

The title "the ARIA Array COLLECTION" in a bold, italicized, blue sans-serif font, overlaid on a photograph of a modern building facade with a grid of vertical slats and several streetlights.

the ARIA Array
COLLECTION



ARIA Array 1

The Aria Array is a one-of-a-kind fixture diverse enough to complement a wide range of area applications. This unique member of the Aria collection features a wide selection of optics and customization options to tailor your fixture to any project perfectly.

The Aria Array is a die cast aluminum fixture with an integral tool-less push latch for direct access to lamp and driver, along with a secure aircraft cable to hold the access door during maintenance.

The overall thermal management is excellent due to maximizing the efficiency of the heat sink in the fixture. This enables the Aria Array to withstand higher ambient temperatures and higher drive currents without degrading LED life. The Aria Array is completely customizable with 10 different LED distribution patterns, 9 standard or a custom color and your choice of 3K, 4K or 5K LEDs.

Mounting options for the Aria Array are, post top mount for a modern spin on classic ornamental street lights, or arm mount for a sleek looking area light. The Aria Array comes with a durable Quali-guard thermoset polyester powder coat finish that is warranted for 5 years.

Features

- Die Cast Aluminum Housing
- Integrated Heat Sink
- Tool-Less Push Latch
- 10 LED Distribution Patterns
- Multi-Mount Options

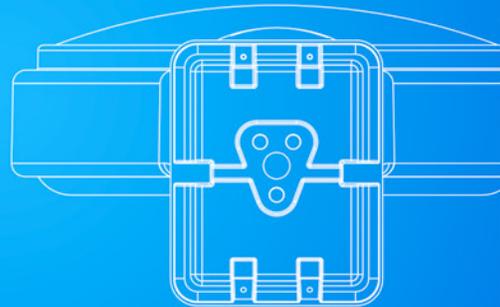
Options

- Button Type Photocell
- Photo Receptacle
- Photocell & Receptacle
- 0-10v Dimming Driver
- Cutoff Louver System
- Aria Wall Plate

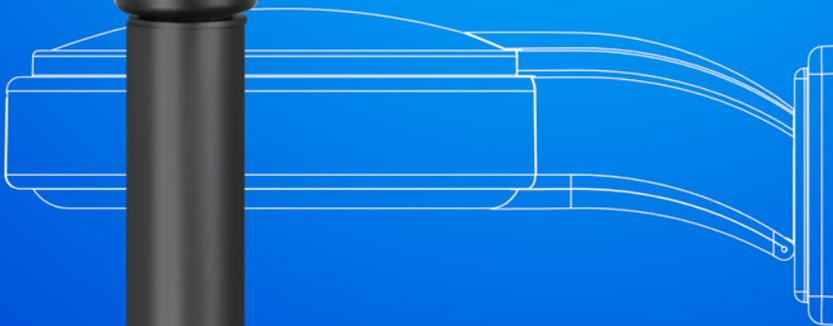
Arm Mount



Post Top Mount



Wall Mount



ARIA-1 ARRAY LED Specifications

**ARI-1-L
(AM)**



Project Name:

Catalog Number:

Type:

Contemporary design meets the new generation of LED green technology in this stunning luminaire, the Aria Array. The Aria Array series provides over fifty percent energy savings over traditional HID light sources; and offers excellent beam control and LED life beyond 100,000 hours. Aria Array is offered in ten optical distributions.

The Aria Array LEDs fully-sealed housing features an exceptionally well-designed thermal management system that provides superior heat dissipation.

The popular Aria Array is the perfect complement to any university campus, business park, or walkway project where contemporary, architectural design is desired.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
ARI-1-L	T1	6L	3K	UNV	AM	BZ	PCR-120	RPP
	T2	10L	3000K	120-277V	Arm Mount	Bronze	PhotoCell & Receptacle	Round Pole Plate Adaptor
	T3	13L	4K	8	PT	BK	PCR-208	ROT-R
	T3L	16L	4000K	347V	Post Top	Black	PhotoCell & Receptacle	Rotated Optics Right Side
	T4	18L	5K	5	Slips over 3"ØD tenon x 4" tall with special threaded mounting plate.	SBK	PCR-240	ROT-L
	T4L	20L	5000K	480V	Requires special tenon adaptor if poles are not Visionaire Lighting poles.	Smooth Black	PhotoCell & Receptacle	Rotated Optics Left Side
	T4A	22L			WM	WH	PCR-277	CLS
	T5SR				Wall Mount	White	PhotoCell & Receptacle	Cutoff Louver Shield
	T5LR				Round Pole Plate Adaptors (RPP) are to be ordered separately.	SWH	PCR-480	AWP
	T5LS					Smooth White	PhotoCell & Receptacle	Aria Wall Plate
					GP	PER	ACB	
					Graphite	3 Pin Photo Receptacle w/shorting cap	Aria Conduit Box	
					GY	5PINPER		
					Grey	5 Pin Photo Receptacle w/shorting cap		
					SL	Requires Dimming Driver		
					Silver Metallic	7PINPER		
					CC	7 Pin Photo Receptacle w/shorting cap		
					Custom Color	Requires Dimming Driver		
						WSC-8		
						Motion Sensor		
						8' Mounting Height		
						WSC-20		
						Motion Sensor		
						9-20' Mounting Height		
						WSC-40		
						Motion Sensor		
						21-40' Mounting Height		
						This option will require (1) FSIR 100 remote for programming		
						DIM		
						0-10v Dimming Driver		
						VWC		
						Visionaire Wireless Controls		
						*Consult Factory		

Housing

- Die cast aluminum fixture housing is 20" diameter with integral tool-less push latch sealing mechanism.
- Door Frame and Lens
- Die cast aluminum door frame incorporates two one-piece silicone channel gaskets to seal the housing and arm completely. Opening the hinged door frame allows for direct access to the driver. The door frame includes an aircraft cable support to hold it securely while servicing the fixture.

Thermal Management

- The Aria Array provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture (see Interior View). This enables the Aria Array to withstand higher ambient temperatures and higher drive currents without degrading LED life.
- The L70 test determines the point in an LED Arrays life when it reaches 70 percent of its initial output. Aria Array series LEDs have been determined to last a minimum of 100,000 hours in 40° C environments when driven at 700 mA. See LED Data Chart below for actual test results.

Optical System

- The highest lumen output LEDs are utilized in the Aria series. IES Types I, II, III, IV, and V distributions are standard. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
- CRI values are 70.

New LED Array Technology

- 4 Diodes now replace a single LED chip and operate at 25% of the drive current allowing for higher efficiency, less heat and longer life. (10 Year Warranty)
- More LEDs at a lower drive current provides a more comfortable visual effect.

Quali-Guard® Finish

- A Quali-Guard® thermoset polyester powder coat painted finish is available in 8 standard and custom colors.

Mounting

- Post Top Mount: The cast aluminum post top mount fitter houses the driver assembly. The contractor-friendly mounting hardware is concealed inside the post top fitter; which slips over a 3" O.D. x 4" tall tenon with a special threaded mounting plate, and is secured by a high-strength bolt.
- Arm Mount: The fixture mounts directly to the pole by means of three stainless steel mounting bolts attaching to an in-pole nut plate, to ensure level installation.
- A Round Pole Plate Adaptor (RPP-4/5) is required for mounting to 4" or 5" round poles.
- Cast wall mount plate predrilled for easy mounting

Electrical Assembly

- The Aria Array is supplied with a choice of 350, 530 and 700mA high-performance LED drivers that accept 120 V thru 480 V, 50 Hz to 60 Hz input. Power factor of 90%. Rated for -40 °C operations.
- 10 kV surge protector supplied as standard.

Warranty

- Ten (10) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information. Please visit www.visionairelighting.com

Options

- Photocell & receptacle
 - Photo receptacle
 - Round pole plate adaptor
 - Button type photocell
 - Cutoff louver system
 - Aria wall plate
 - Aria conduit box
 - 0-10 V dimming driver
- Please consult factory for custom options.

Listings

- Aria Array is cUL listed, suitable for wet locations.
- LM79.
- LM80.
- IP-65
- RoHS compliant.
- Powder Coated Tough™.

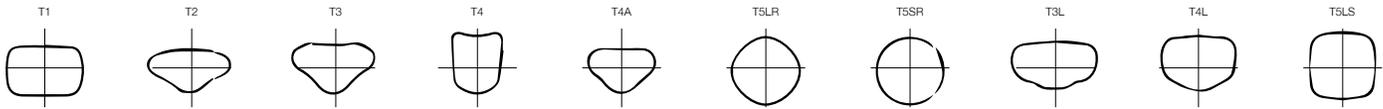


DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>
3000K must be selected for IDA certification.

ARIA-1 ARRAY LED Specifications

Photometric Optical Summary

Not all optics are available on all fixtures. Check ordering chart for availability



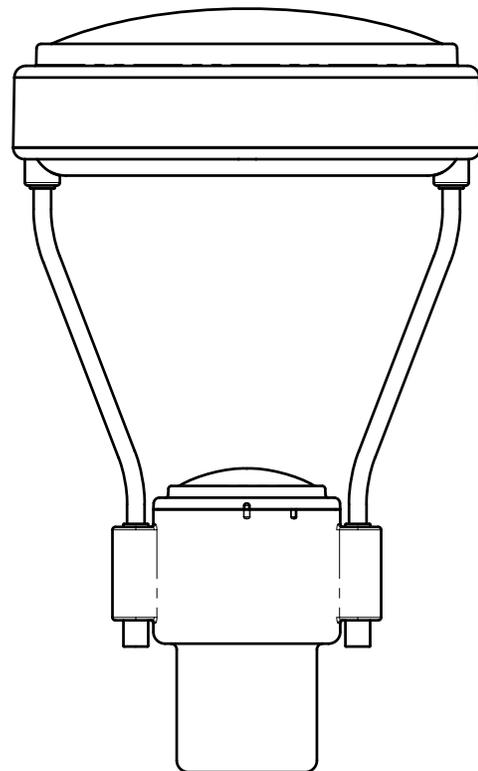
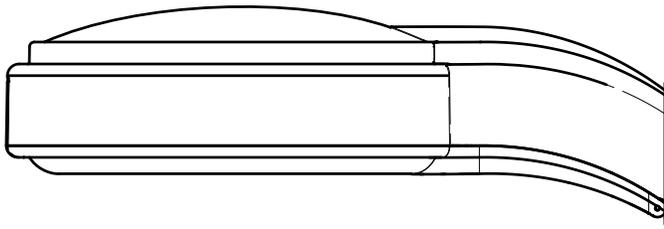
EPA Data	Fixture with Arm						
	ARI-1-L (AM)	1.2	2.2	2.5	2.7	2.6	2.7
	ARI-1-L (PT)	1.8	3.6	3.6	5.3	5.3	5.3

Dimensions AM

Width:	ARI-1 20"
Height:	ARI-1 7.25"
Depth:	ARI-1 28.25"
Weight:	41 LBS

Dimensions PT

Width:	ARI-1 20"
Height:	ARI-1 29.75"
Weight:	41.5 LBS



3K LUMEN DATA											
LUMENS	Current	LEDs	T1	T2	T3	T4	T4A	T5SR	T5LR	T5LS	Watts
6L	350	48AR	6252	6268	6188	6145	6253	6386	6164	6304	50
10L	530		9299	9322	9203	9139	9300	9498	9168	9375	75
13L	700		12532	12563	12403	12317	12533	12801	12355	12635	101
15L	600	64AR	13542	13575	13402	13309	13543	13832	13350	13653	112
18L	700		15889	15927	15725	15616	15890	16229	15664	16019	134
20L	700	80AR	19912	19960	19707	19570	19914	20339	19631	20075	163
25L	700	96AR	24459	24518	24207	24039	24461	24983	24113	24659	196

4K LUMEN DATA											
6L	350	48AR	6921	6938	6850	6803	6922	7070	6824	6978	50
10L	530		10294	10319	10188	10117	10295	10515	10149	10379	75
13L	700		13873	13907	13731	13635	13875	14171	13677	13987	101
15L	600	64AR	14991	15027	14837	14733	14992	15312	14779	15114	112
18L	700		17589	17632	17408	17287	17591	17966	17341	17734	134
20L	700	80AR	22043	22096	21816	21664	22045	22515	21731	22224	163
25L	700	96AR	27076	27142	26798	26611	27079	27656	26693	27298	196

5K LUMEN DATA											
6L	350	48AR	6921	6938	6850	6803	6922	7070	6824	6978	50
10L	530		10294	10319	10188	10117	10295	10515	10149	10379	75
13L	700		13873	13907	13731	13635	13875	14171	13677	13987	101
15L	600	64AR	14991	15027	14837	14733	14992	15312	14779	15114	112
18L	700		17589	17632	17408	17287	17591	17966	17341	17734	134
20L	700	80AR	22043	22096	21816	21664	22045	22515	21731	22224	163
25L	700	96AR	27076	27142	26798	26611	27079	27656	26693	27298	196

3K LPW DATA											
LUMENS	Current	LEDs	T1	T2	T3	T4	T4A	T5SR	T5LR	T5LS	Watts
6L	350	48AR	125	125	124	123	125	128	123	126	50
10L	530		124	125	123	122	124	127	123	126	75
13L	700		124	124	122	122	124	126	122	125	101
15L	600	64AR	121	121	120	119	121	123	119	122	112
18L	700		119	119	117	117	119	121	117	120	134
20L	700	80AR	122	123	121	120	122	125	121	123	163
25L	700	96AR	125	125	124	123	125	128	123	126	196

4K LPW DATA											
6L	350	48AR	138	139	137	136	138	141	136	140	50
10L	530		138	138	136	135	138	141	136	139	75
13L	700		137	137	136	135	137	140	135	138	101
15L	600	64AR	134	134	132	132	134	137	132	135	112
18L	700		131	132	130	129	131	134	129	132	134
20L	700	80AR	134	134	132	131	134	137	132	135	163
25L	700	96AR	138	139	137	136	138	141	136	139	196

5K LPW DATA											
6L	350	48AR	138	139	137	136	138	141	136	140	50
10L	530		138	138	136	135	138	141	136	139	75
13L	700		137	137	136	135	137	140	135	138	101
15L	600	64AR	134	134	132	132	134	137	132	135	112
18L	700		131	132	130	129	131	134	129	132	134
20L	700	80AR	134	134	132	131	134	137	132	135	163
25L	700	96AR	138	139	137	136	138	141	136	139	196



ARIA Sconce

The Aria wall sconce is a great addition to the Aria series that will create a complete cohesive look alongside the Aria area lights and bollards. With its low profile design it integrates easily into any architectural environment.

The Aria Sconce series is built rugged tough. The housing is die cast aluminum. The top is permanently sealed with spun aluminum and the fixture features a tool-less entry doorframe and a one-piece, extruded silicone gasket. The Aria Sconce comes fully customizable with 3 LED distribution patterns and 5 standard colors or any custom color, to be sure to fit any project perfectly.

The finish is Quali-Guard textured thermoset polyester powder coat, oven-baked at a temperature of 400 °F to promote maximum adherence and finish hardness. The finish along the entire fixture is warranted for 5 years.

Features

- Unique LED distribution patterns
- Die cast aluminum housing, permanently sealed
- Die cast, one-piece tool-less entry doorframe
- 100,000 to 150,000 hour LED lamp life

Options

- Button type Photocell
- Vandal-resistant hardware
- Aria conduit box
- Motion sensor
- LED Emergency Battery Pack
- Dimming Controls

ARIA SCONCE LED Specifications



Project Name:

Catalog Number:

Type:

The Aria - Wall Sconce offers a contemporary architectural shape, superior mechanical features combined with high performance and low maintenance LED sources.

The ARS-1 is a low-profile luminaire designed to integrate easily into any architectural environment. The ARS-1 is a full-cutoff, Dark-Sky approved luminaire.

Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
ARS-1	T2	21LC	3	3K	UNV	WM Wall Mount	GY	PC-120
	T3	24LC	350mA	3000K	*120-277V		SL	Button Type Photocell
	T4	42LC	5	4K	8		SL	PC-208
		48LC	530mA	4000K	347V		Silver Metallic	Button Type Photocell
				5K	5		BK	PC-240
				5000K	480V		Black	Button Type Photocell
							SBK	PC-277
							Smooth Black	Button Type Photocell
							WH	WSC-8
							White	Motion Sensor
					SWH	8' Mounting Height		
					Smooth White	WSC-20		
					BZ	Motion Sensor		
					Bronze	9-20' Mounting Height		
					GP	This option will require		
					Graphite	(1) FSIR 100		
					CC	remote for programming		
					Custom Color	VRH		
						Vandal Resistant Hardware		
						ACB		
						Aria Conduit Box		
						EBPL		
						Emergency Battery Pack		
						DIM		
						0-10v Dimming Driver		



ARIA Bollard

The Aria bollard is the last of the Aria Series. Use all three in conjunction to make your project look sleek and unified. The Aria architectural bollard combines contemporary styling with durable vandal-resistant construction. Available with cutoff optics, the Aria is an excellent choice for walkways, entrances, promenades, plazas, courtyards, driveways and landscaped areas. Choose the low-profile-top, or the dome-top to create an architecturally pleasing look.

The Aria bollard comes with 20 LEDs and your choice of either Type III, or Type V distribution pattern. Now with high lumen output, energy efficient state-of-the-art LEDs, your site will be lit with great optics that burn for up to 100,000 hours.

The Aria bollard comes standard with a durable Quali-Guard textured thermoset polyester powder coat available in 7 standard colors and any custom color. A high-performance electronic LED driver operates at 120 through 277 volts, 50 to 60 Hz, with a 90% power factor; and is rated for -40° C operation.

Features

- Clear, tempered flat glass lens with removable stainless hardware
- Cast aluminum top housing is supported by two polished aluminum bars
- Bottom housing is an extruded aluminum shaft
- A heavy-duty cast aluminum base plate concealed within the shaft is designed for standard anchor bolt mounting

Options

- Painted Bars
- Vandal Resistant Hardware
- Vandal Resistant Base

ARIA Bollard LED Specifications



Project Name:

Catalog Number:

Type:

The Aria family of architectural bollards combines contemporary styling with durable, vandal-resistant construction and smooth, low-level, 360-degree LED illumination.

Available with cutoff optics, the Aria is an excellent choice for walkways, entrances, promenades, plazas, courtyards, driveways and landscaped areas.

Choose the low-profile-top ARB-1, or the dome-top ARB-2 to create an architecturally pleasing look, perfect for any green application.

Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
ARB-1	T1	20LC	3	3K	UNV <small>*120-277V</small>	AB Anchor Base (ANCHOR BOLT KIT SUPPLIED)	BZ	VRH
ARB-2	T2		350mA	3000K			BK	VRB
	T3		5	4K			Black	Vandal Resistant Hardware
	T4		530mA	4000K			SBK	Vandal Resistant Base
	T5		7	5K			Smooth Black	
	T5W		700mA	5000K			WH	White
						SWH	Smooth White	
						GP	Graphite	
						GY	Grey	
						SL	Silver Metallic	
						CC	Custom Color	



California ARIA Array

The California Aria Array series is designed with unique dome tops that have a modern take on a classic look. With complete customization from 3 housing shade options, 4 finial options, paint and optics, you can match the Cal Aria Array to any project perfectly.

The Cal Aria Array LED offers excellent control and exceptionally long life. This post top luminaire is an IES full cutoff fixture to restrict light trespass, glare and light pollution for neighborhood-friendly outdoor lighting that is especially desirable in any pedestrian locale.

Thermal management is excellent due to maximizing the efficiency of the heat sink in the fixture. This enables the Cal Aria Array to withstand higher ambient temperatures and higher drive currents without degrading LED life. The Cal Aria Array is completely customizable with 10 different LED distribution patterns, 8 standard colors or a custom color. Choose of 3K warm white, 4K neutral white or 5K cool white LEDs.

Features

- 3 unique spun aluminum housing shades
- Die cast aluminum doorframe incorporates a tool-less entry system
- 8 optical distribution patterns
- ETL listed suitable for wet locations

Options

- 4 Finial Choices
- Button Type Photocell
- Cutoff Louver System
- Dimming Controls
- 0-10 V Dimming Driver



CAL-5-L

CAL ARIA ARRAY LED Specifications



Project Name:

Catalog Number:

Type:

Beauty meets performance in this feature-rich and highly versatile California Aria Array luminaire series. The California Aria Array LED offers excellent control and an exceptionally long life. Our high-efficiency light engines house our latest LEDs for a CRI of 70, and increased energy savings. Available in 3,000, 4,000 or 5,000 Kelvin.

The California Aria Arrays' fully-sealed housing features an exceptionally well-designed thermal management system that provides superior heat dissipation.

The California Aria Array is a strong, die cast aluminum fixture, manufactured in five architecturally pleasing housing styles, with mix and match finials and a variety of finishes to choose from. Tool-less entry makes this luminaire's maintenance a breeze.

This post top luminaire is an IES full cutoff fixture to restrict light trespass, glare and light pollution for neighborhood-friendly outdoor lighting that is especially desirable in any pedestrian locale.

The California Aria Array is a perfect complement to any shopping center, park, walkway or boardwalk environment.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
CAL-1-L	T1 Type 1	6L	3K 3000K	UNV 120/277V	PT Post Top Slips over 3"ØD tenon x 4" tall with special threaded mounting plate.	BZ Bronze	PC-120 Button Type Photocell	FIN1
CAL-3-L	T2 Type 2	10L	4K 4000K	8 347V	Requires special tenon adaptor if poles are not Visionaire Lighting poles.	BK Black	PC-208 Button Type Photocell	FIN2
CAL-5-L	T3 Type 3	13L	5K 5000K	5 480V		SBK Smooth Black	PC-240 Button Type Photocell	FIN3
	T4 Type 4	15L				WH White	PC-277 Button Type Photocell	FIN4
	T4A Type 4 Automotive	18L				SWH Smooth White	PCR-120 Photocell & Receptacle	
	T5SR Type 5 Short Round	20L				GP Graphite	PCR-208 Photocell & Receptacle	
	T5LR Type 5 Long Round	25L			GY Grey	PCR-240 Photocell & Receptacle		
	T5LS Type 5 Long Square				SL Silver Metallic	PCR-277 Photocell & Receptacle		
					CC Custom Color	PCR-480 Photocell & Receptacle		
						PER 3 Pin Photo Receptacle w/shorting cap		
						SPINPER 5 Pin Photo Receptacle w/shorting cap Requires Dimming Driver		
						7PINPER 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver		
						WSC-8 Motion Sensor 8' Mounting Height		
						WSC-20 Motion Sensor 9-20' Mounting Height		
						WSC-40 Motion Sensor 21-40' Mounting Height This option will require (1) FSR 100 remote for programming		
						DIM 0-10v Dimming Driver		
						WVC Visionaire Wireless Controls *Consult Factory		

Housing

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

Thermal Management

- The California Aria Array provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the California Aria Array 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 access to the LEDs and is supported with a hinge and latch mechanism.
- Silicone gasket for complete weather and insect protection.

Optical System

- The highest lumen output LED Arrays are utilized. The L70 test determines the point in an LED's life when it reaches 70 percent of its initial output LEDs have been determined to last a minimum of 100,000 hours in 25° C environments when driven at 350 mA. CRI values are 70.
- IES distributions Types I, II, III, IV and V are standard. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.

New LED Array Technology

- 4 Diodes now replace a single Led chip and operate at 25% of the drive current allowing for higher efficiency, less heat and longer life. (10 Year Warranty)
- More LEDs at a lower drive current provides a more comfortable visual effect.

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 °F 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 Arrays' contractor-friendly mounting hardware is concealed inside the post-top fitter; which slips over 3" O.D. x 4 1/2" tall tenon with a special threaded mounting plate and is secured by a high-strength bolt. No exposed hardware.

Electrical Assembly

- The California Aria LED Array series is supplied with a high-performance LED driver, that accepts 120 V through 480 V, 50 Hz to 60 Hz input. Power factor is 90%. Rated for -40 oF operation.
- 10 kV surge protector supplied as standard.

Warranty

- Ten (10) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information, please visit visionairelighting.com.

Options

- Finials
- Button type photocell
- Cutoff louver system
- 0-10 V dimming driver
- Wireless Controls

Listings

- California Aria Array is cUL listed, suitable for wet locations.
- LM79 and LM80.
- Powder Coated Tough™
- RoHS compliant.
- IP-65



CAL ARIA ARRAY LED Specifications

Not all optics are available on all fixtures. Check ordering chart for availability

Photometric Optical Summary



EPA Data

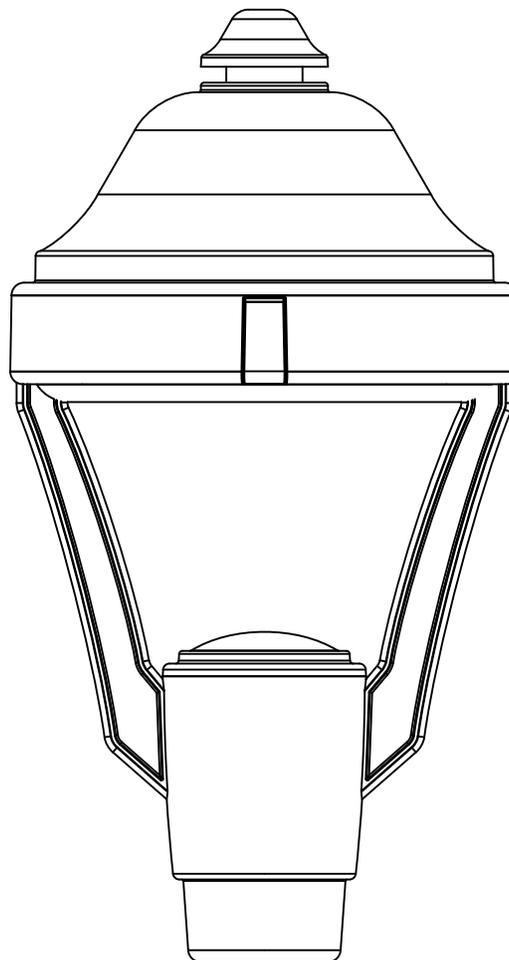
CAL-1-L 2.3

CAL-3-L 2.2

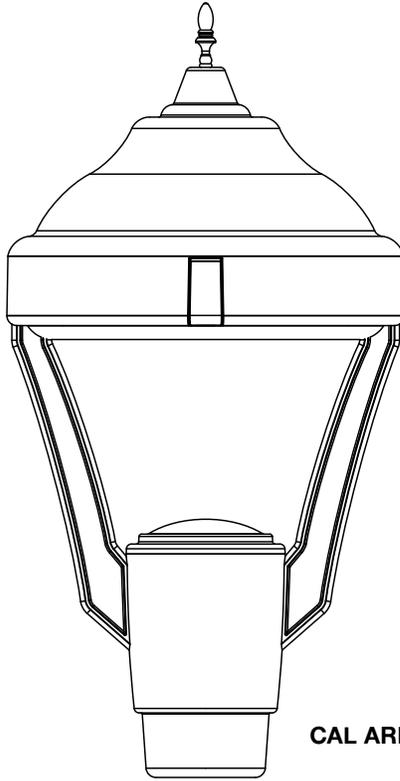
CAL-5-L 1.9

Dimensions

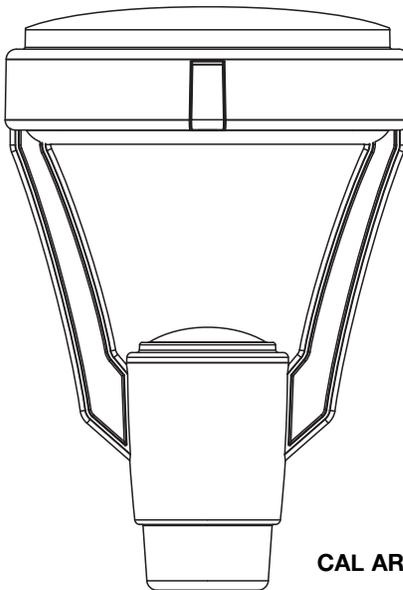
CAL ARIA 1	CAL ARIA 3	CAL ARIA 5
Width: CAL-1-L 20"	Width: CAL-3-L 20"	Width: CAL-5-L 20"
Height: CAL-1-L 37.5"	Height: CAL-3-L 35.75"	Height: CAL-5-L 29.75"
Weight: 41 LBS	Weight: 39 LBS	Weight: 38 LBS



CAL ARIA 1



CAL ARIA 3



CAL ARIA 5

CAL ARIA ARRAY LED Specifications



CAL-1-L
NO FINIAL



CAL-3-L
FIN1



CAL-5-L
NO FINIAL



No. 1
(FIN1)



No. 2
(FIN2)



No. 3
(FIN3)



No. 4
(FIN4)

3K LUMEN DATA											
LUMENS	Current	LEDs	T1	T2	T3	T4	T4A	T5SR	T5LR	T5LS	Watts
6L	350	48AR	6331	6215	6306	6011	6296	6501	6409	6443	50
10L	530		9416	9243	9379	9137	9363	9669	9532	9583	75
13L	700		12690	12457	12639	12314	12619	13031	12846	12915	101
15L	600	64AR	13713	13460	13658	13306	13635	14081	13881	13955	112
18L	700		15584	15297	15521	15122	15496	15902	15677	15941	134
20L	700	80AR	20163	19792	20082	19566	20050	20705	20411	20520	163
25L	700	96AR	24767	24312	24668	24033	24628	25432	25072	25205	196

4K LUMEN DATA											
6L	350	48AR	7009	6880	6981	6801	6969	7197	7095	7133	50
10L	530		10424	10232	10382	10115	10365	10704	10552	10608	75
13L	700		14048	13790	13992	13632	13969	14426	14221	14297	101
15L	600	64AR	15180	14901	15119	14730	15095	15588	15367	15449	112
18L	700		17811	17484	17740	17283	17711	18290	18030	18126	134
20L	700	80AR	22321	21911	22231	21659	22195	22920	22595	22716	163
25L	700	96AR	27418	26914	27308	26605	27263	28154	27755	27903	196

5K LUMEN DATA											
6L	350	48AR	7009	6880	6981	6801	6969	7197	7095	7133	50
10L	530		10424	10232	10382	10115	10365	10704	10552	10608	75
13L	700		14048	13790	13992	13632	13969	14426	14221	14297	101
15L	600	64AR	15180	14901	15119	14730	15095	15588	15367	15449	112
18L	700		17811	17484	17740	17283	17711	18290	18030	18126	134
20L	700	80AR	22321	21911	22231	21659	22195	22920	22595	22716	163
25L	700	96AR	27418	26914	27308	26605	27263	28154	27755	27903	196

3K LPW DATA											
LUMENS	Current	LEDs	T1	T2	T3	T4	T4A	T5SR	T5LR	T5LS	Watts
6L	350	48AR	127	124	126	120	126	130	128	129	50
10L	530		126	124	126	122	125	129	128	128	75
13L	700		125	123	125	122	125	129	127	127	101
15L	600	64AR	122	120.2	122	119	122	126	124	125	112
18L	700		120.1	117.9	119.6	116.5	119.4	123.3	121.5	122.2	134
20L	700	80AR	124	122	123	120	123	127	125	126	163
25L	700	96AR	127	124	126	123	126	130	128	129	196

4K LPW DATA											
6L	350	48AR	140	138	140	136	139	144	142	143	50
10L	530		140	137	139	135	139	143	141	142	75
13L	700		139	136	138	135	138	142	140	141	101
15L	600	64AR	136	133	135	132	135	139	137	138	112
18L	700		133	130	132	129	132	136	135	135	134
20L	700	80AR	137	135	136	133	136	141	139	139	163
25L	700	96AR	140	138	140	136	139	144	142	143	196

5K LPW DATA											
6L	350	48AR	140	138	140	136	139	144	142	143	50
10L	530		140	137	139	135	139	143	141	142	75
13L	700		139	136	138	135	138	142	140	141	101
15L	600	64AR	136	133	135	132	135	139	137	138	112
18L	700		133	130	132	129	132	136	135	135	134
20L	700	80AR	137	135	136	133	136	141	139	139	163
25L	700	96AR	140	138	140	136	139	144	142	143	196



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