AURORA BARREL
A1W-4S *Color Changing LED Ceiling*

AiSPiRE
A WAC COMPANY

Fixture Type: _____

Catalog Number: _____

Project: _____

Location: _____

FINISHES

Black **White** **Bronze** **Graphite**

Model	Diameter	Power	Beam		Delivered Lumens @ 3000K	CBCP @ 3000K	Color Temp	Finish
A1W-4S	5"	*31W*	S N F	15˚ 25˚ 30˚	735 645 620	6177 1951 1386	**CC** Color Changing	**BK** Black **WT** White **BZ** Bronze **GH** Graphite

A1W-4S-_-CC_
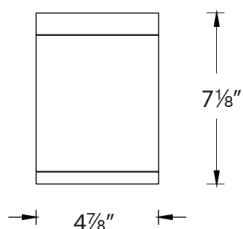Example: **A1W-4S-S-CCBK**

DESCRIPTION

The latest LED, Bluetooth, and DMX technology for precise color selection in an appealing cylindrical profile. Perfect for accent and wall wash lighting. Available in various light distribution and beam angle options.

FEATURES

- Full color gamut control through gradients of saturated
- colors from 1-100%
- • Tunable White (CCT) Range: 1650-8000K
- • Bluetooth control via ilumenight™ iOS App
- • High performance LED ceiling light
- • Solid die cast aluminum construction
- • 5 year warranty

SPECIFICATIONS

Input:	Universal voltage 120V - 277V, 50/60Hz
Controls:	DMX512-A with advanced commissioning via Bluetooth. Bluetooth v4.0 - Configured with ilumenight™ iOS App for localized (within 150ft line of sight) groups of 8 luminaires or less. (DMX512-A hardwire recommended for high wireless signal interference environments).
Dimming:	100%-1% in CCT & Color via DMX or Bluetooth control
Light Source:	High output 2 Step MacAdam Ellipse LEDs, 90+ CRI Rated life of 50,000 hours at L70
Finish:	Electrostatically powder coated white, black, bronze and graphite
Standards:	IP65 rated, ETL & cETL wet location listed
Operating Temperature:	-13˚F to 122˚F (-25˚C to 50˚C)

LINE DRAWING

7⅛"

4⅞"

AURORA
Painting with Light – Full Visible Spectrum

WHAT IS AURORA?

- Gradients of saturated colors from 1 - 100%
- On board closed loop thermal feedback compensates each color channel for thermally induced variations in optical output due to tuning, dimming or ambient temperatures.
- On board closed loop optical feedback measures the lumen depreciation of each channel and rebalances the color model to ensure color consistency over the 50,000 hour life of the module.
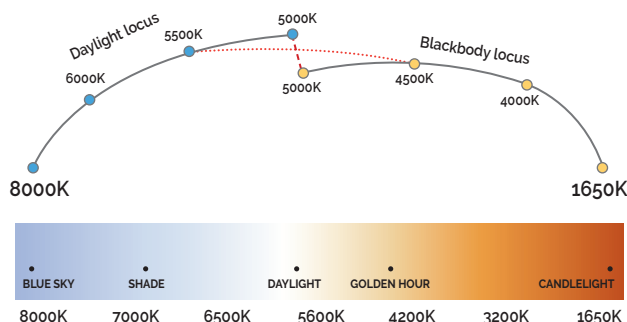
WHY PAINT WITH FULL SPECTRUM LIGHT?

Until recently, all light – sunlight, firelight, candlelight, incandescent light –was full spectrum light. Full spectrum light contains all of the visible colors, and, like sunlight, renders colors naturally. Creating electric sunlight means that we needed to mix multiple colors (also known as channels) to replicate the color, beauty and range of sunlight.

WHAT ARE THE BENEFITS OF TUNABLE COLOR?

The 1650-8000K tunable range, 90+ CRI color quality, LED dimming to 0.1%, <2 SDCM color consistency over life, and access to a wide gamut of colors enable the delivery of different lighting profiles that expertly resolve the multiple lighting objectives in your room.

WHAT ARE THE TWO LIGHTING PROFILES OFFERED?

The tunable color profile features a broad tunable range from 1650K to 8000K. The light tracks the CIE Blackbody locus from 1650 - 4500K and then smoothly transitions to the Daylight Curve to 8000K — emulating natural daylight from sunrise to sunset. The warm-dim halogen profile recreates traditional dimming by emulating a halogen lamp from 3050K at full brightness to 1800K at 0.1%.

The Best Light: Aurora recreates and controls light that emulates the spectral quality of daylight — accesses a rich gamut of pastels and saturated colors to unveil new design frontiers.

DYNAMIC DAYLIGHT
Blackbody to Daylight Curve

BLUE SKY	SHADE	DAYLIGHT	GOLDEN HOUR	CANDLELIGHT
8000K	7000K	6500K	5600K	4200K	3200K	1650K

LED DIMMING
100% - 0.1%

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ARCHITECTURE & LANDSCAPE ILLUMINATION

There are extraordinary opportunities in the outdoor lighting environment for controlled illumination. Especially with the addition of robust control of saturation and hue, designers and owners enjoy a level of precision, before thought impossible. Facades can be painted with the exact color desired, and plant materials can be individually selected and then illuminated. Scenes can be preset, and corporate brand colors can be introduced without gels or filters, which invariably shift over time.

CONTROL COMPATIBILITY

ANALOG - DMX can be used to control Dimming and CCT independently, or program Scenes – in any combination of Dimming, CCT, Saturation, and Hue - and recall them with presets or the WAC iOS App.

IOS - Used in conjunction with Digital or Analog controls, each module can be wirelessly commissioned and then the radio turns off for enhanced security.
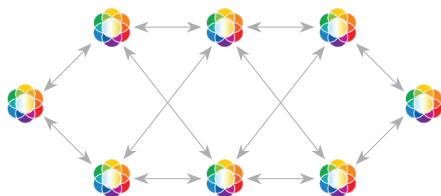
0 - 10v

DMX

V A N T A G E

CRESTRON

Bluetooth FOR COMMISSIONING ONLY
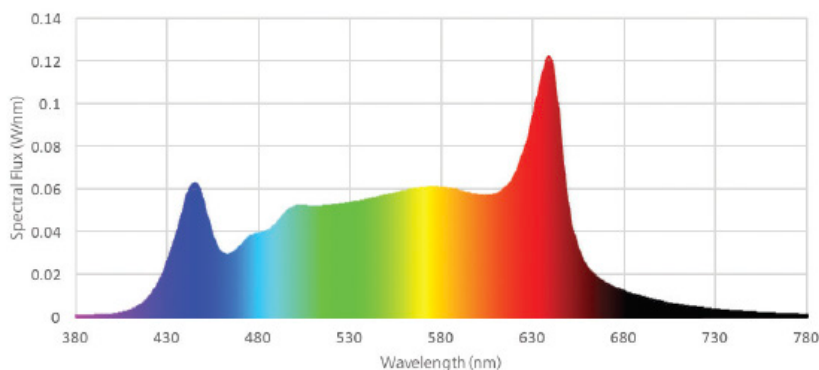
COLOR CONSISTENCY

For fixture-to-fixture color consistency, the light maintain less than 2 Standard Deviation Color Matching over life. 95% of the general population cannot distinguish any difference in the color of light that is <2 SDCM.

AURORA SPECTRAL DISTRIBUTION CURVE (SPD)

COLOR CONSISTENCY OVER LIFE
Less than 2 SDCM

AURORA
SPD at 4000K

AISPIRE retains the right to modify the design of our products at any time as part of the company's continuous improvement program.