



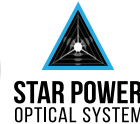
* Arm Mount

LED WATTAGE CHART

	80L
350 milliamps	85w
530 milliamps	128w
700 milliamps	168w
1050 milliamps	263w

The beautiful and simple California Series LED Pedestrian Luminaires depict not only the California lifestyle, but the architecture of California as well. This ornamental piece is a delightful sight to see and a great model to illuminate any urban, rural, retail, or park, or campus setting.

The different caps and shades depict different California styles and a touch of California's historic Spanish mission era. The California Series is the perfect selection to combine both design and efficiency in light performance. Designed, tooled, manufactured and assembled in the USA.



STAR POWER™ OPTICAL SYSTEM

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

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).

Project Name:

Type:

CAL-2 ORDERING GUIDE

Cat#	Top	Shade	Light Dist.	No. of LEDs	Milliamps
California 30" Diameter (CAL-2)	Top 1 (TP1)	Shade 1 (S1)	Type 2 (T2)	80 (80L)	350 (35)
	Top 2 (TP2)	Shade 6 (S6)	Type 3 (T3)		530 (53)
	Top 3 (TP3)		Type 4 (T4)		700 (7)
			Type 5 (T5)		1050 (1)
Kelvin	Volts	Mounting	Color	Controls	Options
Amber 585-600nm (AMBER) ^{①⑤}	120-277 (UNV)	Arm Mount (AM) ^②	Bronze Textured (BRZ)	Button Photocell (PC) ^③	House Side Shield (HSS)
2700K, 70 CRI (27K7) ^⑤	347-480 (HV)	Wall Mount (WM) ^④	White Textured (WHT)	Nema 7-Pin Receptacle (PE7) ^①	Bird Spikes (BS)
2700K, 80 CRI (27K8) ^{①⑤}		Architectural Arm Wall Mount (AAWM) ^⑥	Smooth White Gloss (SWT)	Photocell + Receptacle (PCR) ^①	Marine Grade Finish (MGF)
3000K, 70 CRI (30K7) ^⑤			Silver (SVR)	Receptacle + Shorting Cap (PER) ^①	Buy American (BAA) ^⑦
3000K, 80 CRI (30K8) ^{①⑤}			Black Textured (BLK)	FSP-211 with Motion Sensor (UNV Voltage) (FSP-8) ^⑧	Trade American (TAA) ^⑧
3500K, 80 CRI (35K8)			Smooth Black Gloss (SBK)	*8' and Below (FSP-20) ^⑧	Build America
4000K, 70 CRI (40K7)			Graphite Textured (GPH)	*9'-20' Heights (FSP-40) ^⑧	Buy American (BABA) ^⑧
4000K, 80 CRI (40K8) ^①			Grey Textured (GRY)	*21'-40' Heights	
5000K, 70 CRI (50K7)			Green (GRN)	Custom Controls Integration (CCI) ^⑨	
5000K, 80 CRI (50K8) ^①			Custom (CS)		

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ② For Arm Mount, please select an Architectural Arm (AA) separately.
- ③ Universal Voltage 120-277
- ④ Only compatible with Arm Mount Arch Arms: 2, 3, 7-11, 13-18
- ⑤ 3000K or lower must be selected to meet International Dark Sky Association certification.
- ⑥ For AAWM, please select an Architectural arm (AA) separately.
- ⑦ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, or other control systems)
- ⑧ Turtle Safe
- ⑨ Consult factory for all BAA/TAA/BABA requests
- ⑩ Consult factory



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

nlsighting.com

PRODUCT SPECIFICATIONS

HOUSING

Heavy Duty Marine Grade Cast and Spun Aluminum with 4 shade options and 3 cap options

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, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies 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..
- **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)**—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, or other control systems)
- **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 (PCR)**—7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.
- **RECEPTACLE + SHORTING CAP (PER)**—7-Pin Receptacle and Shorting Cap.

FINISH

5 mils Powder Coat

WARRANTY

Standard Warranty is 5 years for Driver and LEDs

LISTINGS

UL 1598 Listed
IDA Dark Sky Approved

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/buy-american/>



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

PART NUMBER	T2 LUMENS	LM/W	T3 LUMENS	LM/W	T4 LUMENS	LM/W	T5 LUMENS	LM/W	Watts
CAL-2-80L-35-30K7	8500	100	8585	101	8670	102	9095	107	85
CAL-2-80L-35-40K7	8840	104	8925	105	9010	106	9520	112	85
CAL-2-80L-35-50K7	9180	108	9265	109	9350	110	10030	118	85
CAL-2-80L-53-30K7	12800	100	12928	101	13056	102	13696	107	128
CAL-2-80L-53-40K7	13312	104	13440	105	13568	106	14336	112	128
CAL-2-80L-53-50K7	13824	108	13952	109	14080	110	15104	118	128
CAL-2-80L-7-30K7	16800	100	16968	101	17136	102	17976	107	168
CAL-2-80L-7-40K7	17472	104	17640	105	17808	106	18816	112	168
CAL-2-80L-7-50K7	18144	108	18312	109	18480	110	19824	118	168
CAL-2-80L-1-30K7	26300	100	26563	101	26826	102	28141	107	263
CAL-2-80L-1-40K7	27352	104	27615	105	27878	106	29456	112	263
CAL-2-80L-1-50K7	28404	108	28667	109	28930	110	31034	118	263

3000k or warmer must be selected to meet International Dark-Sky Association certification.

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	38,000	96,000	93.0%	85.4%	81.8%	68.8%

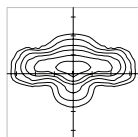
*Reported extrapolations per IESNA TM-21

**Projected extrapolations per IESNA TM-21

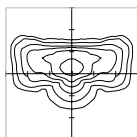
OPTICS

Star Power T2, T3, T4 and T5

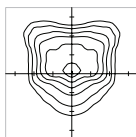
- IES Types



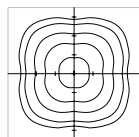
TYPE II (T2)



TYPE III (T3)



TYPE IV (T4)



TYPE V (T5)

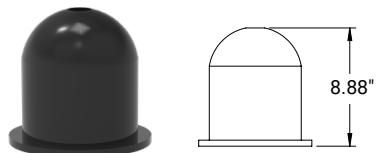
PRODUCT SPECIFICATIONS

PRODUCT CONFIGURATION

TOPS

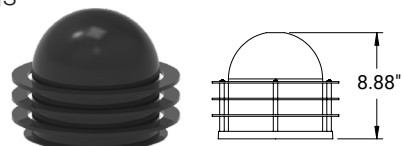
TOP 1

Smooth

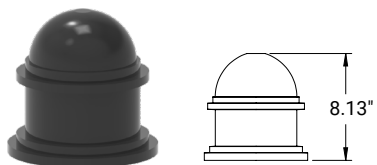


TOP 2

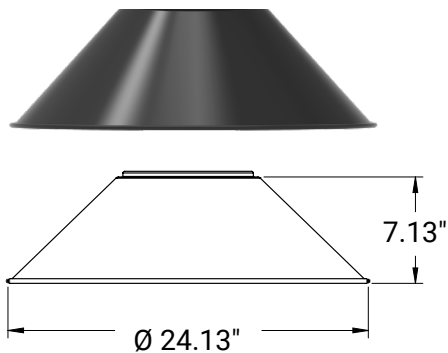
Alum. Rings



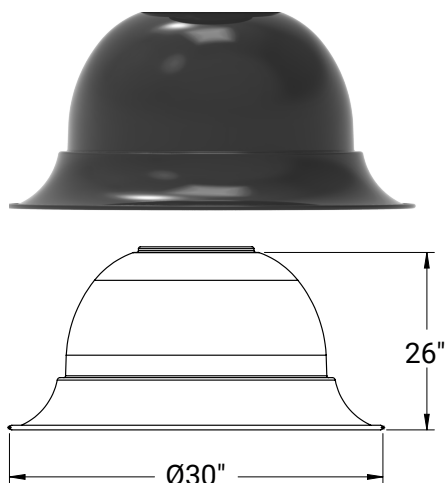
TOP 3



SHADES



SHADE 1

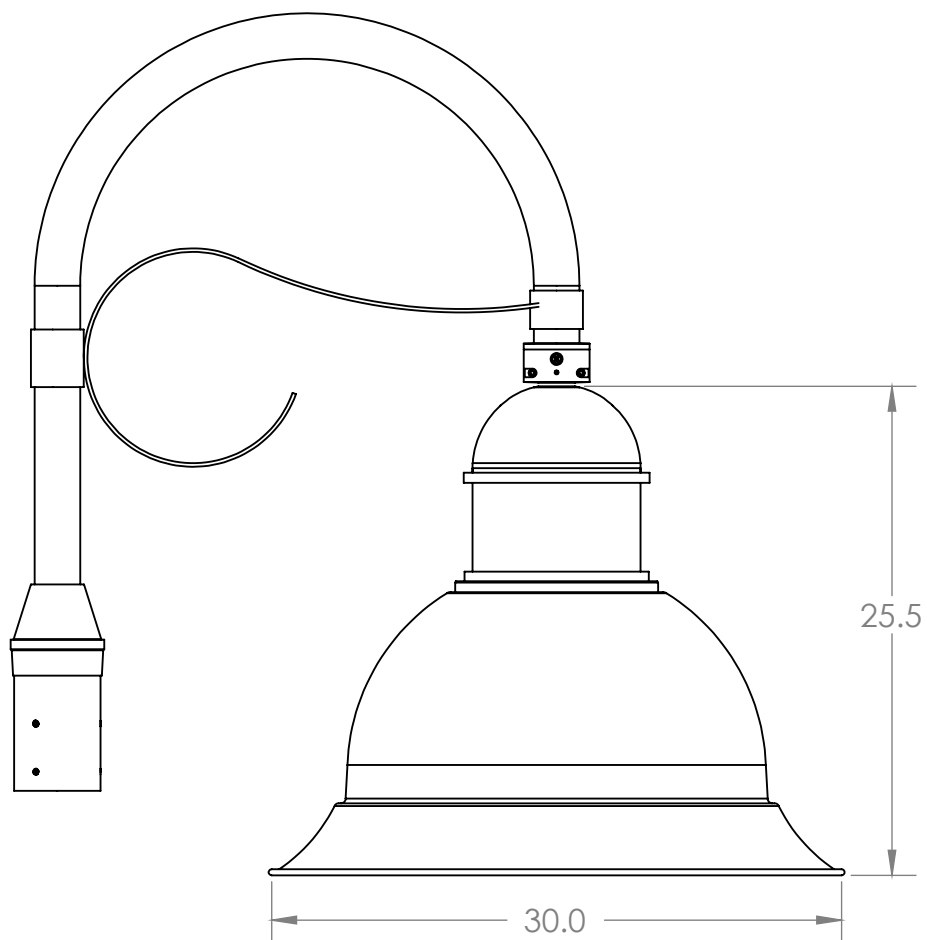


SHADE 6

PRODUCT SPECIFICATIONS

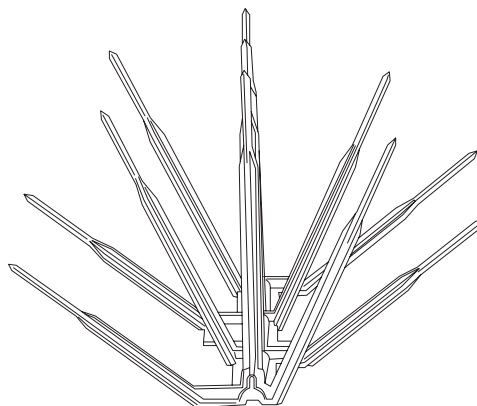
CAL-2 ARM MOUNT

EPA	CAL-2
Single	2.74



BIRD SPIKES (BS)

Bird Spikes 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)

The **(MGF)** is a multi step process. 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.

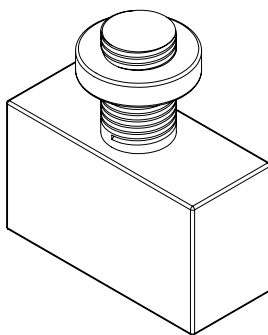


Powder Coat Finish
3-5mm Powder Coat

Primer Layer
3-5mm Zinc Rich
Super Durable Polyester Primer

Prepared Casting
Chemically washed in multi Step 5 stage
cleaning process

BUTTON PHOTOCELL

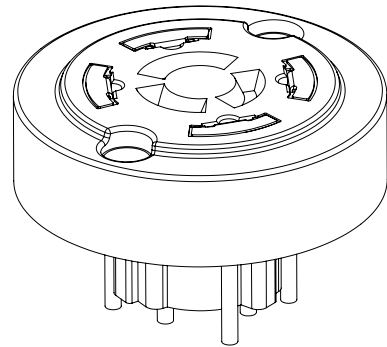


Button Type Photocell (PC)

Photocell for dusk to dawn operation.
Consult Factory.

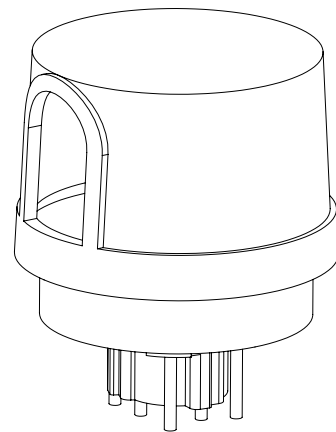
NEMA 7-PIN RECEPTACLE (PE7)

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.



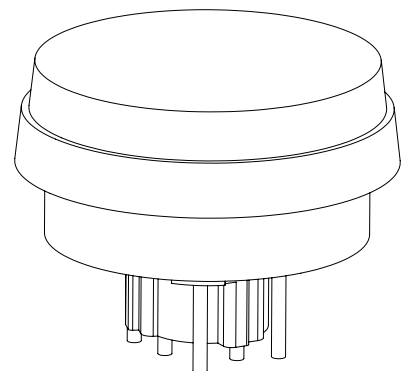
PHOTOCELL + RECEPTACLE (PCR)

7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.

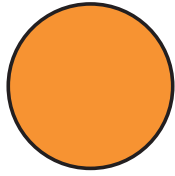


RECEPTACLE + SHORTING CAP (PER)

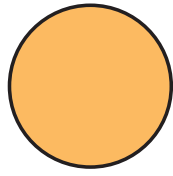
7-Pin Receptacle and Shorting Cap.



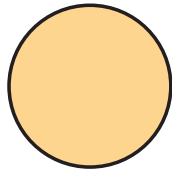
LED KELVIN RANGE



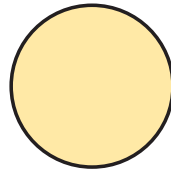
AMBER
585-600 nm



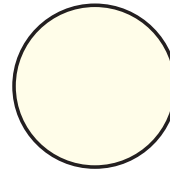
2700K 70 CRI



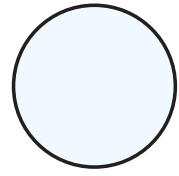
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI

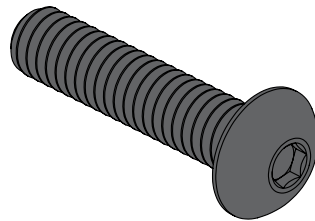


5000K 70 CRI

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

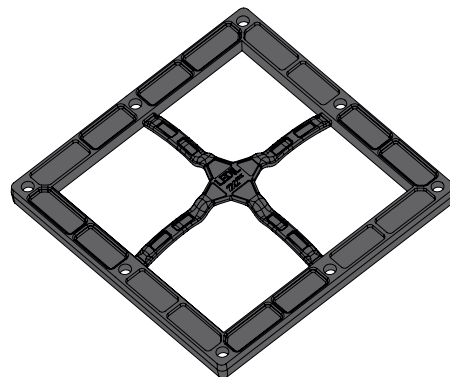
BLACK HARDWARE

Optional black, zinc coated steel hardware.



BLACK OPTIC FRAME

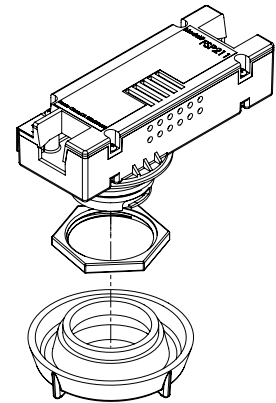
Optional Black Optic Frame.
Standard is white.



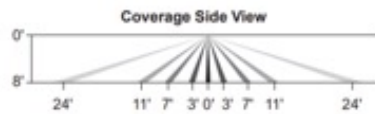
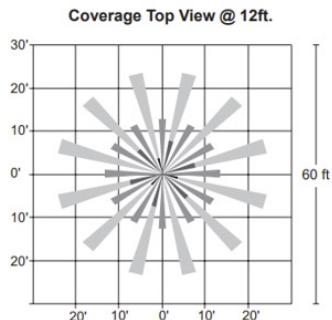
PRODUCT SPECIFICATIONS

CONTROLS

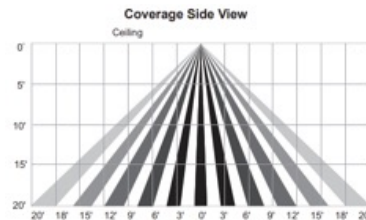
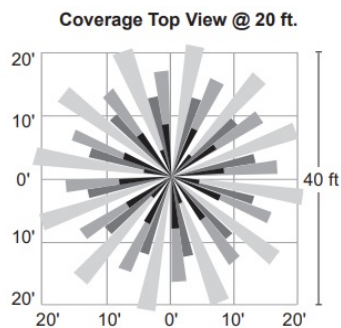
- **DIMMING CONTROL (FSP)**—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
 - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
 - FSP-8 mounting heights 8 feet and below
 - FSP-20 mounting 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.



FSP-8



FSP-20



FSP-40

