



Star Power Patent number: 10168023

LED WATTAGE CHART

	80L	96L
1050 milliamps	263w	316w

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™
OPTICAL SYSTEM

STAR POWER™ OPTICAL SYSTEM

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

Project Name:

Type:

VUE-2 ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts
VUE-2 (VUE-2)	Type 2 (T2)	80 (80L)	700 (7)	Amber 586-600nM (AMBER) ①	120-277 (UNV)
	Type 3 (T3)	96 (96L)	1000 (10)	2700K, 70 CRI (27K7)	347-480 (HV)
	Type 4 (T4)		1050 (1) ⑩	2700K, 80 CRI (27K8) ①	
	Type 5 (T5)			3000K, 70 CRI (30K7)	
	Tennis Optic (TT)			3000K, 80 CRI (30K8) ①	
				3500K, 80 CRI (35K8) ①	
				4000K, 70 CRI (40K7)	
				4000K, 80 CRI (40K8) ①	
				5000K, 70 CRI (50K7)	
				5000K, 80 CRI (50K8) ①	

Mounting	Color	Controls Options	Options
Direct Pole 6" Arm Single D180 (DPS6) ②	Bronze Textured (BRZ)	Nema 7-Pin Receptacle (PE7)	Bird Spikes (BS)
Direct Pole 12" Arm D90, T90, T120, Quad (DPS12) ②	White Textured (WHT)	Photocell + Receptacle (PCR) ③	Marine Grade Finish (MGF)
Knuckle Mount (KM)	Smooth White Gloss (SWT)	Receptacle + Shorting Cap (PER) ③	Quick Mount Bracket (QMB)
Trunnion Mount (TM) ③	Silver Metallic (SVR)	FSP-211 with Motion Sensor 8' + Below Heights (FSP-8) ④	Retrofit Mount Bracket (RQMB)
Tennis Arm Mount (TA)	Black Textured (BLK)	9'-20' Heights (FSP-20) ④	Round Pole Adaptor 3"-4" Pole (RPA4)
Wall Mount (WM) ④	Smooth Black Gloss (SBK)	21'-40' Heights (FSP-40) ④	Round Pole Adaptor 5"-6" Pole (RPA5)
	Graphite Textured (GPH)	Custom Controls Integration (CCI) ⑦	Rotated Optic Left (ROL)
	Grey Textured (GRY)	Button Type Photocell (PC) ③	Rotated Optic Right (ROR)
	Green Textured (GRN)		Front Side Shield (FSS)
	Hunter Green Textured (HGN)		House Side Shield (HSS)
	Custom (CS)		Buy American (BAA) ⑤
			Trade American (TAA) ⑤
			Build America Buy American (BABA) ⑤

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ② For Round Pole Specify RPA4 or RPA5
- 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
- ⑩ Not available in 96L

NLS
LIGHTING

701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

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 is -40°C and Ambient Temp. Max ranges from 50°C to 55°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°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.

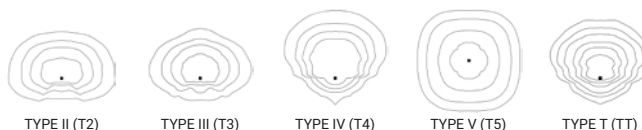
CONTROLS

- **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://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nslighting.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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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

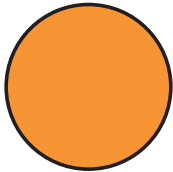
Lumen Maintenance Data

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%

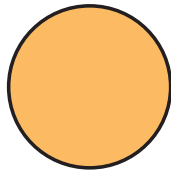
*Reported extrapolations per IESNA TM-21

**Projected extrapolations per IESNA TM-21

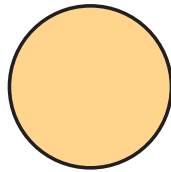
LED KELVIN RANGE



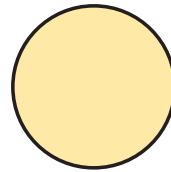
AMBER
585-600 nm



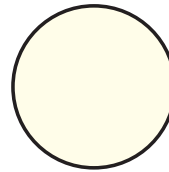
2700K 70 CRI



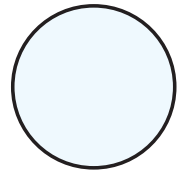
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

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

PRODUCT SPECIFICATIONS

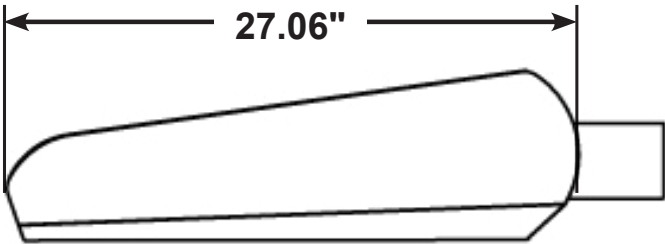
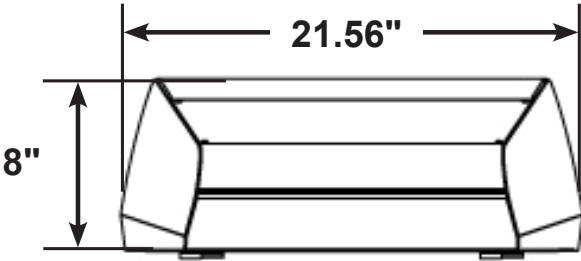
VUE-2

Weight: 40 lbs

EPA	SGL	D90	D180	T90	T120	QD
VUE-2	1.20	2.41	2.40	3.61	2.12	4.82

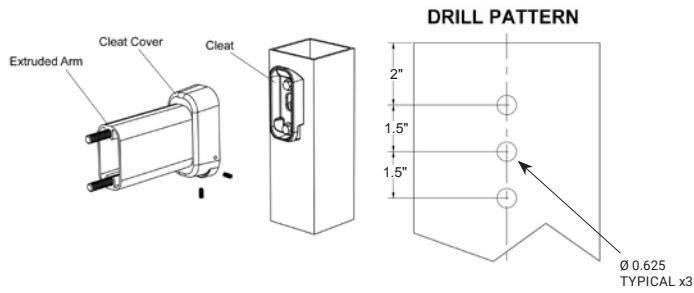
DPX ARM LENGTH

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

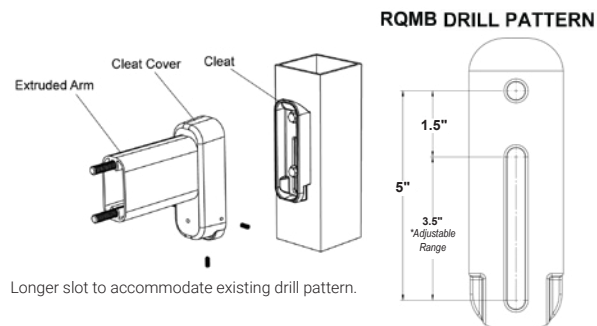


PRODUCT SPECIFICATIONS

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

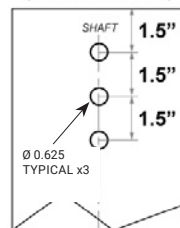


Knuckle Mount



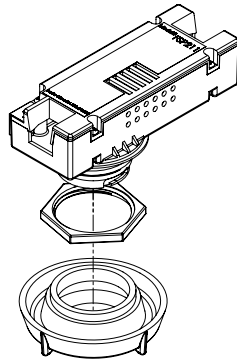
Direct Pole Mount

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

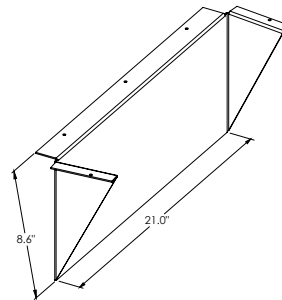
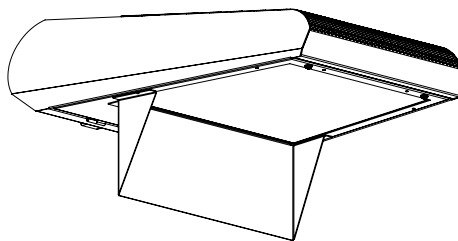


PRODUCT SPECIFICATIONS

FSP-211



HOUSE SIDE SHIELD (HSS)



FRONT SIDE SHIELD (FSS)

