

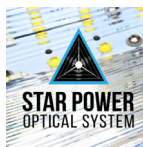
The Sentry is an outdoor vandal proof luminaire that is made out of cast aluminum grade. It is designed with vertical fins and painted with high quality powder coat (3mm), built to resist all outdoor conditions.

With its superior durability and high performance, the Sentry is a perfect solution for all lighting applications while specializing in vandal resistance. Perfect for recreational parks, shopping malls, parking lots, libraries, school sites, walkways and much more.

Kelvin temperature offerings include Amber, 2700K, 3000K, 3500K, 4000K and 5000K with a wattage range of 21 to 36 watts.

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

The Star Power™ reflector is an excellent system which provides great value and performance. Star Power Patent number: 10168023

LED WATTAGE CHART

	16L
400 milliamps	21w
530 milliamps	28w
700 milliamps	36w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Sentry 1 (SY-1)	Type 3 (T3)	16 (16L)	400 (40)	Amber 585-600nm (AMBER) ❶	120-277 (UNV)	Post Top Over 3" OD (T3R)	Bronze Textured (BRZ)	Bird Spikes (BS)
	Type 5 (T5)		530 (53)	2700K, 70 CRI (27K7)	347-480 (HV)		White Textured (WHT)	Marine Grade Finish (MGF)
			700 (7)	2700K, 80 CRI (27K8) ❶			Smooth White Gloss (SWT)	FSP-211 with Motion Sensor (FSP-8) ❷ 8' and Below (FSP-20) ❷ 9'-20" Heights (FSP-40) ❷ 21'-40" Heights
				3000K, 70 CRI (30K7)			Silver (SVR)	
				3000K, 80 CRI (30K8) ❶			Black Textured (BLK)	House Side Shield (HSS)
				3500K, 80 CRI (35K8) ❶			Smooth Black Gloss (SBK)	Buy American (BAA) ❺
				4000K, 70 CRI (40K7)			Graphite Textured (GPH)	Trade American (TAA) ❺
				4000K, 80 CRI (40K8) ❶			Grey Textured (GRY)	Build America Buy American (BABA) ❺
				5000K, 70 CRI (50K7)			Custom (CS)	Custom Controls Integration (CCI) ❸
				5000K, 80 CRI (50K8) ❶				
<div>Notes:</div> <div>❶ Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.</div> <div>❷ Universal Voltage 120-277</div> <div>❸ 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>❹ Turtle Safe</div> <div>❺ Consult factory for all BAA/TAA/BABA requests</div>								

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
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplied as standard.

CONSTRUCTION

- Cast Aluminum. Tempered Glass Lens.

OPTIONS

- 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.

Bird Spikes (BS)

House Side Shield (HSS) is designed for full property line cut-off.

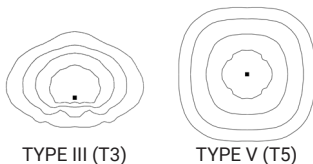
CONTROL OPTIONS

- 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.
- 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

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

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, or typical or prorated values when measured under internal and external laboratory conditions.



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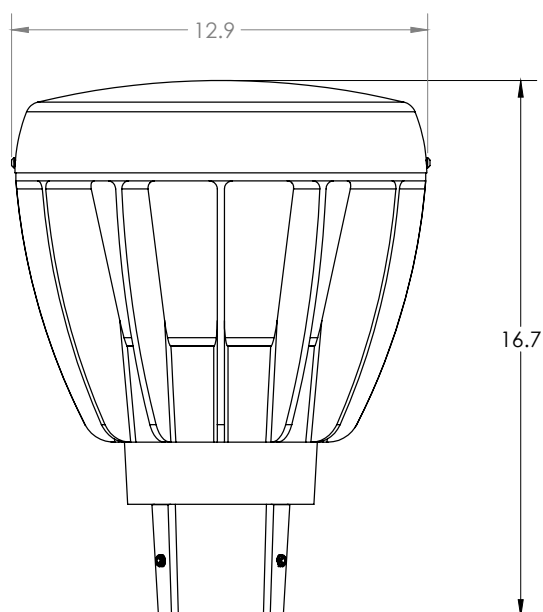
PRODUCT SPECIFICATIONS

SENTRY - LUMEN DATA CHART

PART NUMBER	T3 LUMENS	T3 LM/W	T5 LUMENS	T5 LM/W	Watts
SY-1-16L-40-27K7	1691	81	1779	85	21
SY-1-16L-40-27K8	1583	75	1666	79	21
SY-1-16L-40-30K8	1697	81	1786	85	21
SY-1-16L-40-30K7	1828	87	1923	92	21
SY-1-16L-40-35K8	1697	81	1786	85	21
SY-1-16L-40-40K8	1828	87	1923	92	21
SY-1-16L-40-40K7	1975	94	2078	99	21
SY-1-16L-40-50K8	1828	87	1923	92	21
SY-1-16L-40-50K7	1975	94	2078	99	21
SY-1-16L-53-30K7	2492	89	2632	94	28
SY-1-16L-53-40K7	2576	92	2716	97	28
SY-1-16L-53-50K7	2688	96	2828	101	28
SY-1-16L-7-30K7	3204	89	3384	94	36
SY-1-16L-7-40K7	3312	92	3492	97	36
SY-1-16L-7-50K7	3456	96	3636	101	36

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%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			



EPA

LUMINAIRE	SINGLE
SENTRY I	.7