

## FULL CUTOFF SITE LIGHTING

### FORM AND FUNCTION

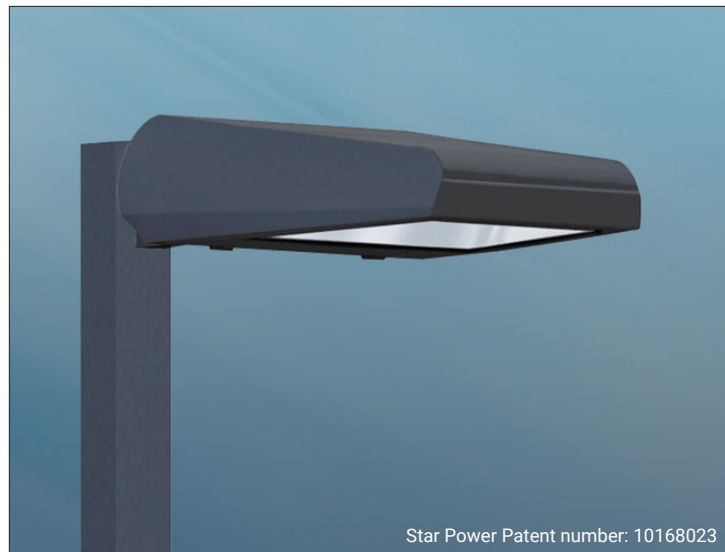
- Sleek, low profile housing
- Dark Sky Compliant, Full Cutoff
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs up to 65%
- Exceeds IES foot candle levels utilizing the least number of poles and fixtures per project
- Optical system designed for Parking Lots, Auto Dealerships, Municipalities, Tennis Courts, Field Lighting

### CONSTRUCTION

- Aluminum
- External cooling fins
- Corrosion resistant external hardware

### 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).



Star Power Patent number: 10168023



### STAR POWER™ OPTICAL SYSTEM

The Star Power™ reflector is an excellent system which provides great value and performance.

### LED WATTAGE CHART

				80L		96L		
1050 milliamps				263w		316w		
Project Name:						Type:		
Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
VUE-2 (VUE-2)	Type 2 (T2)	80 (80L)	700 (7)	Amber 585-600nm (AMBER) ⑥	120-277 (UNV)	Direct Pole 6" Arm Single, D180 (DPS6) ②	Bronze Textured (BRZ)	Bird Spikes (BS)
	Type 3 (T3)	96 (96L)	1050 (1)	2700K, 70 CRI (27K7)	347-480 (HV)	Direct Pole 12" Arm D90, T90, T120, Quad (DPS12) ②	White Textured (WHT)	Marine Grade Finish (MGF)
	Type 4 (T4)			2700K, 80 CRI (27K8) ①		Knuckle Mount (KM)	Smooth White Gloss (SWT)	Button Photocell (PC) ⑤
	Type 5 (T5)			3000K, 70 CRI (30K7)		Trunnion Mount (TM) ③	Silver (SVR)	Nema 7-Pin Receptacle (PE7)
	Tennis Optic (TT)			3000K, 80 CRI (30K8) ①		Tennis Arm Mount (TA)	Black Textured (BLK)	Photocell + Receptacle (PCR) ⑤
<div>Notes:</div> <div>① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.</div> <div>② For Round Pole Specify RPA4 or RPA5</div> <div>③ Standard finish is stainless steel. Can be painted to match fixture</div> <div>④ Includes 6" Bolt On Arm</div> <div>⑤ Universal Voltage 120-277</div> <div>⑥ 7-Pin Standard</div> <div>⑦ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)</div> <div>⑧ Turtle Safe</div> <div>⑨ Consult factory for all BAA/TAA/BABA requests</div>				3500K, 80 CRI (35K8) ①		Wall Mount (WM) ④	Smooth Black Gloss (SBK)	Receptacle + Shorting Cap (PER) ⑤
				4000K, 70 CRI (40K7)			Graphite Textured (GPH)	Integral FSP-211 Motion Sensor
				4000K, 80 CRI (40K8) ①			Grey Textured (GRY)	(FSP-8) ⑤ For 8' + Below
				5000K, 70 CRI (50K7)			Custom (CS)	(FSP-20) ⑤ For 9' to 20'
				5000K, 80 CRI (50K8) ①				(FSP-40) ⑤ For 21' to 40'
								Rotate Optic Right (ROR)
								Rotate Optic Left (ROL)
								House Side Shield (HSS)
								Front Side Shield (FSS)
								Quick Mount Bracket (QMB)
								Retrofit Quick Mount Bracket (RQMB)
								Round Pole Adaptor
								3"- 4" Pole (RPA4)
								5"- 6" Pole (RPA5)
								Buy American (BAA) ⑧
								Trade American (TAA) ⑧
								Build America Buy American (BABA) ⑧
								Custom Controls Integration (CCI) ⑦

#### Notes:

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- ③ Standard finish is stainless steel. Can be painted to match fixture
- ④ Includes 6" Bolt On Arm
- ⑤ Universal Voltage 120-277
- ⑥ 7-Pin Standard
- ⑦ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ⑧ Turtle Safe
- ⑨ Consult factory for all BAA/TAA/BABA requests

## 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  $-40^{\circ}\text{C}$  and Ambient Temp. Max ranges from  $50^{\circ}\text{C}$  to  $55^{\circ}\text{C}$  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  $105^{\circ}\text{C}$
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplied 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.
- **SHIELDS (HSS, FSS)**—Four-sided House Side Shield (HSS) is designed for full property line cut-off. Front-Side Shield (FSS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.

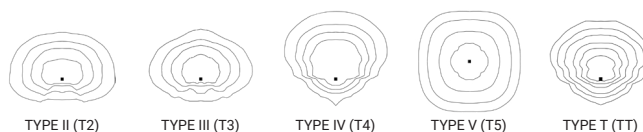
### CONTROLS

- **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-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

Recessed Star Power Optical System is 95% reflective material. Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations.

- 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

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0

### 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/wp-content/uploads/cs/NLS\\_BuyAmerica\(n\).pdf](https://nlsighting.com/wp-content/uploads/cs/NLS_BuyAmerica(n).pdf)



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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[nlsighting.com](https://nlsighting.com)

# PRODUCT SPECIFICATIONS

VUE - LUMEN DATA CHART

PART NUMBER	T2 OPTIC	Lm/W	T2-HSS OPTIC	Lm/W	T3 OPTIC	Lm/W	T3-HSS OPTIC	Lm/W	T4 OPTIC	Lm/W	T4-HSS OPTIC	Lm/W	T5 OPTIC	Lm/W	TT OPTIC	Lm/W	WATT
VUE-2-80L-1-30K7	28404	108	18410	70	26826	102	23670	90	25774	98	25090	95	26563	101	-	-	263
VUE-2-80L-1-40K7	28667	109	19462	74	27089	103	24722	94	26563	101	26221	99	26826	102	26826	102	263
VUE-2-80L-1-50K7	29193	111	20514	78	27352	104	26037	99	27089	103	27089	103	27089	103	27615	105	263
VUE-2-96L-1-30K7	34128	108	21943	70	32232	102	28440	90	30968	98	30241	95	31916	101	-	-	316
VUE-2-96L-1-40K7	34444	109	23385	74	32548	103	29705	94	31916	101	31474	99	32232	102	32232	102	316
VUE-2-96L-1-50K7	35076	111	24649	78	32864	104	31285	99	32548	103	32548	103	32548	103	33180	105	316

Lumen Multiplier for 700mA 0.73

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	131,000	94.9%	89.3%	86.7%	76.8%

\*Reported extrapolations per IESNA TM-21

\*\*Projected extrapolations per IESNA TM-21







# PRODUCT SPECIFICATIONS

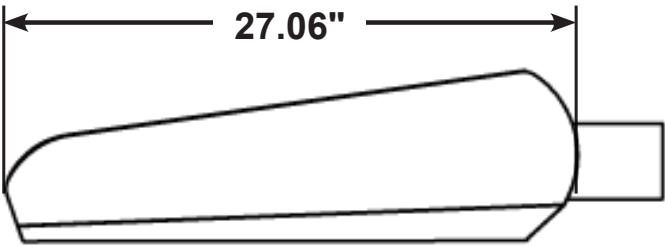
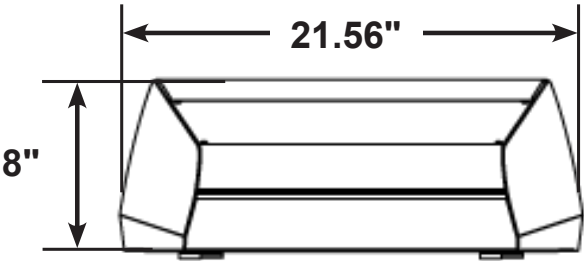
## VUE-2

Weight: 34 lbs

EPA	SGL	D90	D180	T90	T120	QD
VUE-2	1.51	3.02	2.79	4.21	4.34	4.21

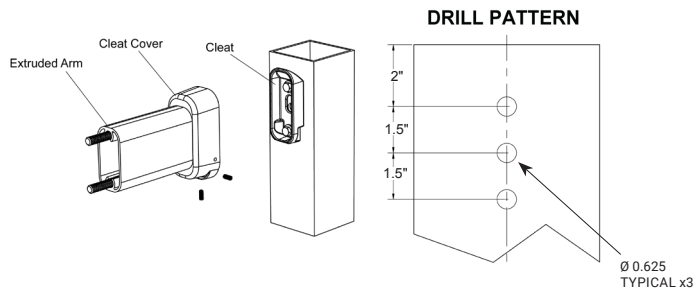
## DPX ARM LENGTH

	SGL	D90	D180	T90	T120	QD
						
VUE-2	6"	12"	6"	12"	12"	12"

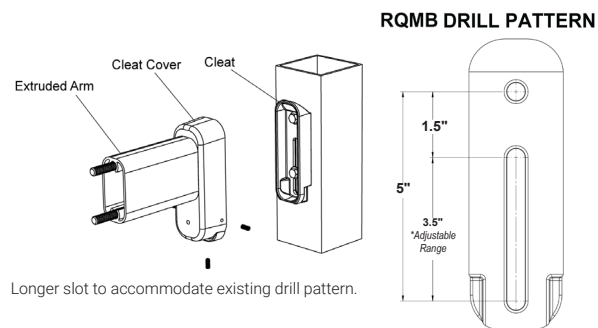


## PRODUCT SPECIFICATIONS

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/DP11)**



**RETROFIT QUICK MOUNT BRACKET (RQMB)**

## MOUNTING OPTIONS



**Direct Wall Mount**



**Wall Mount (Includes 6" Arm)**



**Trunnion Mount**



**Tennis Arm**

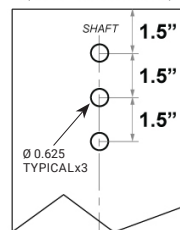


**Knuckle Mount**



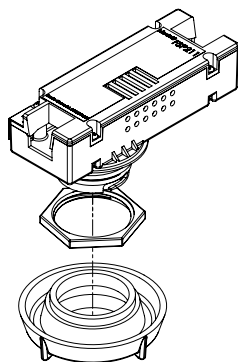
**Direct Pole Mount**

**2X4 DRILL PATTERN  
(VUE-1 and VUE-2)**

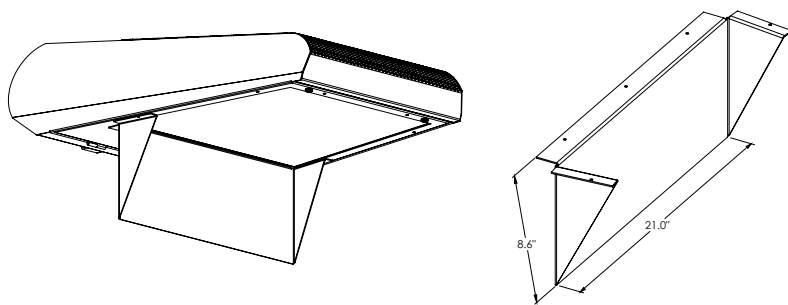


## PRODUCT SPECIFICATIONS

### FSP-211



### HOUSE SIDE SHIELD (HSS)



### FRONT SIDE SHIELD (FSS)

