



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
- Economy performance
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs up to 65%
- Optical system designed for Parking Structures

CONSTRUCTION

- Die formed heavy duty aluminum
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP67 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-S-CM ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Drive Current	Color Temp./CRI	Voltage
Value Series Square Small (VSS-S)	Standard Silicone Micro Optics		Standard Configurations		Amber LED 595nm Dominant Wavelength Standard Turtle Friendly (AMBER) ^{1, 6, 7, 14}
	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} 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 4 Forward Throw Wide (For Perimeters) (T4FTW)	16 LED (16L)	400 mA (40) ⁸		
	Type 5 Wide (for Improved Uniformity & Wider Pole Spacing) (T5W)	32 LED (32L)	530 mA (53)		
			700 mA (7)		
			1050 mA (1)		
			Performance Plus Configurations*		
		32 LED (32L)	350 mA (35) ⁹		
	* 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).				

* 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
Ceiling Mount (CM)	Bronze Textured (BRZ)	Nema 7-Pin Receptacle (PE7)	Bird Spikes (BS)
	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)	Retrofit Mount Bracket (RQMB)
	Black Textured (BLK)	8' Heights (FSP211-8) ^{4, 11}	Round Pole Adaptor 3"-4" Pole (RPA4)
	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	Automotive House Side Shield (AHS)
	Hunter Green Textured (HGN)	9'-20' Heights (FSP-HV-20) ¹²	Single Fuse (SF)
	Custom (CS)	21'-40' Heights (FSP-HV-40) ¹²	Double Fuse (DF)
		Custom Controls Integration (CCI) ¹⁰	Black Optical Frame (BOF) ¹
		FSP Remote (FSIR) ¹³	House Side Shield (HSS)
		DALI-2 (D2) ¹⁰	Buy American Act (BAA) ³
		Button Type Photocell (PC) ⁴	Trade Agreement Act (TAA) ³
			Build America Buy American (BABA) ³

NOTES:

- Consult Factory for Lead Time
- Consult Factory for 90 CRI Requests
- Consult factory for all BAA/TAA/BABA requests
- Universal Voltage 120V-277V
- 3000K or lower, w/fixed mounting options only. Must be selected to meet International Dark-Sky Association certification
- Turtle Safe
- Not available above 530mA
- 16L Only
- 32L Only with T4FTW & T5W Performance Silicone Micro Optics
- Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avl-On, or other control systems)
- FSP-211, 120V/277V, 230-240VAC (single phase), 50/60Hz
- FSP-221, 100-347VAC (single phase) or 208/230/480VAC (phase-to-phase)
- Projects with sensors require Qty. 1 FSIR per project.
- See estimated scaling chart for multiplier values to estimate lumen output Please contact Factory to verify the estimated performance data
- All Emergency Battery Options Certified CA Title 20



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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 (degC) is -40c and Ambient Temp. Max (degC) ranges from 50c to 55c and in some cases, even higher. Consult factory for revalidation by providing 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

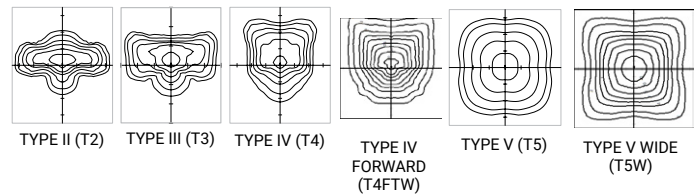
CONTROLS

- **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-40 mounting heights 21-40 feet.
 - FSP-20 mounting heights 9' feet to 20'.
 - 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.
- 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 photo-thermal 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

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/>



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

NLS
LIGHTING

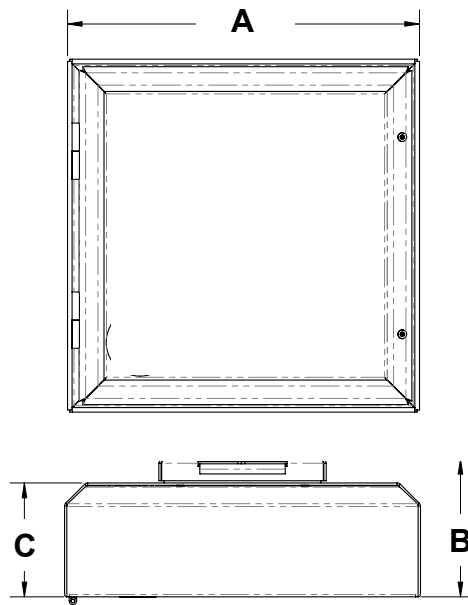
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PRODUCT SPECIFICATIONS

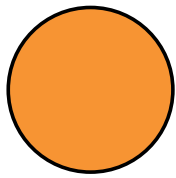
DIMENSION	VSS-S
A	12.5 in. SQ
B	4.83 in.
C	4.00 in.
WEIGHT	13 lbs.

EPA	SGL
VSS-S-CM	0.40

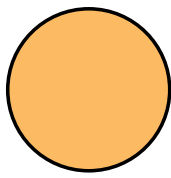


PRODUCT SPECIFICATIONS

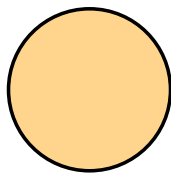
LED KELVIN RANGE



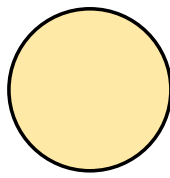
AMBER
585-600 nm



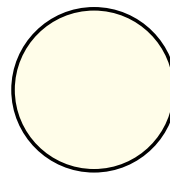
2700K 70 CRI



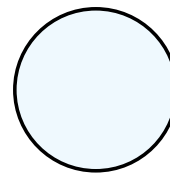
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

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

EMERGENCY OPERATION LUMENS									
PART NUMBER	T2 LUMENS	T2 LM/W	T3 LUMENS	T3 LM/W	T4 LUMENS	T4 LM/W	T5 LUMENS	T5 LM/W	WATTS
VSR-X-16L-35-30K7	2231	119	2188	116	2154	115	2255	120	18
VSR-X-16L-35-40K7	2305	128	2247	125	2227	124	2324	129	18
VSR-X-16L-35-50K7	2356	131	2297	128	2277	127	2376	132	18

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
VSS-S-CM-16L-40-27K7	2254	107	2219	106	2417	115	2356	112	21
VSS-S-CM-16L-40-27K8	2111	101	2078	99	2263	108	2206	105	21
VSS-S-CM-16L-40-30K7	2437	116	2399	114	2613	124	2547	121	21
VSS-S-CM-16L-40-30K8	2263	108	2228	106	2427	116	2365	113	21
VSS-S-CM-16L-40-35K8	2263	108	2228	106	2427	116	2365	113	21
VSS-S-CM-16L-40-40K7	2633	125	2592	123	2823	134	2752	131	21
VSS-S-CM-16L-40-40K8	2437	116	2399	114	2613	124	2547	121	21
VSS-S-CM-16L-40-50K7	2633	125	2592	123	2823	134	2752	131	21
VSS-S-CM-16L-40-50K8	2437	116	2399	114	2613	124	2547	121	21
VSS-S-CM-16L-53-27K7	2745	98	2719	97	2849	102	2952	105	28
VSS-S-CM-16L-53-27K8	2571	92	2546	91	2668	95	2765	99	28
VSS-S-CM-16L-53-30K7	2968	106	2940	105	3080	110	3192	114	28
VSS-S-CM-16L-53-30K8	2756	98	2730	98	2860	102	2964	106	28
VSS-S-CM-16L-53-35K8	2756	98	2730	98	2860	102	2964	106	28
VSS-S-CM-16L-53-40K7	3472	124	3416	122	3584	128	3472	124	28
VSS-S-CM-16L-53-40K8	3214	115	3162	113	3317	118	3214	115	28
VSS-S-CM-16L-53-50K7	3472	124	3416	122	3584	128	3472	124	28
VSS-S-CM-16L-53-50K8	3214	115	3162	113	3317	118	3214	115	28
VSS-S-CM-16L-7-27K7	3396	94	3363	93	3529	98	3663	102	36
VSS-S-CM-16L-7-27K8	3180	88	3149	87	3305	92	3430	95	36
VSS-S-CM-16L-7-30K7	3672	102	3636	101	3816	106	3960	110	36
VSS-S-CM-16L-7-30K8	3410	95	3377	94	3544	98	3678	102	36
VSS-S-CM-16L-7-35K8	3410	95	3377	94	3544	98	3678	102	36
VSS-S-CM-16L-7-40K7	4284	119	4248	118	4428	123	4392	122	36
VSS-S-CM-16L-7-40K8	3965	110	3932	109	4099	114	4065	113	36
VSS-S-CM-16L-7-50K7	4284	119	4248	118	4428	123	4392	122	36
VSS-S-CM-16L-7-50K8	3965	110	3932	109	4099	114	4065	113	36
VSS-S-CM-16L-1-27K7	5128	92	5076	91	5002	89	5542	99	56
VSS-S-CM-16L-1-27K8	4802	86	4753	85	4684	84	5190	93	56
VSS-S-CM-16L-1-30K7	5544	99	5488	98	5408	97	5992	107	56
VSS-S-CM-16L-1-30K8	5149	92	5097	91	5022	90	5565	99	56
VSS-S-CM-16L-1-35K8	5149	92	5097	91	5022	90	5565	99	56
VSS-S-CM-16L-1-40K7	6496	116	6384	114	6440	115	6608	118	56
VSS-S-CM-16L-1-40K8	6013	107	5909	106	5961	106	6116	109	56
VSS-S-CM-16L-1-50K7	6496	116	6384	114	6440	115	6608	118	56
VSS-S-CM-16L-1-50K8	6013	107	5909	106	5961	106	6116	109	56

STANDARD SILICONE MICRO OPTICS - SHIELDED - 16 LED					
Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSS-S-CM-16L-53-27K7-HSS	1502	54	1476	53	28
VSS-S-CM-16L-53-27K8-HSS	1407	50	1382	49	28
VSS-S-CM-16L-53-30K7-HSS	1624	58	1596	57	28
VSS-S-CM-16L-53-30K8-HSS	1508	54	1482	53	28
VSS-S-CM-16L-53-35K8-HSS	1508	54	1482	53	28
VSS-S-CM-16L-53-40K7-HSS	1848	66	1820	65	28
VSS-S-CM-16L-53-40K8-HSS	1711	61	1685	60	28
VSS-S-CM-16L-53-50K7-HSS	1848	66	1820	65	28
VSS-S-CM-16L-53-50K8-HSS	1711	61	1685	60	28
VSS-S-CM-16L-7-27K7-HSS	1931	54	1898	53	36
VSS-S-CM-16L-7-27K8-HSS	1808	50	1777	49	36
VSS-S-CM-16L-7-30K7-HSS	2088	58	2052	57	36
VSS-S-CM-16L-7-30K8-HSS	1939	54	1906	53	36
VSS-S-CM-16L-7-35K8-HSS	1939	54	1906	53	36
VSS-S-CM-16L-7-40K7-HSS	2376	66	2340	65	36
VSS-S-CM-16L-7-40K8-HSS	2199	61	2166	60	36
VSS-S-CM-16L-7-50K7-HSS	2376	66	2340	65	36
VSS-S-CM-16L-7-50K8-HSS	2199	61	2166	60	36
VSS-S-CM-16L-1-27K7-HSS	3004	54	2952	53	56
VSS-S-CM-16L-1-27K8-HSS	2813	50	2765	49	56
VSS-S-CM-16L-1-30K7-HSS	3248	58	3192	57	56
VSS-S-CM-16L-1-30K8-HSS	3016	54	2964	53	56
VSS-S-CM-16L-1-35K8-HSS	3016	54	2964	53	56
VSS-S-CM-16L-1-40K7-HSS	3696	66	3640	65	56
VSS-S-CM-16L-1-40K8-HSS	3421	61	3369	60	56
VSS-S-CM-16L-1-50K7-HSS	3696	66	3640	65	56
VSS-S-CM-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
VSS-S-CM-32L-53-27K7	5490	98	5438	97	5697	102	5956	106	56
VSS-S-CM-32L-53-27K8	5141	92	5093	91	5335	95	5578	100	56
VSS-S-CM-32L-53-30K7	5936	106	5880	105	6160	110	6440	115	56
VSS-S-CM-32L-53-30K8	5513	98	5461	98	5721	102	5981	107	56
VSS-S-CM-32L-53-35K8	5513	98	5461	98	5721	102	5981	107	56
VSS-S-CM-32L-53-40K7	6944	124	6832	122	7168	128	6888	123	56
VSS-S-CM-32L-53-40K8	6427	115	6324	113	6635	118	6376	114	56
VSS-S-CM-32L-53-50K7	6944	124	6832	122	7168	128	6888	123	56
VSS-S-CM-32L-53-50K8	6427	115	6324	113	6635	118	6376	114	56
VSS-S-CM-32L-7-27K7	6698	94	6632	93	6895	97	7223	102	71
VSS-S-CM-32L-7-27K8	6272	88	6211	87	6457	91	6764	95	71
VSS-S-CM-32L-7-30K7	7242	102	7171	101	7455	105	7810	110	71
VSS-S-CM-32L-7-30K8	6725	95	6660	94	6923	98	7253	102	71
VSS-S-CM-32L-7-35K8	6725	95	6660	94	6923	98	7253	102	71
VSS-S-CM-32L-7-40K7	8520	120	8378	118	8733	123	8449	119	71
VSS-S-CM-32L-7-40K8	7886	111	7755	109	8083	114	7821	110	71
VSS-S-CM-32L-7-50K7	8520	120	8378	118	8733	123	8449	119	71
VSS-S-CM-32L-7-50K8	7886	111	7755	109	8083	114	7821	110	71
VSS-S-CM-32L-1-27K7	9706	92	9494	90	9706	92	10490	99	106
VSS-S-CM-32L-1-27K8	9089	86	8891	84	9089	86	9823	93	106
VSS-S-CM-32L-1-30K7	10494	99	10265	97	10494	99	11342	107	106
VSS-S-CM-32L-1-30K8	9746	92	9533	90	9746	92	10533	99	106
VSS-S-CM-32L-1-35K8	9746	92	9533	90	9746	92	10533	99	106
VSS-S-CM-32L-1-40K7	12402	117	12190	115	12190	115	12508	118	106
VSS-S-CM-32L-1-40K8	11479	108	11283	106	11283	106	11578	109	106
VSS-S-CM-32L-1-50K7	12402	117	12190	115	12190	115	12508	118	106
VSS-S-CM-32L-1-50K8	11479	108	11283	106	11283	106	11578	109	106

STANDARD SILICONE MICRO OPTICS - SHIELDED - 32 LED					
Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSS-S-CM-32L-53-27K7-HSS	3004	54	2952	53	56
VSS-S-CM-32L-53-27K8-HSS	2813	50	2765	49	56
VSS-S-CM-32L-53-30K7-HSS	3248	58	3192	57	56
VSS-S-CM-32L-53-30K8-HSS	3016	54	2964	53	56
VSS-S-CM-32L-53-35K8-HSS	3016	54	2964	53	56
VSS-S-CM-32L-53-40K7-HSS	3696	66	3640	65	56
VSS-S-CM-32L-53-40K8-HSS	3421	61	3369	60	56
VSS-S-CM-32L-53-50K7-HSS	3696	66	3640	65	56
VSS-S-CM-32L-53-50K8-HSS	3421	61	3369	60	56
VSS-S-CM-32L-7-27K7-HSS	3809	54	3743	53	71
VSS-S-CM-32L-7-27K8-HSS	3567	50	3505	49	71
VSS-S-CM-32L-7-30K7-HSS	4118	58	4047	57	71
VSS-S-CM-32L-7-30K8-HSS	3824	54	3758	53	71
VSS-S-CM-32L-7-35K8-HSS	3824	54	3758	53	71
VSS-S-CM-32L-7-40K7-HSS	4686	66	4615	65	71
VSS-S-CM-32L-7-40K8-HSS	4337	61	4272	60	71
VSS-S-CM-32L-7-50K7-HSS	4686	66	4615	65	71
VSS-S-CM-32L-7-50K8-HSS	4337	61	4272	60	71
VSS-S-CM-32L-1-27K7-HSS	5686	54	5588	53	106
VSS-S-CM-32L-1-27K8-HSS	5325	50	5233	49	106
VSS-S-CM-32L-1-30K7-HSS	6148	58	6042	57	106
VSS-S-CM-32L-1-30K8-HSS	5710	54	5611	53	106
VSS-S-CM-32L-1-35K8-HSS	5710	54	5611	53	106
VSS-S-CM-32L-1-40K7-HSS	6996	66	6890	65	106
VSS-S-CM-32L-1-40K8-HSS	6476	61	6377	60	106
VSS-S-CM-32L-1-50K7-HSS	6996	66	6890	65	106
VSS-S-CM-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
VSS-S-CM-16L-40-27K7	2157	103	2229	106	21
VSS-S-CM-16L-40-27K8	2020	96	2087	99	21
VSS-S-CM-16L-40-30K7	2332	111	2410	115	21
VSS-S-CM-16L-40-30K8	2166	103	2238	107	21
VSS-S-CM-16L-40-35K8	2166	103	2238	107	21
VSS-S-CM-16L-40-40K7	2520	120	2604	124	21
VSS-S-CM-16L-40-40K8	2333	111	2410	115	21
VSS-S-CM-16L-40-50K7	2520	120	2604	124	21
VSS-S-CM-16L-40-50K8	2333	111	2410	115	21
VSS-S-CM-16L-53-27K7	2660	95	2828	101	28
VSS-S-CM-16L-53-27K8	2491	89	2649	95	28
VSS-S-CM-16L-53-30K7	2876	103	3058	109	28
VSS-S-CM-16L-53-30K8	2671	95	2840	101	28
VSS-S-CM-16L-53-35K8	2671	95	2840	101	28
VSS-S-CM-16L-53-40K7	3108	111	3304	118	28
VSS-S-CM-16L-53-40K8	2877	103	3058	109	28
VSS-S-CM-16L-53-50K7	3108	111	3304	118	28
VSS-S-CM-16L-53-50K8	2877	103	3058	109	28
VSS-S-CM-16L-7-27K7	3143	87	3575	99	36
VSS-S-CM-16L-7-27K8	2943	82	3348	93	36
VSS-S-CM-16L-7-30K7	3398	94	3865	107	36
VSS-S-CM-16L-7-30K8	3156	88	3589	100	36
VSS-S-CM-16L-7-35K8	3156	88	3589	100	36
VSS-S-CM-16L-7-40K7	3672	102	4176	116	36
VSS-S-CM-16L-7-40K8	3399	94	3865	107	36
VSS-S-CM-16L-7-50K7	3672	102	4176	116	36
VSS-S-CM-16L-7-50K8	3399	94	3865	107	36
VSS-S-CM-16L-1-27K7	4786	85	4921	88	56
VSS-S-CM-16L-1-27K8	4482	80	4609	82	56
VSS-S-CM-16L-1-30K7	5175	92	5321	95	56
VSS-S-CM-16L-1-30K8	4806	86	4942	88	56
VSS-S-CM-16L-1-35K8	4806	86	4942	88	56
VSS-S-CM-16L-1-40K7	5592	100	5749	103	56
VSS-S-CM-16L-1-40K8	5176	92	5321	95	56
VSS-S-CM-16L-1-50K7	5592	100	5749	103	56
VSS-S-CM-16L-1-50K8	5176	92	5321	95	56

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSS-S-CM-32L-35-27K7	3580	105	3871	114	34
VSS-S-CM-32L-35-27K8	3352	99	3625	107	34
VSS-S-CM-32L-35-30K7	3870	114	4185	123	34
VSS-S-CM-32L-35-30K8	3594	106	3887	114	34
VSS-S-CM-32L-35-35K8	3594	106	3887	114	34
VSS-S-CM-32L-35-40K7	4182	123	4522	133	34
VSS-S-CM-32L-35-40K8	3871	114	4186	123	34
VSS-S-CM-32L-35-50K7	4182	123	4522	133	34
VSS-S-CM-32L-35-50K8	3871	114	4186	123	34
VSS-S-CM-32L-53-27K7	5413	97	6280	112	56
VSS-S-CM-32L-53-27K8	5069	91	5881	105	56
VSS-S-CM-32L-53-30K7	5853	105	6789	121	56
VSS-S-CM-32L-53-30K8	5436	97	6305	113	56
VSS-S-CM-32L-53-35K8	5436	97	6305	113	56
VSS-S-CM-32L-53-40K7	6324	113	7336	131	56
VSS-S-CM-32L-53-40K8	5854	105	6790	121	56
VSS-S-CM-32L-53-50K7	6324	113	7336	131	56
VSS-S-CM-32L-53-50K8	5854	105	6790	121	56
VSS-S-CM-32L-7-27K7	6807	96	7840	110	71
VSS-S-CM-32L-7-27K8	6374	90	7342	103	71
VSS-S-CM-32L-7-30K7	7360	104	8477	119	71
VSS-S-CM-32L-7-30K8	6835	96	7872	111	71
VSS-S-CM-32L-7-35K8	6835	96	7872	111	71
VSS-S-CM-32L-7-40K7	7952	112	9159	129	71
VSS-S-CM-32L-7-40K8	7360	104	8478	119	71
VSS-S-CM-32L-7-50K7	7952	112	9159	129	71
VSS-S-CM-32L-7-50K8	7360	104	8478	119	71
VSS-S-CM-32L-1-27K7	9753	94	7840	75	104
VSS-S-CM-32L-1-27K8	9133	88	7342	71	104
VSS-S-CM-32L-1-30K7	10545	101	8477	82	104
VSS-S-CM-32L-1-30K8	9793	94	7872	76	104
VSS-S-CM-32L-1-35K8	9793	94	7872	76	104
VSS-S-CM-32L-1-40K7	11394	110	11959	115	104
VSS-S-CM-32L-1-40K8	10546	101	11069	106	104
VSS-S-CM-32L-1-50K7	11394	110	11959	115	104
VSS-S-CM-32L-1-50K8	10546	101	11069	106	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
VSS-S-16L-40-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-53-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
VSS-S-16L-7-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSS-S-16L-7-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSS-S-16L-7-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSS-S-16L-7-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSS-S-16L-7-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B3-U0-G1
VSS-S-16L-7-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-16L-7-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-16L-7-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-16L-7-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSS-S-16L-1-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSS-S-16L-1-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSS-S-16L-1-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSS-S-16L-1-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G1
VSS-S-16L-1-40K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-40K8	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-50K7	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-50K8	B1-U0-G1	B1-U0-G2	B1-U0-G2	B3-U0-G2

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED				
Part Number	T2	T3	T4	T5
VSS-S-32L-53-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-32L-53-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-32L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-32L-53-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-32L-53-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G2	B3-U0-G2
VSS-S-32L-53-40K7	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-53-40K8	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-53-50K7	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-53-50K8	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-27K7	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-27K8	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-30K7	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-30K8	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-35K8	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-7-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2
VSS-S-32L-1-27K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-27K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-30K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-35K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-S-32L-1-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - STANDARD MICRO OPTICS - SHIELDED

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

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

PRODUCT SPECIFICATIONS

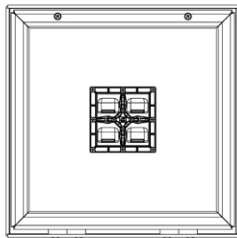
BUG RATING CHARTS - PERFORMANCE MICRO OPTICS - NON-SHIELDED

PERFORMANCE SILICONE MICRO OPTICS -NON-SHIELDED - 16 LED		
Part Number	T4FTW	T5W
VSS-S-16L-40-27K7	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-27K8	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-30K7	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-30K8	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-35K8	B1-U0-G1	B2-U0-G1
VSS-S-16L-40-40K7	B1-U0-G2	B2-U0-G1
VSS-S-16L-40-40K8	B1-U0-G2	B2-U0-G1
VSS-S-16L-40-50K7	B1-U0-G2	B2-U0-G1
VSS-S-16L-40-50K8	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-27K7	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-27K8	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-30K7	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-30K8	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-35K8	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-40K7	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-40K8	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-50K7	B1-U0-G2	B2-U0-G1
VSS-S-16L-53-50K8	B1-U0-G2	B2-U0-G1
VSS-S-16L-7-27K7	B1-U0-G2	B3-U0-G1
VSS-S-16L-7-27K8	B1-U0-G2	B3-U0-G1
VSS-S-16L-7-30K7	B1-U0-G2	B3-U0-G1
VSS-S-16L-7-30K8	B1-U0-G2	B3-U0-G1
VSS-S-16L-7-35K8	B1-U0-G2	B3-U0-G1
VSS-S-16L-7-40K7	B1-U0-G2	B3-U0-G2
VSS-S-16L-7-40K8	B1-U0-G2	B3-U0-G2
VSS-S-16L-7-50K7	B1-U0-G2	B3-U0-G2
VSS-S-16L-7-50K8	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-27K7	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-27K8	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-30K7	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-30K8	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-35K8	B1-U0-G2	B3-U0-G2
VSS-S-16L-1-40K7	B1-U0-G3	B3-U0-G2
VSS-S-16L-1-40K8	B1-U0-G3	B3-U0-G2
VSS-S-16L-1-50K7	B1-U0-G3	B3-U0-G2
VSS-S-16L-1-50K8	B1-U0-G3	B3-U0-G2

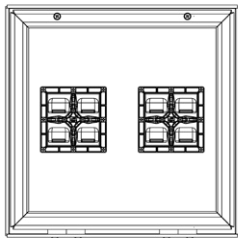
PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED		
Part Number	T4FTW	T5W
VSS-S-32L-35-27K7	B1-U0-G2	B3-U0-G1
VSS-S-32L-35-27K8	B1-U0-G2	B3-U0-G1
VSS-S-32L-35-30K7	B1-U0-G2	B3-U0-G1
VSS-S-32L-35-30K8	B1-U0-G2	B3-U0-G1
VSS-S-32L-35-35K8	B1-U0-G2	B3-U0-G1
VSS-S-32L-35-40K7	B1-U0-G2	B3-U0-G1
VSS-S-32L-35-40K8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

PRODUCT SPECIFICATIONS

OPTICAL CONFIGURATIONS



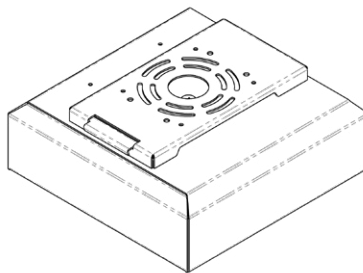
VSS-S / 16L



VSS-S / 32L

CEILING MOUNT (CM)

Rapid mounting system quick installation built into the Ceiling Mount (CM) design. Easy steps—Ceiling Bracket mounts to the Junction Box, where proper handling for wiring connections can be made before hooking and fastening fixture into Ceiling Bracket.



PRODUCT SPECIFICATIONS

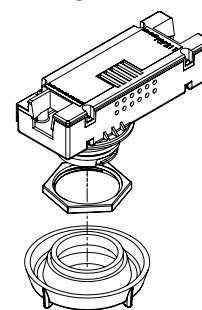
CONTROL OPTIONS

- 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.

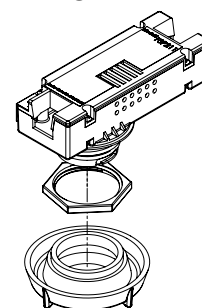
FSP-211



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

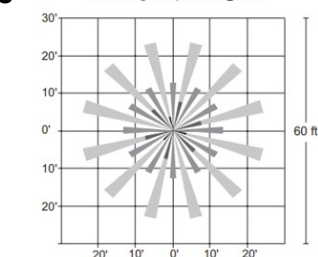
- FSP-221 (FSP-HV-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 100-347VAC 208/230/480VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below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



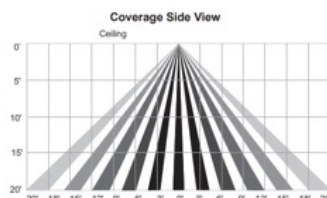
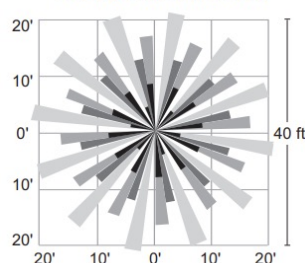
FSP-8

Coverage Top View @ 12ft.



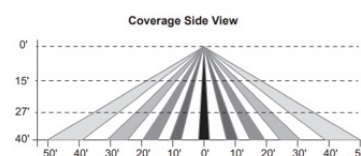
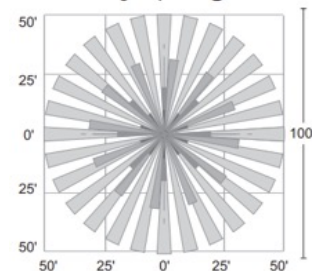
FSP-20

Coverage Top View @ 20 ft.



FSP-40

Coverage Top View @ 40ft



PRODUCT SPECIFICATIONS

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