

FULL CUTOFF SITE LIGHTING

FORM AND FUNCTION

- Sleek, low profile housing
- 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

FINISH

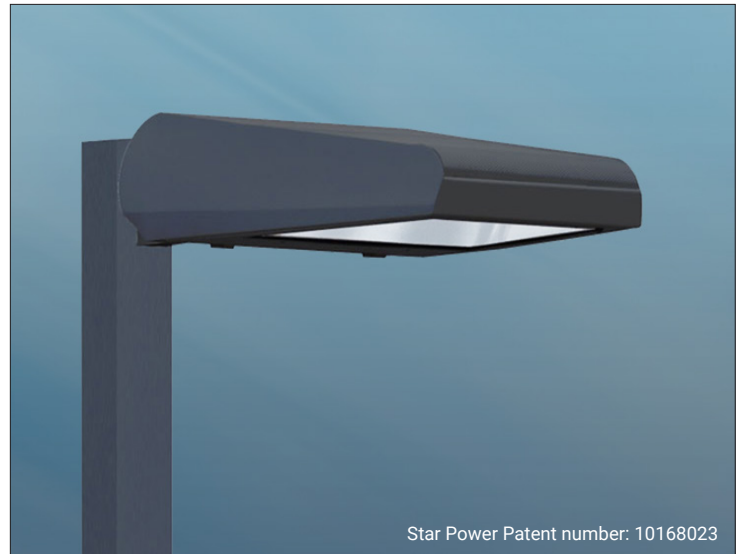
- 3-5 mils electrostatic powder coat.
- NLS' standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

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



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) | 2700K, 70 CRI (27K7) | 120-277 (UNV) | Direct Pole 6" Arm Single, D180 (DPS6) ^② | Bronze Textured (BRZ) | Bird Spikes (BS) Marine Grade Finish (MGF) Photocell (PC) ^⑤ |
| | Type 3 (T3) | 96 (96L) | 1050 (1) | 2700K, 80 CRI (27K8) ^① | 347-480 (HV) | Direct Pole 12" Arm D90, T90, T120, Quad (DPS12) ^② | White Textured (WHT) | Nema 7-Pin Receptacle (PE7) Photocell + Receptacle (PCR) ^⑤ Receptacle + Shorting Cap (PER) ^⑤ |
| | Type 4 (T4) | | | 3000K, 70 CRI (30K7) | | Knuckle Mount (KM) | Smooth White Gloss (SWT) | Integral FSP-211 Motion Sensor (FSP-8) ^⑤ For 8' + Below (FSP-20) ^⑤ For 9' to 20' (FSP-40) ^⑤ For 21' to 40' |
| | Type 5 (T5) | | | 3000K, 80 CRI (30K8) ^① | | Trunnion Mount (TM) ^⑤ | Silver (SVR) | Rotate Optic Right (ROR) Rotate Optic Left (ROL) |
| | Tennis Optic (TT) | | | 3500K, 80 CRI (35K8) ^① | | Tennis Arm (TA) | Black Textured (BLK) | House Side Shield (HSS) Front Side Shield (FSS) |
| | | | | 4000K, 70 CRI (40K7) | | Wall Mount (WM) ^⑤ | Smooth Black Gloss (SBK) | Quick Mount Bracket (QMB) Retrofit Quick Mount Bracket (RQMB) Round Pole Adaptor 3"- 4" Pole (RPA4) 5"- 6" Pole (RPA5) |
| | | | 4000K, 80 CRI (40K8) ^① | | | Graphite Textured (GPH) | | |
| | | | 5000K, 70 CRI (50K7) | | | Grey Textured (GRY) | | |
| | | | 5000K, 80 CRI (50K8) ^① | | | Custom (CS) | | |

Notes:

- Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- For Round Pole Specify RPA4 or RPA5
- Standard finish is stainless steel. Can be painted to match fixture
- Includes 6" Bolt On Arm
- Universal Voltage 120-277
- 7-Pin Standard

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: 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.

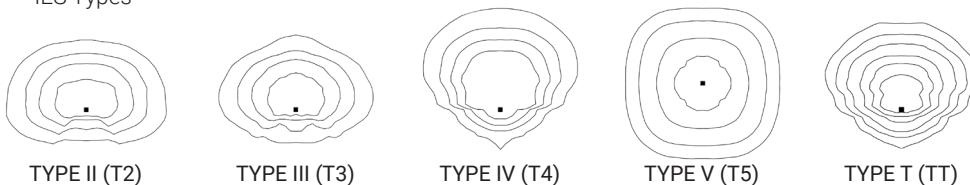
CONTROLS

- **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, reprogrammable 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.

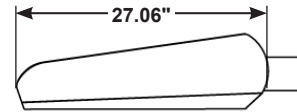
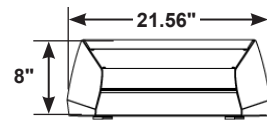
OPTICS

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



VUE-2
Weight: 34 lbs

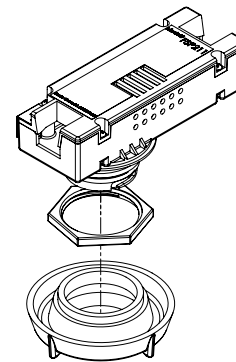


| EPA | SGL | D90 | D180 | T90 | T120 | QD |
|-------|------|------|------|------|------|------|
| VUE-2 | 1.51 | 3.02 | 2.79 | 4.21 | 4.34 | 4.21 |

DPX ARM LENGTH

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

FSP-211



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.

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

MOUNTING OPTIONS



Direct Wall Mount



Wall Mount (Includes 6" Arm)



Trunnion Mount



Tennis Arm

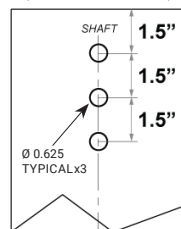


Knuckle Mount

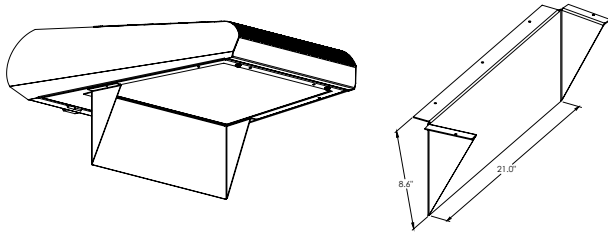


Direct Pole Mount

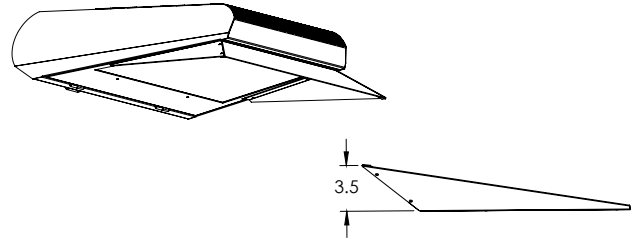
**2X4 DRILL PATTERN
(VUE-1 and VUE-2)**



OPTIONAL

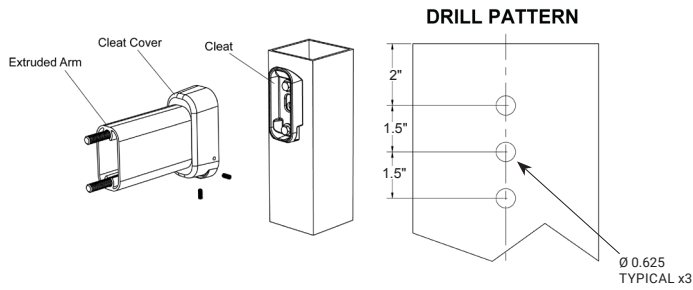


HOUSE SIDE SHIELD (HSS)

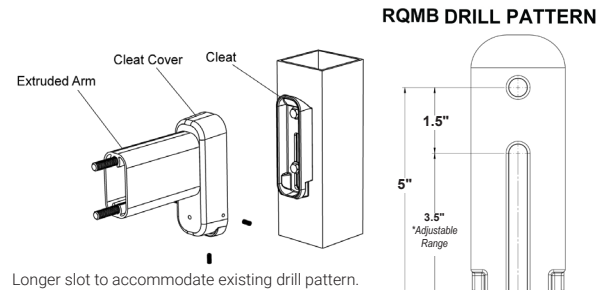


FRONT SIDE SHIELD (FSS)

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)**



Longer slot to accommodate existing drill pattern.

RETROFIT QUICK MOUNT BRACKET (RQMB)