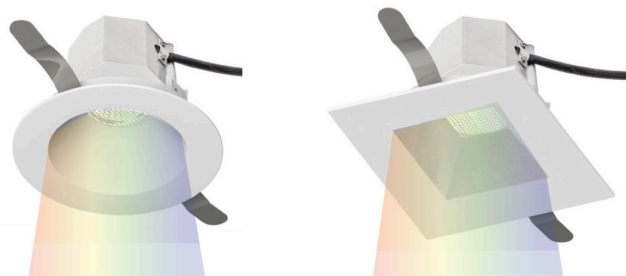


AURORA

A1RD-D461, A1RD-D561 3.5" Color Changing - Downlight Trim

AiSPIRE
A W A C C O M P A N Y



Fixture Type:

Catalog Number:

Project:

Location:

FINISHES



Haze



White



Black

Model	Beam	Delivered Lumens @ 3000K	CBCP @ 3000K	Controls	Color Temp	Finish
A1RD-D461 (Round Non-IC)	F 48° Flood	1020	1484	DMX	Color Changing	HZWT Haze/White WT White BKWT Black/White
A1RD-D561 (Square Non-IC)	F 48° Flood	1025	1519	DMX	Color Changing	HZWT Haze/White WT White BKWT Black/White
A1RD-D_61F-CC_--- Example: A1RD-D461F-CCWT						

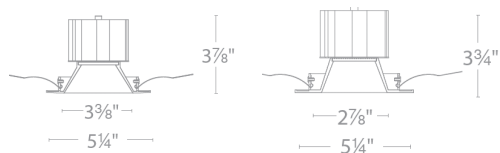
DESCRIPTION

The latest LED, Bluetooth, and DMX technology for precise color selection in a low profile downlight designed to fit in tight plenum spaces.

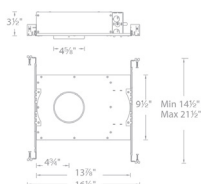
FEATURES

- Full color gamut control through gradients of saturated colors from 1-100%
- 3.5" trim aperture and 3.5" housing height
- 35° cut-off angle for downlight
- Bluetooth commissioning via ilumenight™ iOS App
- Tunable White (CCT) Range: 1650-8000K
- Sold as a complete unit; housing and trim included
- Rated Life of 50,000 hours at L70

LINE DRAWING



LINE DRAWING (HOUSING)

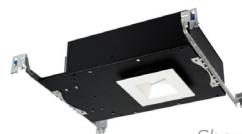


SPECIFICATIONS

Construction:	Die-cast aluminum trim with extruded aluminum heat sink
Input:	Universal Voltage 120V - 277V, 50/60 Hz
Power:	31W, Power Factor (PF): 0.98
Light Source:	High-Output, 2-Step MacAdam Ellipse Module, 90+ CRI
Control:	0-10V, 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 and Color via DMX, 0-10V, or Bluetooth Control
Mounting:	Retention clips firmly hold trim to housing Accommodates Ceiling Thickness of 1/2" - 1 1/2"
Finish:	Powder coated White and Black; Enamel coated Haze
Standards:	ETL & cETL Wet Location listed

HOUSING (Sold as complete unit)

New Construction, Airtight Housing



Shown with open square white trim

aispire.com
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Fax (800) 526.2585

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Port Washington, NY 11050

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1600 Distribution Ct
Lithia Springs, GA 30122

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1750 Archibald Avenue
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AURORA

Painting with Light – Full Visible Spectrum

AiSPIRE

A W A C C O M P A N Y

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?

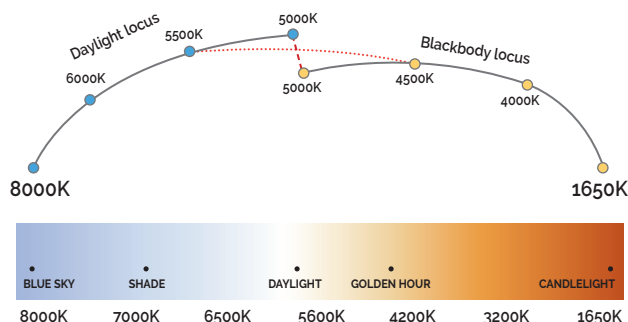
Until recently, all light – sunlight, firelight, candlelight, incandescent light – was full spectrum light. Full spectrum light contains all of the visible colors, and, like sunlight, renders colors naturally. Creating electric sunlight means that we needed to mix multiple colors (also known as channels)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



DYNAMIC DAYLIGHT

Blackbody to Daylight Curve



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.



LED DIMMING

100% - 0.1%

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Painting with Light – Full Visible Spectrum

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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.

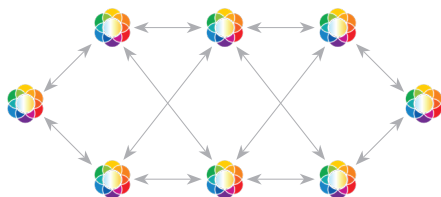


0 - 10V



COLOR CONSISTENCY

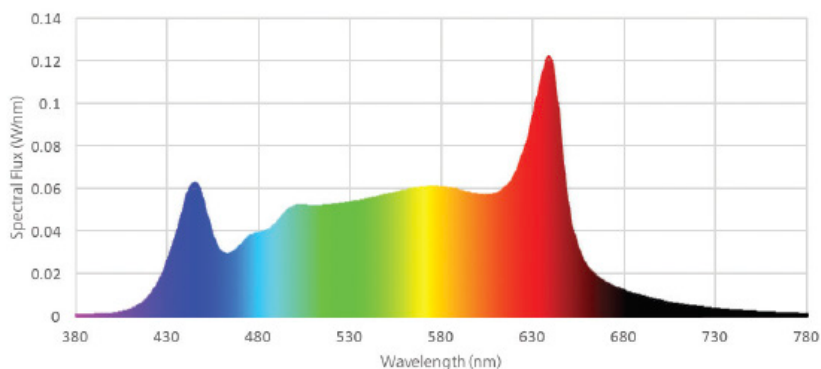
For fixture-to-fixture color consistency, the light maintain less than 2 Standard Deviation Color Matching over life. 95% of the general population cannot distinguish any difference in the color of light that is <2 SDCM.



COLOR CONSISTENCY OVER LIFE

Less than 2 SDCM

AURORA SPECTRAL DISTRIBUTION CURVE (SPD)



AURORA

SPD at 4000K

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