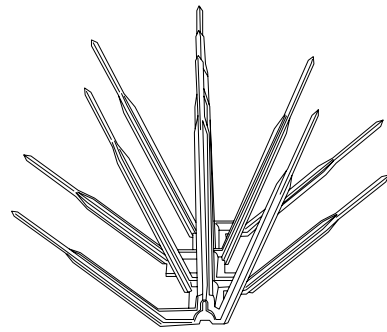
An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.



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.

