



Star Power Patent number: 10168023

FORM AND FUNCTION

- Sleek, low profile housing
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs
- Optical system designed for Parking Lots, Auto Dealerships, Municipalities, Tennis Courts, Field Lighting

PRODUCT FEATURES

- Traditionally designed to blend with area lighting setting.
- VUE can adapt to any existing fixture arm, cross arm, or pole.
- VUE is completely designed, tooled, extruded, cast, fabricated, Powder coated, and assembled in the USA achieving the strictest Made in the USA requirements

- VUE optical system is patented and internally adjustable
- VUE LED light source is concealed and hidden from sight from neighbors and the environment
- NLS also manufactures complimentary poles and arms with the same exact paint finish and texture
- 20 KV Surge protection comes standard in every fixture
- Low Iron Tempered Safety Glass Lens Standard
- VUE depreciation rate is 3-4 times slower than most import fixtures
- The VUE does not utilize plastic acrylic or polycarbonate lenses which yellow, crack, or leak.
- Experienced In House photometric design available at no charge.



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-3 ORDERING GUIDE

| Cat# | Light Dist. | Watts/Lumens | Kelvin | Volts | Mounting |
|--------------------------------|---|---|--|-------------------------------------|--|
| VUE-3 (VUE-3) | Type 4 (T4) | 397 Watts (40) 464 Watts (46) 522 Watts (52) 580 Watts (58) 609 Watts (60) | 4000K, 70 CRI (40K7) 5000K, 70 CRI (50K7) | 120-277 (UNV) 347-480 (HV) | Direct Pole 6" Arm Single D180 (DPS6) ❶ Direct Pole 16" Arm D90, T90, T120, Quad (DPS16) ❶ Knuckle Mount (KM) ❷ Trunnion Mount (TM) ❷ ❸ Tennis Arm Mount (TA) Mast Arm (MA) |
| Color | Controls Options | Options | | | |
| Bronze Textured (BRZ) | Photocell + Receptacle (PCR) ❶ | Bird Spikes (BS) | | | |
| White Textured (WHT) | Receptacle + Shorting Cap (PER) ❶ | Marine Grade Finish (MGF) | | | |
| Smooth White Gloss (SWT) | FSP-211 with Motion Sensor 9'-20' Heights (FSP-20) ❷ 21'-40' Heights (FSP-40) ❷ | Round Pole Adaptor 3'-4" Pole (RPA4) | | | |
| Silver Metallic (SVR) | | Round Pole Adaptor 5'-6" Pole (RPA5) | | | |
| Black Textured (BLK) | Button Type Photocell (PC) ❶ | Front Side Shield (FSS) | | | |
| Smooth Black Gloss (SBK) | | House Side Shield (HSS) | | | |
| Graphite Textured (GPH) | | | | | |
| Grey Textured (GRY) | | | | | |
| Green Textured (GRN) | | | | | |
| Hunter Green Textured (HGN) | | | | | |
| Custom (CS) | | | | | |

Notes:

- ❶ For Round Pole Specify RPA4 or RPA5
- ❷ Standard finish is stainless steel. Can be painted to match fixture.
- ❸ Universal Voltage 120-277
- ❹ 7-Pin Standard
- ❺ Max Tilt 20°



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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 wiring UL certified for 600 VAC and 105°C
- CRI 70
- Color temperatures: 4000K, 5000K
- Surge Protection: 20KA supplied as standard.

CONSTRUCTION

- Formed Aluminum Housing
- External cooling fins
- Low Iron Lens - 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.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **SHIELDS (HSS, FSS)** 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 and front of luminaire.
- **ROUND POLE PLATE ADAPTER 3"-4" (RPA4) 5"-6" (RPA5)**

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.
- **PHOTOCELL**
- **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.
- **PHOTOCELL + RECEPTACLE**
- **RECEPTACLE + SHORTING CAP**

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



TYPE IV (T4)

FINISH

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

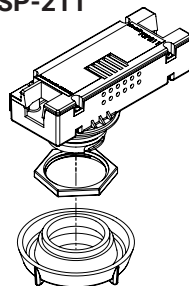
WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

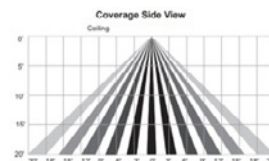
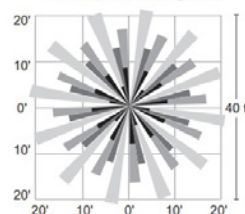
- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0

FSP-211



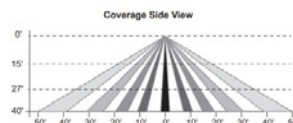
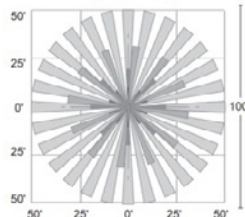
FSP-20

Coverage Top View @ 20 ft.



FSP-40

Coverage Top View @ 40ft



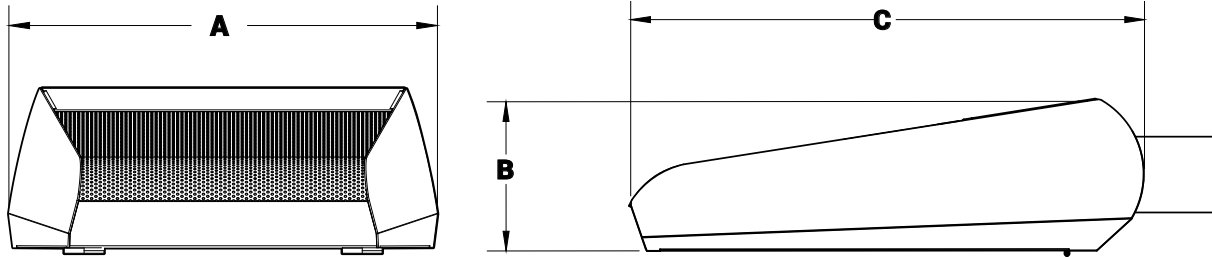
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

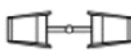



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PRODUCT SPECIFICATIONS









| DIMENSION | VUE-3 |
|-----------|----------|
| A | 26.17 in |
| B | 8.36 in |
| C | 32.94 in |

VUE-3
Weight: 55 lbs

| |  |  |  |  |  |  |
|------------------|---|---|---|--|---|---|
| SIDE | SGL | D90 | D180 | T90 | T120 | QD |
| VUE-3 | 1.52 | 3.01 | 3.04 | 4.53 | 2.71 | 6.02 |
| DPS6 | 0.18 | | 0.37 | | | |
| DPS16 | 0.49 | 0.49 | 0.98 | 0.98 | 0.94 | 0.00 |
| Total EPA (ft^2) | 1.52 / 2.19 | 3.50 | 3.04 / 4.39 | 5.51 | 3.65 | 6.02 |

DPX ARM LENGTH

| |  |  |  |  |  |  |
|-------|---|---|---|---|---|---|
| VUE-3 | 6"/16" | 16" | 6"/16" | 16" | 16" | 16" |

VUE - LUMEN DATA CHART

| PART NUMBER | T4 OPTIC | Lm/W | B.U.G. | T4-HSS OPTIC | Lm/W | B.U.G. | T4-FSS OPTIC | Lm/W | B.U.G. | WATT |
|---------------|----------|------|----------|--------------|------|----------|--------------|------|----------|------|
| VUE-3-40-40K7 | 45,690 | 115 | B4-U0-G3 | 44053 | 111 | B3-U0-G3 | 44043 | 111 | B4-U0-G3 | 397 |
| VUE-3-40-50K7 | 45,690 | 115 | B4-U0-G3 | 44053 | 111 | B3-U0-G3 | 44043 | 111 | B4-U0-G3 | 397 |
| VUE-3-46-40K7 | 53,360 | 115 | B4-U0-G4 | 51449 | 111 | B3-U0-G4 | 51438 | 111 | B4-U0-G3 | 464 |
| VUE-3-46-50K7 | 53,360 | 115 | B4-U0-G4 | 51449 | 111 | B3-U0-G4 | 51438 | 111 | B4-U0-G3 | 464 |
| VUE-3-52-40K7 | 60,030 | 115 | B4-U0-G4 | 57880 | 111 | B3-U0-G4 | 57867 | 111 | B4-U0-G3 | 522 |
| VUE-3-52-50K7 | 60,030 | 115 | B4-U0-G4 | 57880 | 111 | B3-U0-G4 | 57867 | 111 | B4-U0-G3 | 522 |
| VUE-3-58-40K7 | 66,700 | 115 | B4-U0-G4 | 64311 | 111 | B3-U0-G4 | 64297 | 111 | B4-U0-G4 | 580 |
| VUE-3-58-50K7 | 66,700 | 115 | B4-U0-G4 | 64311 | 111 | B3-U0-G4 | 64297 | 111 | B4-U0-G4 | 580 |
| VUE-3-60-40K7 | 70,035 | 115 | B4-U0-G4 | 67527 | 111 | B3-U0-G4 | 67512 | 111 | B4-U0-G4 | 609 |
| VUE-3-60-50K7 | 70,035 | 115 | B4-U0-G4 | 67527 | 111 | B3-U0-G4 | 67512 | 111 | B4-U0-G4 | 609 |

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 | 43,000 | 117,000 | 93.9% | 87.8% | 84.9% | 74.2% |

*Reported extrapolations per IESNA TM-21

**Projected extrapolations per IESNA TM-21

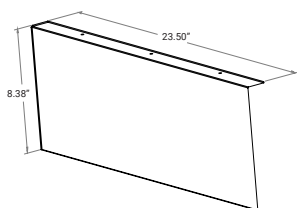
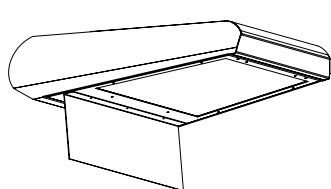


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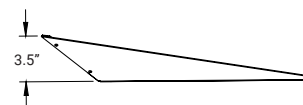
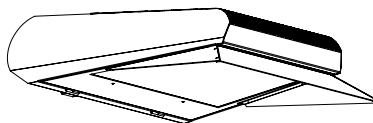
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PRODUCT SPECIFICATIONS

OPTIONAL

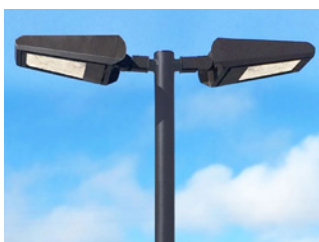


HOUSE SIDE SHIELD (HSS)



FRONT SIDE SHIELD (FSS)

MOUNTING OPTIONS



Knuckle Mount



Tennis Arm



Trunnion Mount



Direct Pole Mount

2X6 DRILL PATTERN
(VUE-3 & VUE-4)

