

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

FINISH

- 3-5 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:

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Cat #	Light Dist.	No. of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Value Series Square 2 (VSS-2)	Type 2 (T2)	80 (80L) 96 (96L)	1050 (1)	3000K (30K)	120-277 (UNV)	Spider Mount Over 21" Tenon (SPM2) Over 3" Tenon (SPM3)	Bronze (BRZ)	Bird Spikes (BS) Marine Grade Finish (MGF) Surge Protector (10K) Nema 7-Pin Receptacle (PE7)
	Type 3 (T3)			4000K (40K)	340-480 (HV)		White (WHT)	Photocell (PC) *Universal Voltage 120-277
	Type 4 (T4)			5000K (50K)			Silver (SVR)	Photocell + Receptacle (PCR) Motion Sensor (MS)
	Type 5 (T5)						Black (BLK)	FSP-211 with Motion Sensor (UNV Voltage) For 8' + Below (FSP-8) For 9' to 20' (FSP-20) For 21' to 40' (FSP-40) *Motion Sensor and FSP-211 are integral to the fixture
								Graphite (GPH)
							Grey (GRY)	Quick Mount Bracket (QMB) Retrofit Quick Mount Bracket (RQMB) Rotate Optic Right (ROR) Rotate Optic Left (ROL)
							Custom (CS)	Round Pole Adaptor 3"-4" Pole (RPA4) Round Pole Adaptor 5"-6" Pole (RPA5) House Side Shields (HSS) *HSS not applicable with N3 - NEMA 30° Optics Automotive House Side Shield (AHS) Acrylic Optics (AO)

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.
- **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.

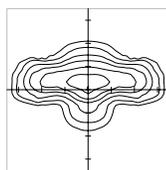
CONTROLS

- **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.

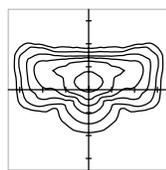
OPTICS

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.

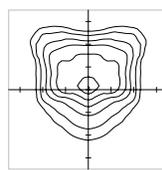
- IES Types



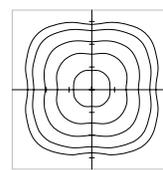
TYPE II (T2)



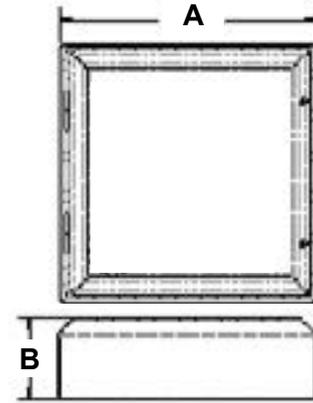
TYPE III (T3)



TYPE IV (T4)

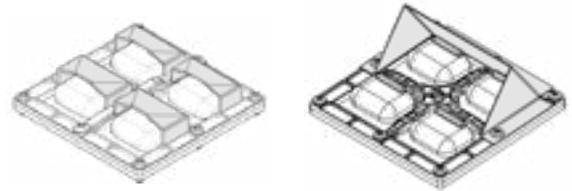


TYPE V (T5)

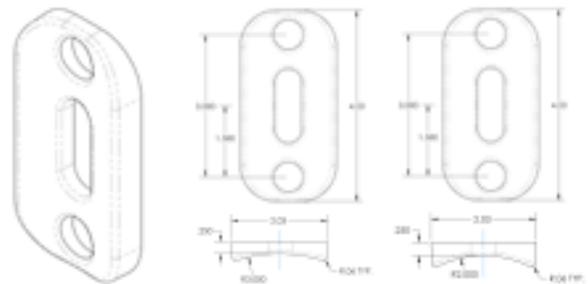


DIMENSION	VSS-2
A	21.5 in SQ
B	8 in.
Weight	34 lbs

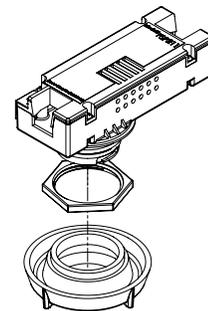
HOUSE SIDE SHIELD AUTOMOTIVE HOUSE SIDE SHIELD



RPA4 / RPA5

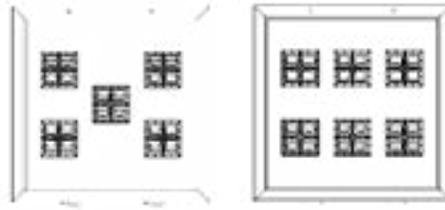


FSP-211



OPTICAL CONFIGURATIONS

Rotatable Optics (ROR) Rotated Right, (ROL) Rotated Left options available. Optics field and factory rotatable.



VSS-2 / 80L

VSS-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
VSS-2-80L-1-30K	27878	106	S	B3-U0-G3	15254	58	B1-U0-G3	27089	103	S	B3-U0-G3	18936	72	14991	57	B1-U0-G3	26826	102	S	B3-U0-G4	28404	108	P	B5-U0-G3				263
VSS-2-80L-1-40K	29456	112	S	B3-U0-G3	16306	62	B1-U0-G3	29193	111	S	B3-U0-G4	19988	76	16043	61	B1-U0-G3	28930	110	P	B3-U0-G4	30771	117	S	B5-U0-G4				263
VSS-2-80L-1-50K	31823	121	P	B3-U0-G4	17358	66	B1-U0-G3	31560	120	P	B3-U0-G4	21040	80	17095	65	B1-U0-G3	31034	118	P	B3-U0-G4	33138	126	P	B5-U0-G4				263
VSS-2-96L-1-30K	33496	106	S	B3-U0-G4	18328	58	B1-U0-G3	32548	103	S	B3-U0-G4	22752	72	18012	57	B1-U0-G3	32232	102	S	B3-U0-G4	34128	108	P	B5-U0-G4				316
VSS-2-96L-1-40K	35392	112	S	B3-U0-G4	19592	62	B1-U0-G3	35076	111	S	B4-U0-G4	24016	76	19276	61	B1-U0-G4	34760	110	P	B4-U0-G4	36972	117	S	B5-U0-G4				316
VSS-2-96L-1-50K	38236	121	P	B4-U0-G4	20856	66	B1-U0-G4	37920	120	P	B4-U0-G4	25280	80	20540	65	B1-U0-G4	37288	118	P	B4-U0-G4	39816	126	P	B5-U0-G4				316

*DLC S= Standard P= Premium

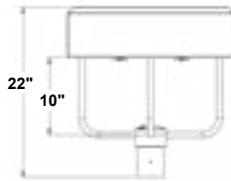
L70/L90 DATA

Temp.	VSS-2	
	L70	L90
25°C	483,000	>60,000
50°C	180,000	>60,000

EPA

EPA	SGL	D90	D180	T90	T120	QD
VSS-2	1.49	2.36	2.98	3.56	3.72	3.56

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)