

FORM AND FUNCTION

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

CONSTRUCTION

- Spun 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

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

- Certified to UL 1598
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65/ IP67 Rated



LED WATTAGE CHART

	80L	96L
350 milliamps	-	-
530 milliamps	-	-
700 milliamps	-	-
1050 milliamps	263w	316w

Project Name:

Type:

Cat #	Micro Optics	No. of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Value Series Round 2 (VSR-2)	Type 2 (T2)	80 (80L) 96 (96L)	1050 (1)	3000K (30K)	120-277 (UNV)	Spider Mount (4-Bar) Over 20" Tenon (SPM2) Over 3" Tenon (SPM3)	Bronze (BRZ)	Bird Spikes (BS) Marine Grade Finish (MGF) Surge Protector (10K) Nema 7-Pin Receptacle (PE7) Photocell (PC) <i>*Universal Voltage 120-277</i> Motion Sensor (MS)
	Type 3 (T3)	4000K (40K)		340-480 (HV)			Silver (SVR)	FSP-211 with Motion Sensor (UNV Voltage) For 8' + Below (FSP-8) For 9' to 20' (FSP-20) For 21' to 40' (FSP-40) <i>* Motion Sensor and FSP-211 are integral to the fixture</i>
	Type 4 (T4)	5000K (50K)		Hunter Green (HGN)			Quick Mount Bracket (QMB) Retrofit Quick Mount Bracket (RQMB)	
	Type 5 (T5)	Black (BLK)		Rotate Optic Right (ROR) Rotate Optic Left (ROL) House Side Shields (HSS) <i>*HSS not applicable with N3 - NEMA 30° Optics</i> Automotive House Side Shields (AHS) Acrylic Optics (AO)				
							Graphite (GPH)	
							Grey (GRY)	
							Custom (CS)	

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver by Philips Advance
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- Lumileds Luxeon MX LED's
- CRI >70
- Color temperatures: 3000K, 4000K, 5000K

OPTIONS

- **BIRD DETERRANT (BD)**—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.
- **SHIELDS (HSS, AHS)**—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.

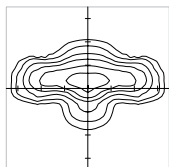
CONTROLS

- **FSP-211 (FSP-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.
 - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, reprogrammable in the field.
- **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.

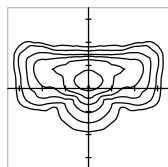
OPTICS

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.

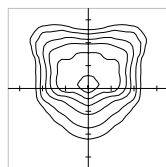
- IES Types



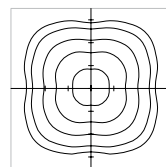
TYPE II (T2)



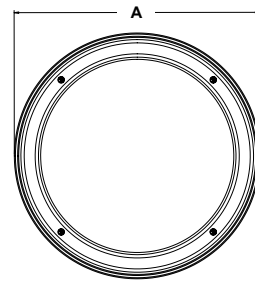
TYPE III (T3)



TYPE IV (T4)



TYPE V (T5)

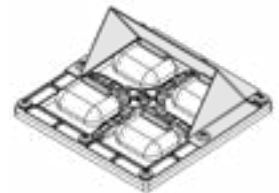


DIMENSION	VSR-2
A	21.5 in.
B	6.5 in.
Weight	26lbs

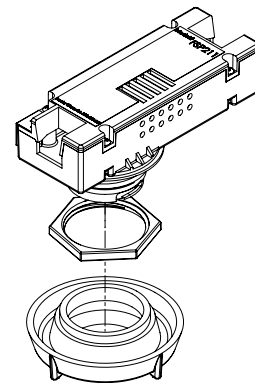
HOUSE SIDE SHIELD



AUTOMOTIVE HOUSE SIDE SHIELD



FSP-211



OPTICAL CONFIGURATIONS



VSR-2 / 80L



VSR-2 / 96L

LUMENS

PART NUMBER	T2	LM/W	DLC	BUG	T3 HSS	LM/W	BUG	T3	LM/W	DLC	BUG	T4 AHS	LM/W	T4 HSS	LM/W	BUG	T4	LM/W	DLC	BUG	T5	LM/W	DLC	BUG	Watts
VSR-2-80L-1-30K	27510	105	S	B3-U0-G3	15254	58	B1-U0-G3	26826	102	S	B3-U0-G4	18936	72	14991	57	B1-U0-G3	26585	101	S	B3-U0-G4	27741	105	S	B5-U0-G4	263
VSR-2-80L-1-40K	29601	113	S	B3-U0-G3	16306	62	B1-U0-G3	28865	110	S	B3-U0-G4	19988	76	16043	61	B1-U0-G3	28606	109	S	B3-U0-G4	29850	113	S	B5-U0-G4	263
VSR-2-80L-1-50K	30261	115	P	B3-U0-G3	17358	66	B1-U0-G3	29509	112	S	B3-U0-G4	21040	80	17095	65	B1-U0-G3	29244	111	S	B3-U0-G4	30515	116	S	B5-U0-G4	263
VSR-2-96L-1-30K	33054	105	S	B3-U0-G4	18328	58	B1-U0-G3	32232	102	S	B3-U0-G4	22752	72	18012	57	B1-U0-G3	31943	101	S	B3-U0-G4	33332	105	S	B5-U0-G4	316
VSR-2-96L-1-40K	35566	113	S	B3-U0-G4	19592	62	B1-U0-G3	34682	110	S	B4-U0-G4	24016	76	19276	61	B1-U0-G4	34371	109	S	B3-U0-G4	35865	113	S	B5-U0-G4	316
VSR-2-96L-1-50K	36359	115	S	B4-U0-G4	20856	66	B1-U0-G4	35455	112	S	B4-U0-G4	25280	80	20540	65	B1-U0-G4	35137	111	S	B3-U0-G4	36665	116	S	B5-U0-G4	316

*DLC S= Standard P= Premium

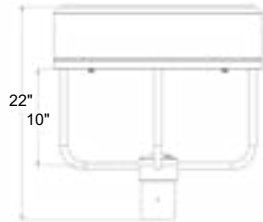
EPA

EPA	SGL	D90	D180	T90	T120	QD
VSR-2	1.36	2.17	2.73	3.18	2.91	3.18

L70/L90 DATA

TEMP.	VSR-2	
	L70	L90
25°C	483,000	>60,000

MOUNTING OPTIONS



SPIDER MOUNT (SPMX)

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

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