



LED Wattage Chart

Drive Current	32L	48L	64L
700 milliamps	71W	104W	136W
1050 milliamps	106W	156W	205W

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-1-CM ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Drive Current	Color Temp./CRI	Voltage
Value Series Square 1 (VSS-1)	Standard Silicone Micro Optics		Standard Configurations		Amber LED 595nm Dominant Wavelength Standard Turtle Friendly (AMBER) ^{1, 6, 7, 13} Amber LED Phosphor Converted (AMBER/PC) ^{1, 6, 7, 13} 2700K, 70 CRI (27K7) ² 2700K, 80 CRI (27K8) ² 3000K, 70 CRI (30K7) ² 3000K, 80 CRI (30K8) ² 3500K, 80 CRI (35K8) ² 4000K, 70 CRI (40K7) ² 4000K, 80 CRI (40K8) ² 5000K, 70 CRI (50K7) ² 5000K, 80 CRI (50K8) ²
	Type 2 (T2)	32 LED (32L)	700 mA (7)		
	Type 3 (T3)	48 LED (48L)	1050 mA (1)		
	Type 4 (T4)	64 LED (64L)			
	Type 5 (T5)				
	Performance Silicone Micro Optics		Standard Configurations		
	Type 4 Forward Throw Wide (For Perimeters) (T4FTW)	32 LED (32L)	700 mA (7)		
	Type 5 Wide (for Improved Uniformity & Wider Pole Spacing) (T5W)	48 LED (48L)	1050 mA (1)		
		64 LED (64L)			
		Performance Plus Configurations*			
	64 LED (64L)	350 mA (35) ⁸			
		530 mA (53) ⁸			

* 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)

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Mounting	Color	Controls Options	Options
Ceiling Mount (CM)	Bronze Textured (BRZ)	Nema 7-Pin Receptacle (PE7)	Marine Grade Finish (MGF)
	White Textured (WHT)	Photocell + Receptacle (PCR)	Single Fuse (SF)
	Smooth White Gloss (SWT)	Receptacle + Shorting Cap (PER)	Double Fuse (DF)
	Silver Metallic (SVR)	FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)	Black Optical Frame (BOF) ¹
	Black Textured (BLK)	8' Heights (FSP211-8) ^{4, 10}	Emergency Battery 4W (EM4) ^{4, 14}
	Smooth Black Gloss (SBK)	9'-20' Heights (FSP211-20) ^{4, 10}	Emergency Battery 8W (EM8) ^{4, 14}
	Graphite Textured (GPH)	21'-40' Heights (FSP211-40) ^{4, 10}	Dual Feed Load Control Bypass Relay (LCBR) ¹
	Grey Textured (GRY)	FSP-221 w/Motion Sensor/Photocell (100/347VAC, 208/230/480VAC)	Buy American Act (BAA) ³
	Green Textured (GRN)	8' Heights (FSP-HV-8) ¹¹	Trade Agreement Act (TAA) ³
	Hunter Green Textured (HGN)	9'-20' Heights (FSP-HV-20) ¹¹	Build America Buy American (BABA) ³
	Custom (CS)	21'-40' Heights (FSP-HV-40) ¹¹	
		Custom Controls Integration (CCI) ⁹	
		Button Type Photocell (PC) ⁴	
		FSP Remote (FSIR) ¹²	
		DALI-2 (D2) ⁹	

NOTES:

1. Consult Factory for Lead Time
2. Consult Factory for 90 CRI Requests
3. Consult factory for all BAA/TAA/BABA requests
4. Universal Voltage 120V-277V
5. 3000K or lower, w/fixed mounting options only. Must be selected to meet International Dark-Sky Association certification
6. Turtle Safe
7. Not available above 530mA
8. 32L & 64L Only with T4FTW & T5W Performance Silicone Micro Optics
9. Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
10. FSP-211, 120V/277V, 230-240VAC (single phase), 50/60Hz
11. FSP-221, 100-347VAC (single phase) or 208/230/480VAC (phase-to-phase)
12. Projects with sensors require Qty. 1 FSIR per project.
13. See estimated scaling chart for multiplier values to estimate lumen output Please contact Factory to verify the estimated performance data
14. All Emergency Battery Options Certified CA Title 20



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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 (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

- 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.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- EMERGENCY BATTERY BACK-UP (EM4)
 - 100-277 VAC $\pm$ 10%, 50/60 Hz Input Voltage
 - 1A Max. Input Current
 - 6W Max. Input Power
 - 24-48 Hours Recharge Time
 - Battery Type LiFePO4 9.6VDC
 - 90 Minutes Min. Illumination Time
 - 4W Total Max. LED Powered
 - Class 2 Output Classification
 - Bi-Color Wet Location Test Switch
 - Ambient Operating Temp: 50°F to 122°F
- EMERGENCY BATTERY BACK-UP (EM8)
 - 100-277 VAC $\pm$ 10%, 50/60 Hz Input Voltage
 - 1A Max. Input Current
 - 6W Max. Input Power
 - 24 Hours Recharge Time
 - Battery Type LiFePO4 9.6VDC
 - 90 Minutes Min. Illumination Time
 - 10W Total Max. LED Powered
 - Class 2 Output Classification
 - Bi-Color Wet Location Test Switch
 - Ambient Operating Temp: 50°F to 122°F
- BLACK OPTIC FRAME (BOF) - Optional black optic frame. (includes black hardware) Standard is white

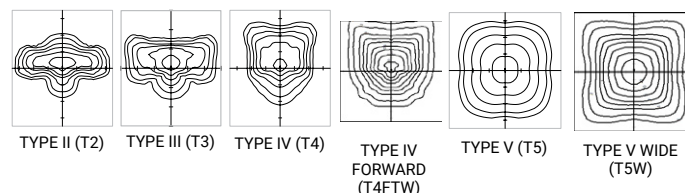
CONTROLS

- **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' feet to 20' F
 - SP-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.
- 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.



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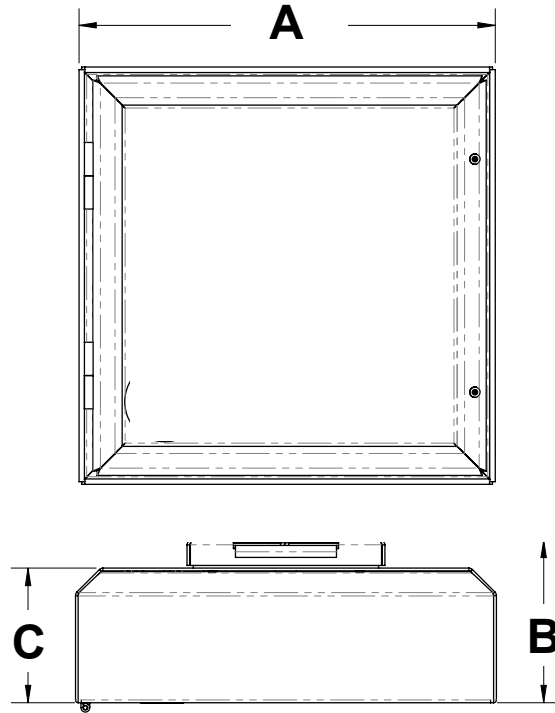
nslighting.com

PRODUCT SPECIFICATIONS

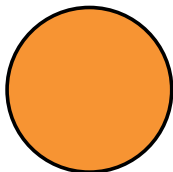
DIMENSION	VSS-1
A	17 in. SQ
B	5.83 in.
C	5.00 in.
WEIGHT	20 lbs.



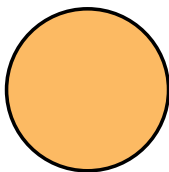
EPA	SGL
VSS-1-CM	0.70



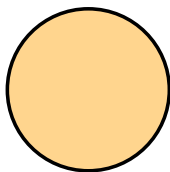
LED KELVIN RANGE



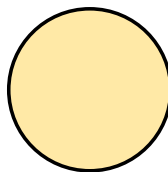
AMBER
585-600 nm



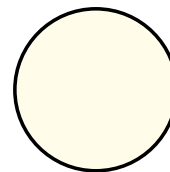
2700K 70 CRI



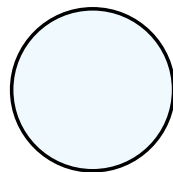
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

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

PRODUCT SPECIFICATIONS

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
VSS-X-16L-35-30K7	1980	110	1944	108	2034	113	2220	123	18
VSS-X-16L-35-40K7	2142	119	2106	117	2196	122	2304	128	18
VSS-X-16L-35-50K7	2304	128	2268	126	2470	137	2408	133	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	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 - 32 LED									
Part Number	T2	LPW	T3	LPW	T4	LPW	T5	LPW	Wattage
VSS-1-32L-7-27K7	6829	96	6698	94	7092	100	7565	107	71
VSS-1-32L-7-27K8	6395	90	6272	88	6641	94	7084	100	71
VSS-1-32L-7-30K7	7384	104	7242	102	7668	108	8179	115	71
VSS-1-32L-7-30K8	6857	97	6725	95	7121	100	7596	107	71
VSS-1-32L-7-35K8	6857	97	6725	95	7121	100	7596	107	71
VSS-1-32L-7-40K7	8662	122	8520	120	8946	126	9585	135	71
VSS-1-32L-7-40K8	8018	113	7886	111	8281	117	8872	125	71
VSS-1-32L-7-50K7	8662	122	8520	120	8946	126	9585	135	71
VSS-1-32L-7-50K8	8018	113	7886	111	8281	117	8872	125	71
VSS-1-32L-1-27K7	9902	93	9804	92	10000	94	10289	97	106
VSS-1-32L-1-27K8	9273	87	9181	87	9364	88	9635	91	106
VSS-1-32L-1-30K7	10706	101	10600	100	10812	102	11125	105	106
VSS-1-32L-1-30K8	9942	94	9844	93	10041	95	10332	97	106
VSS-1-32L-1-35K8	9942	94	9844	93	10041	95	10332	97	106
VSS-1-32L-1-40K7	12508	118	12402	117	12508	118	13144	124	106
VSS-1-32L-1-40K8	11578	109	11479	108	11578	109	12166	115	106
VSS-1-32L-1-50K7	12508	118	12402	117	12508	118	13144	124	106
VSS-1-32L-1-50K8	11578	109	11479	108	11578	109	12166	115	106

STANDARD SILICONE MICRO OPTICS - SHIELDED - 32 LED					
Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSS-1-32L-7-27K7-HSS	3809	54	3743	53	71
VSS-1-32L-7-27K8-HSS	3567	50	3505	49	71
VSS-1-32L-7-30K7-HSS	4118	58	4047	57	71
VSS-1-32L-7-30K8-HSS	3824	54	3758	53	71
VSS-1-32L-7-35K8-HSS	3824	54	3758	53	71
VSS-1-32L-7-40K7-HSS	4686	66	4615	65	71
VSS-1-32L-7-40K8-HSS	4337	61	4272	60	71
VSS-1-32L-7-50K7-HSS	4686	66	4615	65	71
VSS-1-32L-7-50K8-HSS	4337	61	4272	60	71
VSS-1-32L-1-27K7-HSS	5686	54	5588	53	106
VSS-1-32L-1-27K8-HSS	5325	50	5233	49	106
VSS-1-32L-1-30K7-HSS	6148	58	6042	57	106
VSS-1-32L-1-30K8-HSS	5710	54	5611	53	106
VSS-1-32L-1-35K8-HSS	5710	54	5611	53	106
VSS-1-32L-1-40K7-HSS	6996	66	6890	65	106
VSS-1-32L-1-40K8-HSS	6476	61	6377	60	106
VSS-1-32L-1-50K7-HSS	6996	66	6890	65	106
VSS-1-32L-1-50K8-HSS	6476	61	6377	60	106

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 48 LED									
Part Number	T2	LPW	T3	LPW	T4	LPW	T5	LPW	Wattage
VSS-1-48L-7-27K7	10004	96	9907	95	10388	100	11350	109	104
VSS-1-48L-7-27K8	9368	90	9278	89	9728	94	10629	102	104
VSS-1-48L-7-30K7	10816	104	10712	103	11232	108	12272	118	104
VSS-1-48L-7-30K8	10045	97	9948	96	10431	100	11397	110	104
VSS-1-48L-7-35K8	10045	97	9948	96	10431	100	11397	110	104
VSS-1-48L-7-40K7	12688	122	12480	120	13104	126	14248	137	104
VSS-1-48L-7-40K8	11744	113	11552	111	12129	117	13188	127	104
VSS-1-48L-7-50K7	12688	122	12480	120	13104	126	14248	137	104
VSS-1-48L-7-50K8	11744	113	11552	111	12129	117	13188	127	104
VSS-1-48L-1-27K7	15315	98	14572	93	14717	94	15294	98	156
VSS-1-48L-1-27K8	14342	92	13646	87	13781	88	14322	92	156
VSS-1-48L-1-30K7	16559	106	15756	101	15912	102	16536	106	156
VSS-1-48L-1-30K8	15378	99	14632	94	14777	95	15357	98	156
VSS-1-48L-1-35K8	15378	99	14632	94	14777	95	15357	98	156
VSS-1-48L-1-40K7	18408	118	18252	117	18408	118	19188	123	156
VSS-1-48L-1-40K8	17039	109	16894	108	17039	109	17761	114	156
VSS-1-48L-1-50K7	18408	118	18252	117	18408	118	19188	123	156
VSS-1-48L-1-50K8	17039	109	16894	108	17039	109	17761	114	156

STANDARD SILICONE MICRO OPTICS - SHIELDED - 48 LED					
Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSS-1-48L-7-27K7-HSS	5579	54	5483	53	104
VSS-1-48L-7-27K8-HSS	5224	50	5134	49	104
VSS-1-48L-7-30K7-HSS	6032	58	5928	57	104
VSS-1-48L-7-30K8-HSS	5602	54	5505	53	104
VSS-1-48L-7-35K8-HSS	5602	54	5505	53	104
VSS-1-48L-7-40K7-HSS	6864	66	6760	65	104
VSS-1-48L-7-40K8-HSS	6353	61	6257	60	104
VSS-1-48L-7-50K7-HSS	6864	66	6760	65	104
VSS-1-48L-7-50K8-HSS	6353	61	6257	60	104
VSS-1-48L-1-27K7-HSS	8368	54	8224	53	156
VSS-1-48L-1-27K8-HSS	7837	50	7701	49	156
VSS-1-48L-1-30K7-HSS	9048	58	8892	57	156
VSS-1-48L-1-30K8-HSS	8403	54	8258	53	156
VSS-1-48L-1-35K8-HSS	8403	54	8258	53	156
VSS-1-48L-1-40K7-HSS	10296	66	10140	65	156
VSS-1-48L-1-40K8-HSS	9530	61	9386	60	156
VSS-1-48L-1-50K7-HSS	10296	66	10140	65	156
VSS-1-48L-1-50K8-HSS	9530	61	9386	60	156

PRODUCT SPECIFICATIONS

LUMEN CHARTS - STANDARD MICRO OPTICS

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED									
Part Number	T2	LPW	T3	LPW	T4	LPW	T5	LPW	Wattage
VSS-1-64L-7-27K7	13082	96	12704	93	13585	100	14843	109	136
VSS-1-64L-7-27K8	12250	90	11897	87	12721	94	13899	102	136
VSS-1-64L-7-30K7	14144	104	13736	101	14688	108	16048	118	136
VSS-1-64L-7-30K8	13135	97	12756	94	13640	100	14903	110	136
VSS-1-64L-7-35K8	13135	97	12756	94	13640	100	14903	110	136
VSS-1-64L-7-40K7	16592	122	16048	118	17136	126	18632	137	136
VSS-1-64L-7-40K8	15358	113	14854	109	15861	117	17246	127	136
VSS-1-64L-7-50K7	16592	122	16048	118	17136	126	18632	137	136
VSS-1-64L-7-50K8	15358	113	14854	109	15861	117	17246	127	136
VSS-1-64L-1-27K7	20098	98	19150	93	19339	94	20098	98	205
VSS-1-64L-1-27K8	18820	92	17933	87	18110	88	18820	92	205
VSS-1-64L-1-30K7	21730	106	20705	101	20910	102	21730	106	205
VSS-1-64L-1-30K8	20180	98	19228	94	19419	95	20180	98	205
VSS-1-64L-1-35K8	20180	98	19228	94	19419	95	20180	98	205
VSS-1-64L-1-40K7	24190	118	23780	116	24190	118	25215	123	205
VSS-1-64L-1-40K8	22391	109	22011	107	22391	109	23339	114	205
VSS-1-64L-1-50K7	24190	118	23780	116	24190	118	25215	123	205
VSS-1-64L-1-50K8	22391	109	22011	107	22391	109	23339	114	205

STANDARD SILICONE MICRO OPTICS - SHIELDED - 64 LED					
Part Number	T3 HSS	LPW	T4 HSS	LPW	Wattage
VSS-1-64L-7-27K7-HSS	7295	54	7170	53	136
VSS-1-64L-7-27K8-HSS	6832	50	6714	49	136
VSS-1-64L-7-30K7-HSS	7888	58	7752	57	136
VSS-1-64L-7-30K8-HSS	7325	54	7199	53	136
VSS-1-64L-7-35K8-HSS	7325	54	7199	53	136
VSS-1-64L-7-40K7-HSS	8976	66	8840	65	136
VSS-1-64L-7-40K8-HSS	8308	61	8182	60	136
VSS-1-64L-7-50K7-HSS	8976	66	8840	65	136
VSS-1-64L-7-50K8-HSS	8308	61	8182	60	136
VSS-1-64L-1-27K7-HSS	10997	54	10807	53	205
VSS-1-64L-1-27K8-HSS	10298	50	10120	49	205
VSS-1-64L-1-30K7-HSS	11890	58	11685	57	205
VSS-1-64L-1-30K8-HSS	11042	54	10852	53	205
VSS-1-64L-1-35K8-HSS	11042	54	10852	53	205
VSS-1-64L-1-40K7-HSS	13530	66	13325	65	205
VSS-1-64L-1-40K8-HSS	12524	61	12334	60	205
VSS-1-64L-1-50K7-HSS	13530	66	13325	65	205
VSS-1-64L-1-50K8-HSS	12524	61	12334	60	205

LUMEN CHARTS - PERFORMANCE MICRO OPTICS

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 32 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSS-1-32L-7-27K7	6928	98	8268	116	71
VSS-1-32L-7-27K8	6488	91	7742	109	71
VSS-1-32L-7-30K7	7491	106	8939	126	71
VSS-1-32L-7-30K8	6957	98	8301	117	71
VSS-1-32L-7-35K8	6957	98	8301	117	71
VSS-1-32L-7-40K7	8094	114	9659	136	71
VSS-1-32L-7-40K8	7492	106	8941	126	71
VSS-1-32L-7-50K7	8094	114	9659	136	71
VSS-1-32L-7-50K8	7492	106	8941	126	71
VSS-1-32L-1-27K7	10161	96	11015	104	106
VSS-1-32L-1-27K8	9515	90	10315	97	106
VSS-1-32L-1-30K7	10986	104	11910	112	106
VSS-1-32L-1-30K8	10202	96	11061	104	106
VSS-1-32L-1-35K8	10202	96	11061	104	106
VSS-1-32L-1-40K7	11870	112	12869	121	106
VSS-1-32L-1-40K8	10987	104	11912	112	106
VSS-1-32L-1-50K7	11870	112	12869	121	106
VSS-1-32L-1-50K8	10987	104	11912	112	106

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 48 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSS-1-48L-7-27K7	10238	98	10505	101	104
VSS-1-48L-7-27K8	9587	92	9837	95	104
VSS-1-48L-7-30K7	11069	106	11358	109	104
VSS-1-48L-7-30K8	10280	99	10548	101	104
VSS-1-48L-7-35K8	10280	99	10548	101	104
VSS-1-48L-7-40K7	11960	115	12272	118	104
VSS-1-48L-7-40K8	11070	106	11359	109	104
VSS-1-48L-7-50K7	11960	115	12272	118	104
VSS-1-48L-7-50K8	11070	106	11359	109	104
VSS-1-48L-1-27K7	15058	97	14078	90	156
VSS-1-48L-1-27K8	14101	90	13183	85	156
VSS-1-48L-1-30K7	16281	104	15221	98	156
VSS-1-48L-1-30K8	15120	97	14135	91	156
VSS-1-48L-1-35K8	15120	97	14135	91	156
VSS-1-48L-1-40K7	17592	113	16446	105	156
VSS-1-48L-1-40K8	16283	104	15223	98	156
VSS-1-48L-1-50K7	17592	113	16446	105	156
VSS-1-48L-1-50K8	16283	104	15223	98	156

PRODUCT SPECIFICATIONS

LUMEN CHARTS - PERFORMANCE MICRO OPTICS

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED					
Part Number	T4FTW	LPW	T5W	LPW	Wattage
VSS-1-64L-35-27K7	7916	116	8033	118	68
VSS-1-64L-35-27K8	7413	109	7522	111	68
VSS-1-64L-35-30K7	8559	126	8685	128	68
VSS-1-64L-35-30K8	7949	117	8066	119	68
VSS-1-64L-35-35K8	7949	117	8066	119	68
VSS-1-64L-35-40K7	9248	136	9384	138	68
VSS-1-64L-35-40K8	8560	126	8686	128	68
VSS-1-64L-35-50K7	9248	136	9384	138	68
VSS-1-64L-35-50K8	8560	126	8686	128	68
VSS-1-64L-53-27K7	11076	108	12077	117	103
VSS-1-64L-53-27K8	10373	101	11310	110	103
VSS-1-64L-53-30K7	11976	116	13058	127	103
VSS-1-64L-53-30K8	11122	108	12127	118	103
VSS-1-64L-53-35K8	11122	108	12127	118	103
VSS-1-64L-53-40K7	12940	126	14109	137	103
VSS-1-64L-53-40K8	11977	116	13060	127	103
VSS-1-64L-53-50K7	12940	126	14109	137	103
VSS-1-64L-53-50K8	11977	116	13060	127	103
VSS-1-64L-7-27K7	13088	94	15111	109	139
VSS-1-64L-7-27K8	12256	88	14150	102	139
VSS-1-64L-7-30K7	14151	102	16338	118	139
VSS-1-64L-7-30K8	13142	95	15173	109	139
VSS-1-64L-7-35K8	13142	95	15173	109	139
VSS-1-64L-7-40K7	15290	110	17653	127	139
VSS-1-64L-7-40K8	14153	102	16340	118	139
VSS-1-64L-7-50K7	15290	110	17653	127	139
VSS-1-64L-7-50K8	14153	102	16340	118	139
VSS-1-64L-1-27K7	19070	92	19941	96	207
VSS-1-64L-1-27K8	17858	86	18673	90	207
VSS-1-64L-1-30K7	20619	100	21560	104	207
VSS-1-64L-1-30K8	19148	93	20022	97	207
VSS-1-64L-1-35K8	19148	93	20022	97	207
VSS-1-64L-1-40K7	22279	108	23295	113	207
VSS-1-64L-1-40K8	20622	100	21562	104	207
VSS-1-64L-1-50K7	22279	108	23295	113	207
VSS-1-64L-1-50K8	20622	100	21562	104	207

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - STANDARD MICRO OPTICS - NON-SHIELDED

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

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 48 LED				
Part Number	T2	T3	T4	T5
VSS-1-48L-7-27K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-27K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-30K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-35K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-7-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	B4-U0-G2
VSS-1-48L-1-27K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-27K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-30K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-30K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-35K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-40K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-40K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-50K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-48L-1-50K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED				
Part Number	T2	T3	T4	T5
VSS-1-64L-7-27K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-27K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-30K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-30K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-35K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-40K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-40K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-50K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-7-50K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G2
VSS-1-64L-1-27K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B5-U0-G3
VSS-1-64L-1-27K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B5-U0-G3
VSS-1-64L-1-30K7	B3-U0-G3	B3-U0-G3	B3-U0-G3	B5-U0-G3
VSS-1-64L-1-30K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B5-U0-G3
VSS-1-64L-1-35K8	B3-U0-G3	B3-U0-G3	B3-U0-G3	B5-U0-G3
VSS-1-64L-1-40K7	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-40K8	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-50K7	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-50K8	B3-U0-G3	B3-U0-G3	B3-U0-G4	B5-U0-G3

PRODUCT SPECIFICATIONS

BUG RATING CHARTS - STANDARD MICRO OPTICS - SHIELDED

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

STANDARD SILICONE MICRO OPTICS - SHIELDED 48L		
Part Number	T3 HSS	T4 HSS
VSS-1-48L-7-27K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-27K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-30K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-30K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-35K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-40K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-40K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-50K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-7-50K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-1-27K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-1-27K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-1-30K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-1-30K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-1-35K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-48L-1-40K7-HSS	B1-U0-G2	B0-U0-G2
VSS-1-48L-1-40K8-HSS	B1-U0-G2	B0-U0-G2
VSS-1-48L-1-50K7-HSS	B1-U0-G2	B0-U0-G2
VSS-1-48L-1-50K8-HSS	B1-U0-G2	B0-U0-G2

STANDARD SILICONE MICRO OPTICS - SHIELDED 64L		
Part Number	T3 HSS	T4 HSS
VSS-1-64L-7-27K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-64L-7-27K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-64L-7-30K7-HSS	B0-U0-G2	B0-U0-G2
VSS-1-64L-7-30K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-64L-7-35K8-HSS	B0-U0-G2	B0-U0-G2
VSS-1-64L-7-40K7-HSS	B0-U0-G2	B1-U0-G2
VSS-1-64L-7-40K8-HSS	B0-U0-G2	B1-U0-G2
VSS-1-64L-7-50K7-HSS	B0-U0-G2	B1-U0-G2
VSS-1-64L-7-50K8-HSS	B0-U0-G2	B1-U0-G2
VSS-1-64L-1-27K7-HSS	B1-U0-G2	B1-U0-G2
VSS-1-64L-1-27K8-HSS	B1-U0-G2	B1-U0-G2
VSS-1-64L-1-30K7-HSS	B1-U0-G2	B1-U0-G2
VSS-1-64L-1-30K8-HSS	B1-U0-G2	B1-U0-G2
VSS-1-64L-1-35K8-HSS	B1-U0-G2	B1-U0-G2
VSS-1-64L-1-40K7-HSS	B1-U0-G2	B1-U0-G3
VSS-1-64L-1-40K8-HSS	B1-U0-G2	B1-U0-G3
VSS-1-64L-1-50K7-HSS	B1-U0-G2	B1-U0-G3
VSS-1-64L-1-50K8-HSS	B1-U0-G2	B1-U0-G3

BUG RATING CHARTS - PERFORMANCE MICRO OPTICS - NON-SHIELDED

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

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 48 LED		
Part Number	T4FTW	T5W
VSS-1-48L-7-27K7	B2-U0-G3	B4-U0-G2
VSS-1-48L-7-27K8	B2-U0-G3	B4-U0-G2
VSS-1-48L-7-30K7	B2-U0-G3	B4-U0-G3
VSS-1-48L-7-30K8	B2-U0-G3	B4-U0-G3
VSS-1-48L-7-35K8	B2-U0-G3	B4-U0-G3
VSS-1-48L-7-40K7	B2-U0-G3	B4-U0-G3
VSS-1-48L-7-40K8	B2-U0-G3	B4-U0-G3
VSS-1-48L-7-50K7	B2-U0-G3	B4-U0-G3
VSS-1-48L-7-50K8	B2-U0-G3	B4-U0-G3
VSS-1-48L-1-27K7	B3-U0-G3	B4-U0-G3
VSS-1-48L-1-27K8	B3-U0-G3	B4-U0-G3
VSS-1-48L-1-30K7	B3-U0-G4	B4-U0-G3
VSS-1-48L-1-30K8	B3-U0-G4	B4-U0-G3
VSS-1-48L-1-35K8	B3-U0-G4	B4-U0-G3
VSS-1-48L-1-40K7	B3-U0-G4	B5-U0-G3
VSS-1-48L-1-40K8	B3-U0-G4	B5-U0-G3
VSS-1-48L-1-50K7	B3-U0-G4	B5-U0-G3
VSS-1-48L-1-50K8	B3-U0-G4	B5-U0-G3

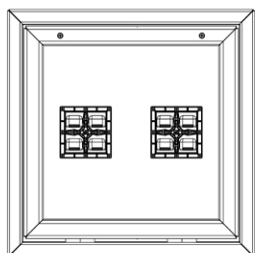
PRODUCT SPECIFICATIONS

BUG RATING CHARTS - PERFORMANCE MICRO OPTICS - NON-SHIELDED

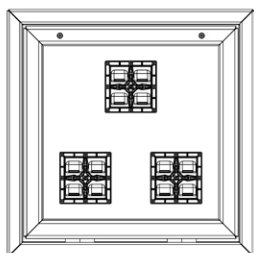
PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED		
Part Number	T4FTW	T5W
VSS-1-64L-35-27K7	B2-U0-G3	B3-U0-G2
VSS-1-64L-35-27K8	B2-U0-G3	B3-U0-G2
VSS-1-64L-35-30K7	B2-U0-G3	B4-U0-G2
VSS-1-64L-35-30K8	B2-U0-G3	B3-U0-G2
VSS-1-64L-35-35K8	B2-U0-G3	B3-U0-G2
VSS-1-64L-35-40K7	B3-U0-G3	B4-U0-G2
VSS-1-64L-35-40K8	B3-U0-G3	B4-U0-G2
VSS-1-64L-35-50K7	B3-U0-G3	B4-U0-G2
VSS-1-64L-35-50K8	B3-U0-G3	B4-U0-G2
VSS-1-64L-53-27K7	B2-U0-G3	B4-U0-G2
VSS-1-64L-53-27K8	B2-U0-G3	B4-U0-G2
VSS-1-64L-53-30K7	B2-U0-G3	B4-U0-G3
VSS-1-64L-53-30K8	B2-U0-G3	B4-U0-G2
VSS-1-64L-53-35K8	B2-U0-G3	B4-U0-G2
VSS-1-64L-53-40K7	B3-U0-G3	B4-U0-G3
VSS-1-64L-53-40K8	B3-U0-G3	B4-U0-G3
VSS-1-64L-53-50K7	B3-U0-G3	B4-U0-G3
VSS-1-64L-53-50K8	B3-U0-G3	B4-U0-G3
VSS-1-64L-7-27K7	B2-U0-G3	B4-U0-G3
VSS-1-64L-7-27K8	B2-U0-G3	B4-U0-G3
VSS-1-64L-7-30K7	B2-U0-G3	B4-U0-G3
VSS-1-64L-7-30K8	B2-U0-G3	B4-U0-G3
VSS-1-64L-7-35K8	B2-U0-G3	B4-U0-G3
VSS-1-64L-7-40K7	B3-U0-G3	B4-U0-G3
VSS-1-64L-7-40K8	B3-U0-G3	B4-U0-G3
VSS-1-64L-7-50K7	B3-U0-G3	B4-U0-G3
VSS-1-64L-7-50K8	B3-U0-G3	B4-U0-G3
VSS-1-64L-1-27K7	B3-U0-G3	B5-U0-G3
VSS-1-64L-1-27K8	B3-U0-G3	B5-U0-G3
VSS-1-64L-1-30K7	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-30K8	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-35K8	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-40K7	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-40K8	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-50K7	B3-U0-G4	B5-U0-G3
VSS-1-64L-1-50K8	B3-U0-G4	B5-U0-G3

PRODUCT SPECIFICATIONS

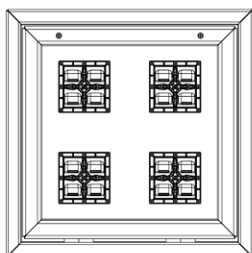
OPTICAL CONFIGURATIONS



VSS-1 / 32L



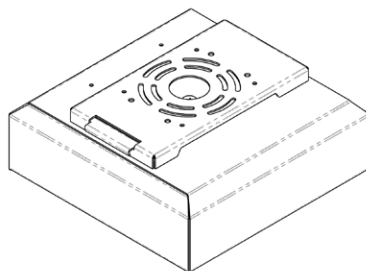
VSS-1 / 48L



VSS-1 / 64L

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

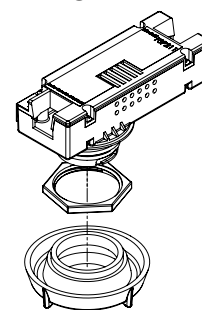
CONTROL OPTIONS

- 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.

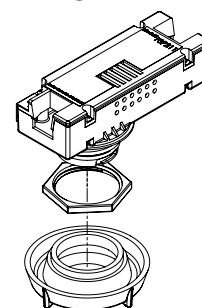
FSP-211



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

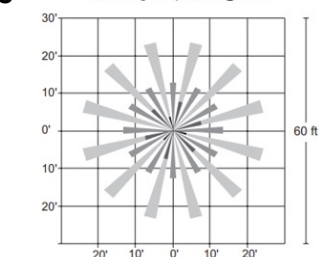
- FSP-221 (FSP-HV-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 100-347VAC 208/230/480VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below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



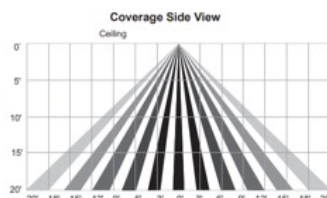
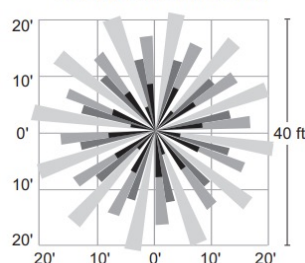
FSP-8

Coverage Top View @ 12ft.



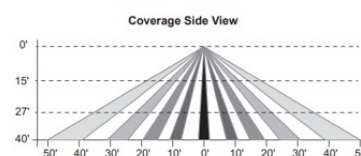
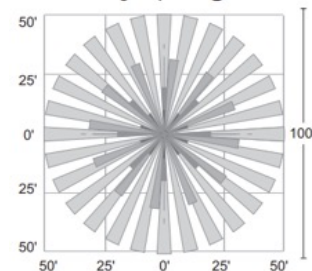
FSP-20

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