NV-2-ASA

AREA LIGHTING

FORM AND FUNCTION

- Sleek, low profile housing
- Spec grade performance
- 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
  - General Area Lighting

CONSTRUCTION

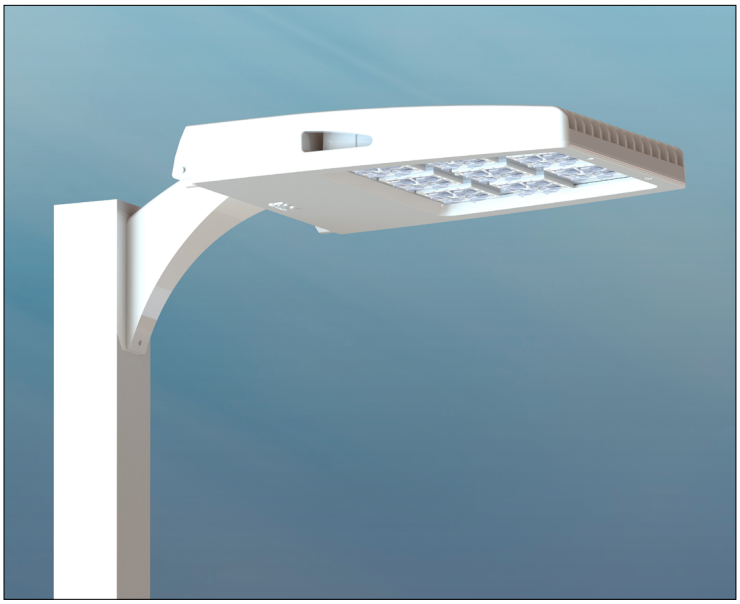
- Die Cast Aluminum
- External cooling fins, Finite Element Analysis (FEA) designed
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB
- Grade 2 Clear Anodized Optics Plate™ standard

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
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65/ IP67 Rated
- 3G Vibration Rated per ANSI C136.31-2010

LED WATTAGE CHART

	80L	96L	112L	128L
700 milliamps	168w	200w	243w	265w
1050 milliamps	263w	316w	366w	409w

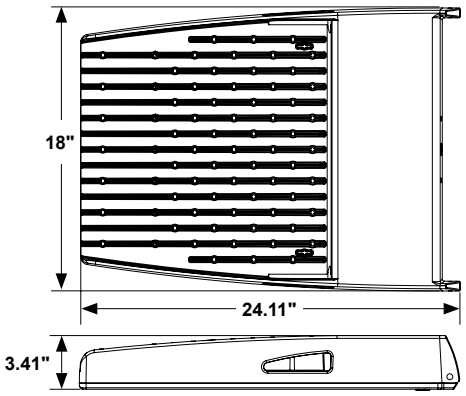
Project Name:

Type:

Cat #	Light Dist.	No. of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
NV Size 2 **(NV-2)**	Type 2 **(T2)** Type 3 **(T3)** Type 4 **(T4)** Type 5 **(T5)** Nema 3 30° Narrow Beam **(N3)**	80 **(80L)** 96 **(96L)** 112 **(112L)** 128 **(128L)**	700 **(7)** 1050 **(1)**	3000K **(30K)** 4000K **(40K)** 5000K **(50K)**	120-277 **(UNV)** 347-480 **(HV)**	**Architectural** Sweep Arm **(ASA)**	Bronze **(BRZ)** White **(WHT)** Silver **(SVR)** Black **(BLK)** Graphite **(GPH)** Grey **(GRY)** Custom **(CS)**	Bird Deterrant **(BD)** Marine Grade Finish **(MGF)** Optic Plate Painted to Match Fixture **(OPP)** Nema 7-Pin Receptacle **(PE7)** Photocell + Receptacle **(PCR)** Receptacle + Shorting Cap **(PER)** FSP-211 with Motion Sensor (UNV Voltage) **(FSP-20)** **9'-20" Heights* **(FSP-40)** **21'-40' Heights* Surge Protector **(10K)** Round Pole Adaptor 3"- 4" Pole **(RPA4)** Round Pole Adaptor 5"- 6" Pole **(RPA5)** Rotated Optic Left **(ROL)** Rotated Optic Right **(ROR)** Automotive House Side Shield **(AHS)** House Side Shield **(HSS)** **HSS not applicable with N2 - NEMA 24° Optics* **HSS not applicable with N3 - NEMA 30° Optics*

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver by Philips Advance
- Driver power factor at maximum load is ≥ .95, THD maximum load is 15%
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- Lumileds Luxeon MX LED's
- CRI >70
- Color temperatures: 3000K, 4000K, 5000K

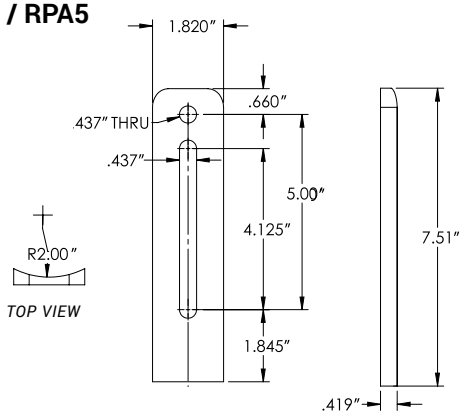


Weight: 42 lbs

OPTIONS

- **BIRD DETERRANT (BD)**—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, AHS)**—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- **ROUND POLE ADAPTER (RPA)–** When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

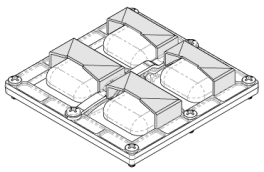
RPA4 / RPA5



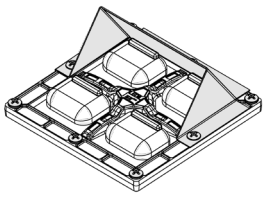
CONTROLS

- **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, reprogrammable in the field.
- **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.

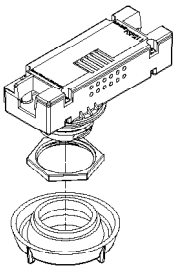
HOUSE SIDE SHIELD



AUTOMOTIVE HOUSE SIDE SHIELD



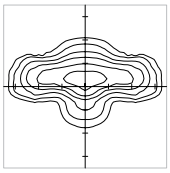
FSP-211

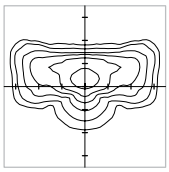


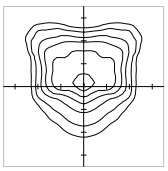
OPTICS

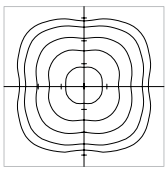
Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

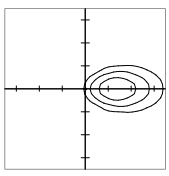
- IES Types


TYPE II (T2)


TYPE III (T3)


TYPE IV (T4)


TYPE V (T5)


NEMA 3 (N3)

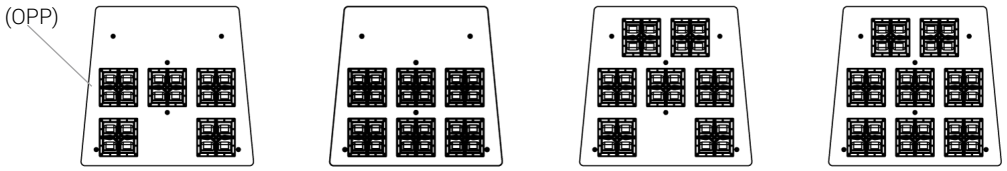
NLS LIGHTING

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

nlslighting.com

OPTICAL CONFIGURATIONS

Rotatable Optics (ROR) Rotated Right, (ROL) Rotated Left options available. Optics field and factory rotatable.



NV-2 / 80L **NV-2 / 96L** **NV-2 / 112L** **NV-2 / 128L**

*** OPTIC PLATE PAINTED TO MATCH FIXTURE FINISH (OPP)**– Optic Plate standard clear anodized, Grade 2. When (OPP) specified, Optic Plate finish will match fixture finish.

LUMENS

PART NUMBER	N3	LM/W	T2	LM/W	DLC	BUG	T3 HSS	LM/W	BUG	T3	LM/W	DLC	BUG	T4 HSS	LM/W	BUG	T4	LM/W	DLC	BUG	T5	LM/W	DLC	BUG	W
NV-2-80L-7-30K	19152	114	19744	116	S	B3-U0-G3	9744	58	B1-U0-G2	19218	113	S	B3-U0-G3	9576	57	B1-U0-G2	18992	112	S	B3-U0-G3	19713	117	P	B5-U0-G3	168
NV-2-80L-7-40K	19824	118	21000	125	P	B3-U0-G3	10416	62	B1-U0-G2	20328	121	P	B3-U0-G3	10248	61	B1-U0-G2	20160	120	P	B3-U0-G3	21168	126	P	B5-U0-G3	168
NV-2-80L-7-50K	21840	130	21672	129	P	B3-U0-G3	11088	66	B1-U0-G2	21168	126	P	B3-U0-G3	10920	65	B1-U0-G2	21000	125	P	B3-U0-G3	21840	130	P	B5-U0-G3	168
NV-2-80L-1-30K	29982	114	28141	107	S	B3-U0-G3	15254	58	B1-U0-G3	27352	104	S	B3-U0-G4	14991	57	B1-U0-G3	27089	103	S	B3-U0-G4	28404	108	S	B5-U0-G3	263
NV-2-80L-1-40K	31034	118	30245	115	S	B3-U0-G3	16306	62	B1-U0-G3	29456	112	S	B3-U0-G4	16043	61	B1-U0-G3	29193	111	S	B3-U0-G4	30508	116	S	B5-U0-G3	263
NV-2-80L-1-50K	34190	130	31297	119	P	B3-U0-G4	17358	66	B1-U0-G3	30508	116	S	B3-U0-G4	17095	65	B1-U0-G3	31034	118	P	B3-U0-G4	31560	120	P	B5-U0-G4	263
NV-2-96L-7-30K	22800	114	23200	116	S	B3-U0-G3	11600	58	B1-U0-G2	22600	113	S	B3-U0-G3	11400	57	B1-U0-G2	22400	112	S	B3-U0-G3	23400	117	S	B5-U0-G3	200
NV-2-96L-7-40K	23600	118	25000	125	P	B3-U0-G3	12400	62	B1-U0-G2	24200	121	P	B3-U0-G3	12200	61	B1-U0-G2	24000	120	P	B3-U0-G3	25200	126	P	B5-U0-G3	200
NV-2-96L-7-50K	26000	130	25800	129	P	B3-U0-G3	13200	66	B1-U0-G2	25200	126	P	B3-U0-G3	13000	65	B1-U0-G3	25000	125	P	B3-U0-G4	26000	130	P	B5-U0-G3	200
NV-2-96L-1-30K	36024	114	33812	107	S	B3-U0-G4	18328	58	B1-U0-G3	32864	104	S	B4-U0-G4	18012	57	B1-U0-G3	32548	103	S	B3-U0-G4	34128	108	S	B5-U0-G4	316
NV-2-96L-1-40K	37288	118	36340	115	S	B3-U0-G4	19592	62	B1-U0-G3	35392	112	S	B4-U0-G4	19276	61	B1-U0-G4	35076	111	S	B3-U0-G4	36656	116	S	B5-U0-G4	316
NV-2-96L-1-50K	41080	130	37604	119	P	B3-U0-G4	20856	66	B1-U0-G4	36656	116	S	B4-U0-G4	20540	65	B1-U0-G4	37288	118	P	B3-U0-G4	37920	120	P	B5-U0-G4	316
NV-2-112L-7-30K	27702	114	28188	116	S	B3-U0-G3	14094	58	B1-U0-G3	27459	113	S	B3-U0-G4	13851	57	B1-U0-G3	27216	112	S	B3-U0-G4	28431	117	P	B5-U0-G3	243
NV-2-112L-7-40K	28674	118	30375	125	P	B3-U0-G3	15066	62	B1-U0-G3	29403	121	P	B3-U0-G4	14823	61	B1-U0-G3	29160	120	P	B3-U0-G4	30618	126	P	B5-U0-G3	243
NV-2-112L-7-50K	31590	130	31347	129	P	B3-U0-G4	16038	66	B1-U0-G3	30618	126	P	B3-U0-G4	15795	65	B1-U0-G3	30375	125	P	B3-U0-G4	31590	130	P	B5-U0-G4	243
NV-2-112L-1-30K	41724	114	39162	107	S	B4-U0-G4	21228	58	B1-U0-G4	38064	104	S	B4-U0-G4	20862	57	B1-U0-G4	37698	103	S	B4-U0-G5	39528	108	S	B5-U0-G4	366
NV-2-112L-1-40K	43188	118	42090	115	S	B4-U0-G4	22692	62	B1-U0-G4	40992	112	S	B4-U0-G4	22326	61	B1-U0-G4	40626	111	S	B4-U0-G5	42456	116	S	B5-U0-G4	366
NV-2-112L-1-50K	47580	130	43554	119	P	B4-U0-G4	24156	66	B1-U0-G4	42456	116	S	B4-U0-G4	23790	65	B1-U0-G4	43188	118	P	B4-U0-G5	43920	120	P	B5-U0-G4	366
NV-2-128L-7-30K	30210	114	30740	116	S	B3-U0-G3	15370	58	B1-U0-G3	29945	113	S	B3-U0-G4	15105	57	B1-U0-G3	29680	112	S	B3-U0-G4	31005	117	P	B5-U0-G4	265
NV-2-128L-7-40K	31270	118	33125	125	P	B3-U0-G3	16430	62	B1-U0-G3	32065	121	P	B3-U0-G4	16165	61	B1-U0-G3	31800	120	P	B3-U0-G4	33390	126	P	B5-U0-G4	265
NV-2-128L-7-50K	34450	130	34185	129	P	B3-U0-G4	17490	66	B1-U0-G3	33390	126	P	B4-U0-G4	17225	65	B1-U0-G3	33125	125	P	B3-U0-G4	34450	130	P	B5-U0-G4	265
NV-2-128L-1-30K	46626	114	43763	107	S	B4-U0-G4	23722	58	B1-U0-G4	42536	104	S	B4-U0-G4	23313	57	B1-U0-G4	42127	103	S	B4-U0-G5	44172	108	S	B5-U0-G4	409
NV-2-128L-1-40K	48262	118	47035	115	S	B4-U0-G4	25358	62	B1-U0-G4	45808	112	S	B4-U0-G4	24949	61	B1-U0-G4	45399	111	S	B4-U0-G5	47444	116	S	B5-U0-G4	409
NV-2-128L-1-50K	53170	130	48671	119	P	B4-U0-G4	26994	66	B1-U0-G4	47445	116	S	B4-U0-G5	26585	65	B1-U0-G4	48262	118	P	B4-U0-G5	49080	120	P	B5-U0-G5	409

***DLC** *S= Standard* *P= Premium*

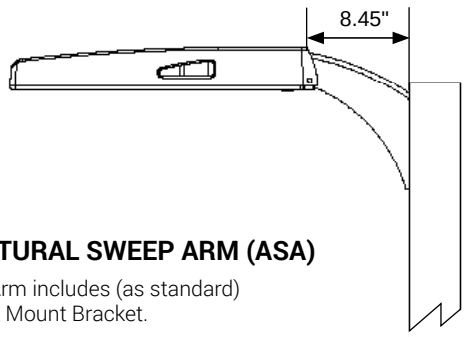
EPA

EPA	SGL	D90	D180	T90	T120	QD
NV-2-SA	0.98	1.96	1.75	2.66	2.62	2.66

L70/L90 DATA

TEMP.	NV-2	
	L70 (128L-1050mA)	L90 (128L-1050mA)
25°C	483,000	160,000

MOUNTING OPTIONS



ARCHITECTURAL SWEEP ARM (ASA)

Cast Sweep Arm includes (as standard)
Internal Quick Mount Bracket.