

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.



\* Using Architectural Arm 4 (AA4)



**STAR POWER OPTICAL SYSTEM**

The Star Power reflector is an excellent system which provides great value and performance.

**LED WATTAGE CHART**

	16L	32L
350 milliamps	18w	33w
530 milliamps	28w	54w
700 milliamps	36w	71w
1050 milliamps	56w	106w

Project Name: \_\_\_\_\_ Type: \_\_\_\_\_

Cat#	Top	Shade	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
California Small 18" Diameter (CAL-S)	Top 1 (TP1)	Shade 1 (S1)	Type 2 (T2)	16 (16L)	350 (35)	2700K, 70 CRI (27K7) ⑤	120-277 (UNV)	Arm Mount (AM) ②	Bronze Textured (BRZ)	House Side Shield (HSS)
	Top 2 (TP2)	Shade 4 (S4)	Type 3 (T3)	32 (32L)	530 (53)	2700K, 80 CRI (27K8) ① ⑥	347-480 (HV)	Wall Mount (WM) ③	White Textured (WHT)	Bird Spikes (BS)
	Top 3 (TP3)	Shade 6 (S6)	Type 4 (T4)		700 (7)	3000K, 70 CRI (30K7) ⑤			Smooth White Gloss (SWT)	Photocell (PC) ④
		Shade 7 (S7)	Type 4 (T4)		1050 (1)	3000K, 80 CRI (30K8) ① ⑥			Silver (SVR)	Nema 7-Pin Receptacle (PE7) ④
		Shade 8 (S8)	Type 5 (T5)			3500K, 80 CRI (35K8) ①			Black Textured (BLK)	Photocell + Receptacle (PCR) ④
						4000K, 70 CRI (40K7)			Receptacle + Shorting Cap (PER) ④	
						4000K, 80 CRI (40K8) ①			FSP-211 with Motion Sensor (FSP-8) ③	
						5000K, 70 CRI (50K7)			*8' and Below (FSP-20) ③	
						5000K, 80 CRI (50K8) ①			*9'-20' Heights (FSP-40) ③	
									*21'-40' Heights	
									Graphite Textured (GPH)	Marine Grade Finish (MGF)
									Grey Textured (GRY)	
									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 Wall Mount, please select an Architectural arm (AA) separately.

# 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  $-40^{\circ}\text{C}$  and Ambient Temp. Max ranges from  $50^{\circ}\text{C}$  to  $55^{\circ}\text{C}$  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  $105^{\circ}\text{C}$
- CRI 70, 80 or 90
- Color temperatures: 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.

## 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. All Receptacle options are Architectural Arm Mounted. Architectural Arms 2, 3, 7-11, 13-18.

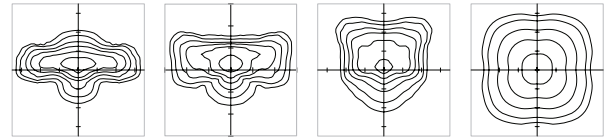
## FINISH

5 mils Powder Coat

## OPTICS

Star Power T2, T3, T4 and T5

- IES Types



TYPE II (T2)

TYPE III (T3)

TYPE IV (T4)

TYPE V (T5)

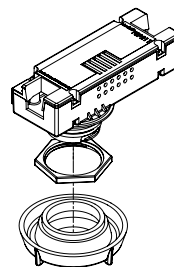
## WARRANTY

Standard Warranty is 5 years for Driver and LEDs

## LISTINGS

UL 1598 Listed  
IDA Dark Sky Approved

## FSP-211

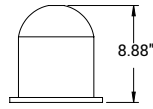


The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

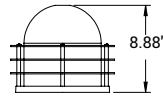
# PRODUCT SPECIFICATIONS

## TOPS

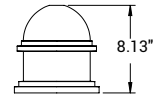
### TOP 1 Smooth



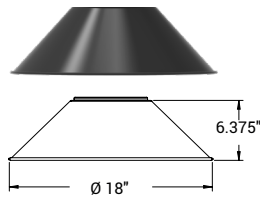
### TOP 2 Alum. Rings



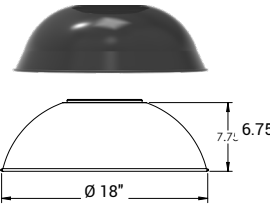
### TOP 3



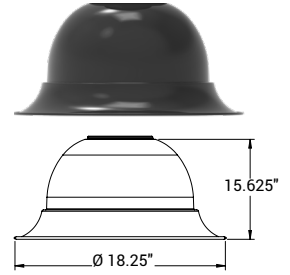
## SHADES



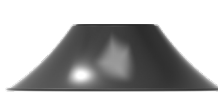
SHADE 1



SHADE 4



SHADE 6



SHADE 7



SHADE 8

PART NUMBER	T2 LUMENS	LM/W	BUG RATING	T3 LUMENS	LM/W	BUG RATING	T4 LUMENS	LM/W	BUG RATING	T5 LUMENS	LM/W	BUG RATING	Watts
CAL-S-16L-35-30K7	1836	102	B1-U0-G1	1854	103	B1-U0-G1	1872	104	B1-U0-G1	1800	100	B1-U0-G1	18
CAL-S-16L-35-40K7	1926	107	B1-U0-G1	1908	106	B1-U0-G1	1926	107	B1-U0-G1	1854	103	B1-U0-G1	18
CAL-S-16L-35-50K7	2034	113	B1-U0-G1	1998	111	B1-U0-G1	2016	112	B1-U0-G1	1908	106	B1-U0-G1	18
CAL-S-16L-53-30K7	2856	102	B1-U0-G1	2884	103	B1-U0-G1	2912	104	B1-U0-G1	2800	100	B2-U0-G1	28
CAL-S-16L-53-40K7	2968	106	B1-U0-G1	2968	106	B1-U0-G1	2996	107	B1-U0-G1	2884	103	B2-U0-G1	28
CAL-S-16L-53-50K7	3136	112	B1-U0-G1	3108	111	B1-U0-G1	3136	112	B1-U0-G1	2968	106	B2-U0-G1	28
CAL-S-16L-7-30K7	3672	102	B1-U0-G1	3708	103	B1-U0-G1	3744	104	B1-U0-G2	3600	100	B2-U0-G1	36
CAL-S-16L-7-40K7	3816	106	B1-U0-G1	3816	106	B1-U0-G1	3852	107	B1-U0-G2	3708	103	B2-U0-G1	36
CAL-S-16L-7-50K7	4032	112	B1-U0-G1	3996	111	B1-U0-G1	4032	112	B1-U0-G2	3816	106	B2-U0-G1	36
CAL-S-16L-1-30K7	5712	102	B2-U0-G2	5768	103	B1-U0-G1	5824	104	B2-U0-G2	5600	100	B3-U0-G1	56
CAL-S-16L-1-40K7	5936	106	B2-U0-G2	5936	106	B1-U0-G1	5992	107	B2-U0-G2	5768	103	B3-U0-G1	56
CAL-S-16L-1-50K7	6272	112	B2-U0-G2	6216	111	B1-U0-G1	6272	112	B2-U0-G2	5936	106	B3-U0-G1	56
CAL-S-32L-35-30K7	3366	102	B1-U0-G1	3399	103	B1-U0-G1	3432	104	B1-U0-G2	3300	100	B2-U0-G1	33
CAL-S-32L-35-40K7	3498	106	B1-U0-G1	3498	106	B1-U0-G1	3531	107	B1-U0-G2	3399	103	B2-U0-G1	33
CAL-S-32L-35-50K7	3696	112	B1-U0-G1	3663	111	B1-U0-G1	3696	112	B1-U0-G2	3498	106	B2-U0-G1	33
CAL-S-32L-53-30K7	5508	102	B2-U0-G2	5562	103	B1-U0-G1	5616	104	B1-U0-G2	5400	100	B3-U0-G1	54
CAL-S-32L-53-40K7	5724	106	B2-U0-G2	5724	106	B1-U0-G1	5778	107	B2-U0-G2	5562	103	B3-U0-G1	54
CAL-S-32L-53-50K7	6048	112	B2-U0-G2	5994	111	B1-U0-G1	6048	112	B2-U0-G2	5724	106	B3-U0-G1	54
CAL-S-32L-7-30K7	7242	102	B2-U0-G2	7313	103	B2-U0-G2	7384	104	B2-U0-G2	7100	100	B3-U0-G1	71
CAL-S-32L-7-40K7	7526	106	B2-U0-G2	7597	107	B2-U0-G2	7597	107	B2-U0-G3	7313	103	B3-U0-G1	71
CAL-S-32L-7-50K7	7952	112	B2-U0-G2	7881	111	B2-U0-G2	7952	112	B2-U0-G3	7526	106	B3-U0-G1	71
CAL-S-32L-1-30K7	10812	102	B3-U0-G3	10918	103	B2-U0-G2	11024	104	B2-U0-G3	10600	100	B3-U0-G2	106
CAL-S-32L-1-40K7	11236	106	B3-U0-G3	11342	107	B2-U0-G2	11342	107	B3-U0-G3	10918	103	B3-U0-G2	106
CAL-S-32L-1-50K7	11872	112	B3-U0-G3	11766	111	B2-U0-G2	11872	112	B3-U0-G3	11236	106	B3-U0-G2	106

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	48,000	143,000	94.3%	89.5%	87.2%	78.5%

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

EPA	CAL-S
Single	0.82



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