California Aria™

Architectural LED

VISIONAIRE LIGHTING
Performance In A Whole New Light

Cal Aria LED – Today's Approach to Traditional Street Lighting

The Cal Aria is a unique post top luminaire design combining a traditional, period style look with current LED technology.

No Acorn Lens to Maintain
• The Cal Aria offers the desired traditional streetscape appearance without the costly expense of lens cleaning associated with other "acorn" style luminaires.
• The Cal Aria is an IES full-cutoff, Dark Sky Friendly, luminaire.
• Two standard Kelvin temperature LED lamps (5500K and 4000K) are available to enhance the lighting effects created by the Cal Aria LED.

Design Flexibility
• With five (5) different hard top shapes, the designer can select the perfect shape to integrate with the surrounding architecture.
• Four (4) different finial top styles are also available.
• 42 or 84 LEDs in 350 mA and 530 mA.
• Tool-less access.
• Die cast aluminum housing.

Internal Mounting Feature (No Visible Hardware)
• A unique internal mounting design means pedestrians will not see any unsightly fixture-to-pole mounting hardware (set screws, thru-bolts). This feature maintains the clean appearance of the Cal Aria and prevents the fixture from ever leaning or rotating.

Flexibility continues with the Cal Aria lamp source options. In addition to LED, the Cal Aria is also available with pulse start metal halide, induction and HPS lamp types.

CAL-1-L NO FINIAL	CAL-2-L FIN2	CAL-3-L FIN1	CAL-4-L FIN1	CAL-5-L NO FINIAL

LED Driver is high-performance with power factor greater than 90% and rated for -40 °C operations for quality of performance and long life.

Quick Disconnects are secured to both sides of the driver for convenient, easy-to-maintain, driver access.

Extruded Aluminum heat sink is built to draw heat away from the LED junction points for extended LED life.

Optics are available in 6 full-cutoff distribution types.

Silicone gasket for complete weather and insect protection.

High strength mounting bolt attaches fixture to tenon with threaded mounting plate.

Choice of four finial shapes.

Choice of five heavy-duty hinged, spun aluminum tops.

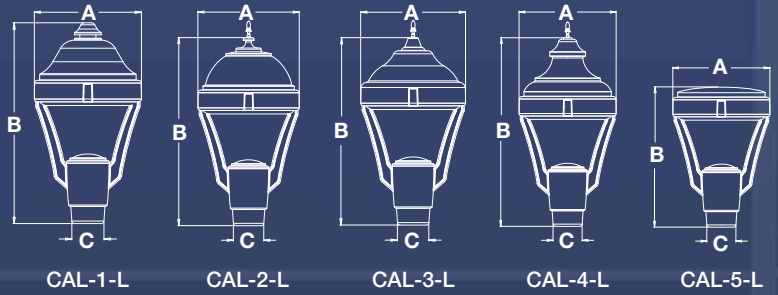Die cast aluminum housing with integral tool-less push latch.

Cast aluminum mounting arms.

Spun aluminum twist lock cover for easy fixture mounting.

Cast aluminum post top fitter designed to slip over a 3" O.D. x 4" tall tenon with special threaded mounting plate.

Dimensional Drawings

| CAL-1-L | CAL-2-L | CAL-3-L | CAL-4-L | CAL-5-L |

Fixture	A	B	C	Max. LEDs	Lbs
CAL-1-L	20"	37½"	6"	84	41
CAL-2-L	20"	37⅛"	6"	84	42
CAL-3-L	20"	35¾"	6"	84	39
CAL-4-L	20"	38⅞"	6"	84	39
CAL-5-L	20"	29¾"	6"	84	38

EPA Data

Fixture	CAL-1-L	CAL-2-L	CAL-3-L	CAL-4-L	CAL-5-L
EPA	2.3	2.3	2.2	2.4	1.9

Model	Optics	# of LEDs	Milliamps	Kelvin	Voltage	Mounting	Finish	Options
CAL-1-L	Type I (T1)	42 (42LC)	mA 350 (3)	4000K *Neutral white (4K)	120-277 *Universal voltage (UNV)	Post Top *Slips over 3"ØD tenon × 4" tall with special threaded mounting plate. Requires special tenon adaptor if poles are not Visionaire Lighting poles. (PT)	Bronze (BZ)	Finials
CAL-2-L	Type II (T2)	84 (84LC)	530 (5)	5500K *Cool white (55K)	Solar 24VDC (24VDC)		Black (BK)	No. 1 (FIN1) No. 2 (FIN2) No. 3 (FIN3) No. 4 (FIN4)
CAL-3-L	Type III (T3)						White (WH)	Button Type Photocell *Specify voltage (PC120) (PC208) (PC240) (PC277)
CAL-4-L	Type IV (T4)						Forest Green (FG)	Fusing *Specify voltage Single in-line fuse (SF120) (SF277) Double in-line fuse (DF208) (DF240)
CAL-5-L	Type V (T5)						Silver Metallic (SL)	Cutoff Louver System (CLS)
	Type V-W (T5W)						Weathered Brown (WB)	Dimming/Controls *Consult factory
							Soft Gold (SG)	0-10 V Dimming Driver *No controls (DIM)
		LED - Light Emitting Diode					Custom Color (CC)	

Housing
• Die cast aluminum fixture housing is 20" diameter with integral tool-less push latch sealing mechanism. Housing features a choice of four heavy-duty, spun aluminum tops.

Thermal Management
• The California Aria provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the California Aria to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Door Frame
• Die cast aluminum door frame incorporates one-piece silicone channel gasket to seal the housing completely. The tool-less push latch allows the housing to hinge upwards for direct access to the lamps and driver; and is supported with a hinge and latch mechanism.
• Silicone gasket for complete weather and insect protection.

Optical System
• The highest lumen output Evo/C LEDs are utilized. Estimated life of the LEDs is 100,000+ hours. IES distributions Types I, II, III, IV, V and VW are standard. The LED light engines are field replaceable. Available with up to 84 LEDs. The optical system qualifies as IES full cutoff; and is Dark-Sky certified to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
• CRI values are 70 for 4000K and 75 for 5500K.

Quali-Guard® Finish
• Fixture components are chemically pretreated through a multiple stage washer and finished with an electrostatically applied, thermoset polyester powder coat textured paint with a 3 to 5 mils thickness. Finish is oven baked at 400 ºF for maximum adherence and finish hardness.
• Available in standard and custom colors.
• Finish is guaranteed for five (5) years.

Post Top Mount
• The California Aria's contractor-friendly mounting hardware is concealed inside the post-top fitter; which slips over 3" O.D. x 4" tall tenon with a special threaded mounting plate and is secured by a high-strength bolt. No exposed hardware.

Electrical Assembly
• The California Aria is supplied with a choice of 350 or 530 mA high-performance LED drivers that accept 120 V thru 277 V, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40 ºC operations.
• 3 kV surge protector supplied as standard.

Warranty
• Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Solar Panel Option
• The California Aria LED is compatible for use with Visionaire Lighting's Solar Panel Pole™.

Options
• Finials
• Button type photocell
• Dimming Controls
• Fusing
• Cutoff louver system
• 0-10 V Dimming Driver
Please consult factory for detailed custom options.

Listings
• California Aria is ⓤⓛ listed, suitable for wet locations.
• Dark-Sky Friendly® certified by the International Dark-Sky Association.
• IP65 Pending.
• LM79 and LM80.
• Powder Coated Tough™.
• RoHS compliant.

LED - HID Comparison Chart - Cal Aria LED					
Comparison 1			**Comparison 2**		
	CAL-42LC-350MA	Savings		CAL-42LC-530MA	Savings
LED Wattage Compared to 100 HID	LED Life Hours Compared to 100 HID	10 Year Energy Savings*	LED Wattage Compared to 150 HID	LED Life Hours Compared to 150 HID	10 Year Energy Savings*
46 / 130 Watts	100,000 / 20,000 Hours	$435	70 / 185 Watts	80,000 / 20,000 Hours	$596
Comparison 3			**Comparison 4**		
	CAL-84LC-350MA	Savings		CAL-84LC-530MA	Savings
LED Wattage Compared to 250 HID	LED Life Hours Compared to 250 HID	10 Year Energy Savings*	LED Wattage Compared to 400 HID	LED Life Hours Compared to 400 HID	10 Year Energy Savings*
92 / 295 Watts	100,000 / 20,000 Hours	$1,052	137 / 465 Watts	80,000 / 20,000 Hours	$1,170
* Savings based on 12 hours operation per night, $.12 per kwh. Refer to the LED Data Chart below for lumen ratings and addtl wattage information.					

LED Data Chart for 5500K*									
# LEDs	Output mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5W	System Watts	L70 Hours
42	350	3,840	3,941	3,754	3,811	3,988	4,140	46	100,000
42	530	4,647	5,132	4,925	4,855	5,410	5,644	68	80,000
84	350	7,507	7,883	6,663	7,320	7,976	8,280	92	100,000
84	530	9,155	10,265	9,988	9,710	10,820	11,288	136	80,000

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.   * For 4000K multiply values by 0.97