

ARIA™

PROFILE
RGBW



4-in-1 RGBW LED Ellipsoidal Spot Fixture

The Aria™ Profile RGBW is an LED ellipsoidal spot fixture that comes equipped with a high-output 180W RGBW 4-in-1 COB LED, which is the driving force behind its brightness and bold color rendering capabilities. And the LED is flicker-free, so it is perfect for video and film.

Its brilliant design allows the Aria™ Profile RGBW to create sharp or soft edged beams with manual focus, and it has excellent framing abilities with its (4) blade shutters.

These fixtures are also capable of ultra high resolution dimming (4,096 steps per channel), and offer speed controllable built-in programs with smooth fades, sharp color changes, and even has a DMX controllable virtual color wheel for full control and subtle color changes at your fingertips.

Users have the ability to change the field angle of the light simply by swapping out the lens tube. The Aria™ Profile RGBW works with all of our currently available lens tubes which include 19°, 26°, 36°, and 50° making it a highly versatile fixture.

Lens Part Numbers:

- ARIA-LENS-19
- ARIA-LENS-26
- ARIA-LENS-36
- ARIA-LENS-50



* Each fixture comes with the choice of any 1* lens tube. All others are available separately.

Main Features

- 180W RGBW 4-in-1 COB LED
- 19°, 26°, 36°, and 50° lens tubes are available
- High resolution dimming (4,096 steps)
- 4* user selectable dimming curves
- Virtual color wheel
- Auto mode, color snap, and fade
- Manual focus
- (4) blade manual framing shutters
- Gel frame & gobo holder (supports B size gobos)
- Rotating barrel ± 25°
- 1-20 fps strobe effects
- Flicker-free operation
- Low power consumption
- 4-button LCD control panel menu
- PowerCon™ compatible in/out power connectors
- 3-pin DMX input/output
- Durable plastic composite housing



Optical

180W RGBW 4-in-1 COB LED

Available lenses:
19/26/36/50 degrees

Luminous Intensity:
(19°) 3,877 Lux @ 2.5m
(26°) 2,654 Lux @ 2.5m
(36°) 1,926 Lux @ 2.5m
(50°) 1,219 Lux @ 2.5m



Weight + Dimensions

Width: 10.2" (258 mm)
Depth: 25.5" (646 mm)
Height: 9.7" (247 mm)

Weight: 16.5 lbs. (7.5 kg)



Control

Protocol: USITT DMX-512

6/9-channel DMX modes

Standalone, Master/Slave, Auto Mode

3-pin XLR In/Out connections

4-button LCD control panel



Power + Current

90-260VAC, 50-60 Hz

Power Consumption:
160W, 1.35A, PF: .99



Warranty

2-year limited warranty, does not cover malfunction caused by damage to LEDs



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Report of Photometry & Chromaticity for Light Source

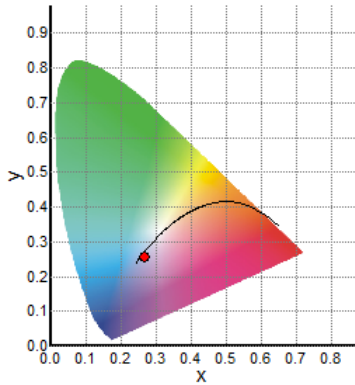


Product Description

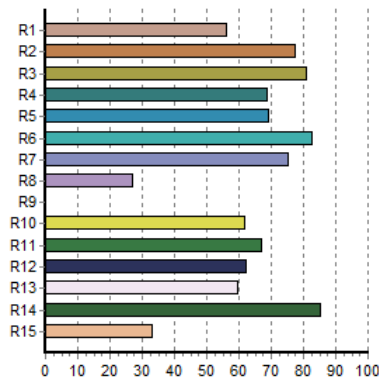
Product Name	Aria™ Profile RGBW
Sample Number	19°, 5-Meters
Date(YYYY/MM/DD)	2017/11/28 12:59:30
Manufacturer	Blizzard Lighting
Tester	Joe Thomas
Temperature(°C)	Re. Humidity(%)
Reviewer	JT

Photometry and Chromaticity

CIE_x	0.2676	Duv	-0.0088
CIE_y	0.2561	λd(nm)	473.4
CIE_u'	0.1933	Purity(%)	30
CIE_v'	0.4162	FWHM(nm)	29
CCT(K)	16566	SP ratio	3.28
Illuminance(lx)	1058	PPFD(μmol/m² s)	20.6
λp(nm)	460	CRI(Ra)	68
TLCI(Qa)	40.8	GAI	136.6
GAI BB8	126	GAI BB15	126
TM-30 Rf	70	TM-30 Rg	106



CIE1931 Chromaticity Diagram

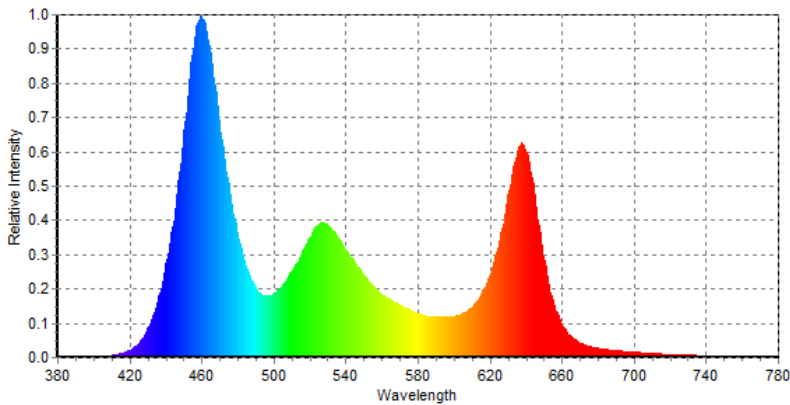


Histogram Diagram of CRI

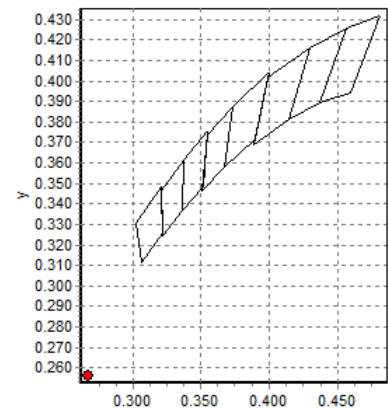
CQS-Qa	84	Re(thru R1~R15)	52
R1	56.3	R6	82.9
R2	77.9	R7	75.6
R3	81.5	R8	27.3
R4	69.1	R9	-131.4
R5	69.5	R10	62.1
		R11	67.4
		R12	62.4
		R13	59.8
		R14	85.5
		R15	33.5

Flicker Frequency(Hz)
Flicker Index

Flicker %



Spectral Distribution



C78.377-2008