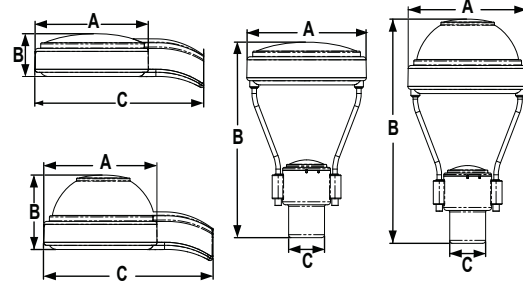


Aria LED

Project Name	Type
Catalog Number	



Dimensional Drawings



Fixture	A	B	C	Max. LEDs	Lbs
ARI-1 (AM)	20"	7 ¹ / ₄ "	28 ¹ / ₄ "	84	41
ARI-1 (PT)	20"	29 ³ / ₄ "	6"	84	41.5
ARI-2 (AM)	20"	12 ¹ / ₄ "	28 ¹ / ₄ "	84	42.5
ARI-2 (PT)	20"	35"	6"	84	46

More Products Available in the Aria Series



Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Options
ARI-1-L Low Profile	Type I (T1) 	# of LEDs 42 (42LC)	350 (3)	4000K (4K)	120-277 *Universal voltage (UNV)	Arm Mount (AM)	Bronze (BZ)	<u>Photocell & Receptacle</u> *Specify voltage (PCR120) (PCR208) (PCR240) (PCR277)
		84 (84LC)	530 (5)	5500K (55K)	Solar 12VDC (12VDC)	Post Top *Slips over 3"Ø tenon x 4" tall with special threaded mounting plate (PT)	Black (BK)	Photo Receptacle (PER) *With shunting cap
ARI-2-L Dome Top	Type II (T2) 	<u>Button Type Photocell</u> *Specify voltage (PC120) (PC208) (PC240) (PC277)						
		Fusing *Specify voltage. Single in-line fuse. (SF120) (SF277) Double in-line fuse. (DF208) (DF240)						
		Tear Drop Lens Clear Acrylic (AT)						
		Lightly Diffused Acrylic (ATLDL) Clear Glass (GT)						
		Lightly Diffused Glass (GTLDL)						
	Type III (T3) 	Painted Bars (PB) *For Post Top: Painted same color as housing. Bars come standard with chrome finish.						
	Type IV (T4) 	<u>Round Pole Plate Adaptor</u> For 4"Ø Pole (RPP4) For 5"Ø Pole (RPP5)						
	Type V (T5) 	Cutoff Louver System (CLS) Aria Wall Plate (AWP) Aria Conduit Box (ACB)						
					Consult factory for 347-480 V	Round Pole Plate Adaptors (RPP) are to be ordered separately.	Custom Color (CC)	

LED - Light Emitting Diode

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

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 lamp and driver. The door frame includes an aircraft cable support to hold it securely while servicing the fixture.
- Optional acrylic or glass tear drop lenses available.

Thermal Management

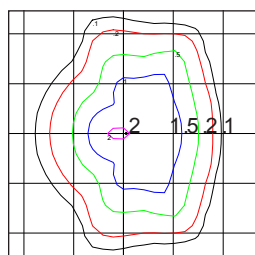
- The **Aria** provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture (see Interior View). This enables the **Aria** to withstand higher ambient temperatures and higher drive currents without degrading LED life.
- The L_{70} test determines the point in an LED's life when it reaches 70 percent of its initial output. **Aria** series LEDs have been determined to last a minimum of 100,000 hours in 40 °C environments when driven at 350 mA. See LED Data Chart below for actual test results.

Optical System

- The highest lumen output **Evo/C LEDr** are utilized in the **Aria** series. IES Types I, II, III, IV and V distributions are standard. The LED VisionBar™ light assemblies are available in 42 or 84 LED configurations, and are field replaceable. The optical system qualifies as IES full cutoff; and is Dark-Sky certified to restrict light trespass, glare and light pollution.
- CRI values are 70 for 4000K and 75 for 5500K.

Quali-Guard® Finish

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



ARIA-1 ISOLUX CURVE

TYPE III OPTICS
42 LEDs @ 700 mA
NOMINAL WATTS = 90

Scale: 1 Square = 23 ft
Initial Light Loss Factor = 1.00
Total Lumens Per Luminaire = 0
Mounting Height = 23 ft
Arrangement: Single

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.

Electrical Assembly

- The **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 °C operations.
- 2 kV surge protector supplied as standard.
- Driver is compatible with dimmer from 0-10 volts.

Warranty

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

Solar Panel Option

- The **Element II** is compatible for use with Visionaire Lighting's Solar Panel Pole™.

Options

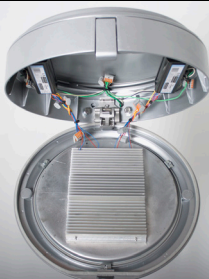
- Photocell & receptacle
- Photo receptacle
- Button type photocell
- Fusing
- Acrylic or glass tear drop lens
- Painted bars for post top mount
- Round pole plate adaptor
- Cutoff louver system
- **Aria** wall plate
- **Aria** conduit box

Please consult factory for custom options.






Listings

- **Aria** is  listed, suitable for wet locations.
- Dark-Sky Friendly®, full cutoff certified by the International Dark-Sky Association.
- LM79.
- LM80.
- RoHS compliant.
- Powder Coated Tough™ 

Heat Sink Detail



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
ARI-2-L (AM)	1.7	3.2	3.5	4.2	4.1	4.2
ARI-2-L (PT)	2.3	4.6	4.6	6.8	6.8	6.8

LED Data Chart for 5500K*

# Bars	# LEDs	Output mA	Type 1	Type 2	Type 2-R	Type 3	Type 4	Type 5	Type 5-W	Type 5-C	Type 5-N	System Watts	L70 Hours
1	42	350	3,840	3,941	3,864	3,754	3,811	3,988	4,140	4,232	4,324	46	150,000
		530	4,647	5,132	5,032	4,925	4,855	5,410	5,644	5,780	5,916	68	100,000
2	84	350	7,507	7,883	7,728	6,663	7,320	7,976	8,280	8,464	8,648	92	150,000
		530	9,155	10,265	10,064	9,988	9,710	10,820	11,288	11,560	11,832	136	100,000

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.

* For 4000K multiply values by 0.97