

araya[®] TUNABLE COLOR

COLOR IS HOW YOU LIGHT IT[®]

Araya recreates and controls light that emulates the spectral quality of daylight, and Araya accesses a rich gamut of pastels and saturated colors to unveil new design frontiers.



Kitchen: 1650 K



Kitchen: 4000 K



Kitchen: 6000 K



Bedroom and Bathroom: Violet



Bedroom: Lavender; Bathroom: 1650 K



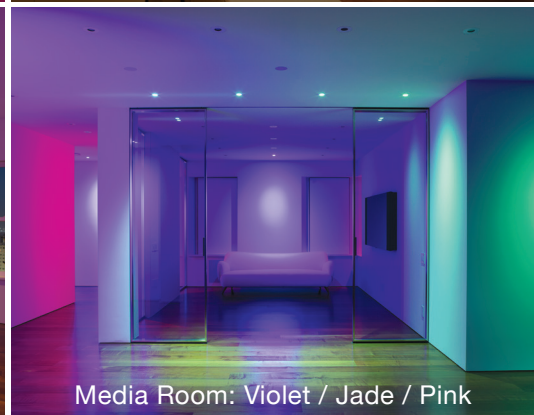
Bedroom and Bathroom: 2700 K



Living Room: Violet / Pink



Living Room: Magenta / Violet / 2700 K



Media Room: Violet / Jade / Pink

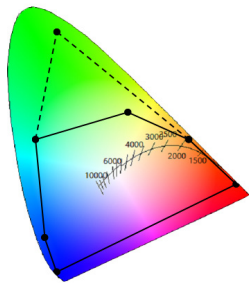
Private Residence in San Francisco. Fixtures by LF Illumination. DMX controls by Lutron[®]. Architect: Wesley Wei. Lighting Designer: Eve Quellan.

THE ARAYA BREAKTHROUGH

The replication and control of the range and beauty of daylight while ensuring color consistency from fixture-to-fixture over life, whether you use Tunable Color, Tunable White, LED Dimming or Halogen Dimming light paths. After all, **Color is How You Light It®**.

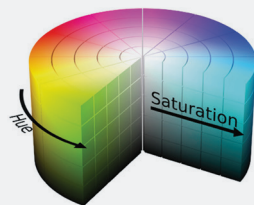
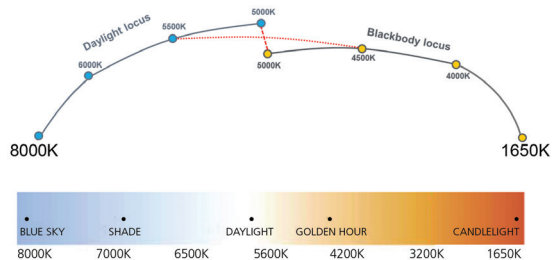


Spectral Quality of Daylight
90+ CRI



Saturated Green Option
Expanded Gamut

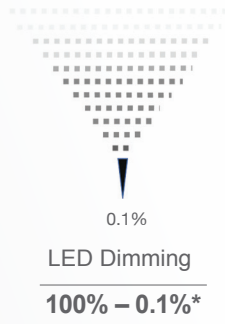
NATURAL DAYLIGHT EMULATION from sunrise through sunset—the light tracks the CIE Blackbody locus from 1650–4500 K and then smoothly transitions to the Daylight Curve to 8000 K.



Color Access
Pastels to Saturates

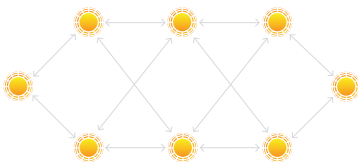
FULL COLOR ACCESS to millions of colors within the gamut area created by the LEDs in the CIE color space, enabling tailored light from shades of pastels to saturates.

E-FLICKER FREE LED DIMMING TO 0.1%*
is enabled by a proprietary hybrid technology that maintains color consistency while dimming.



Halogen Dimming
3050 K (100%) – 1800 K (1%)

TRADITIONAL DIMMING RECREATED
by emulating a halogen lamp from 3050 K at full brightness to 1800 K at 1%.



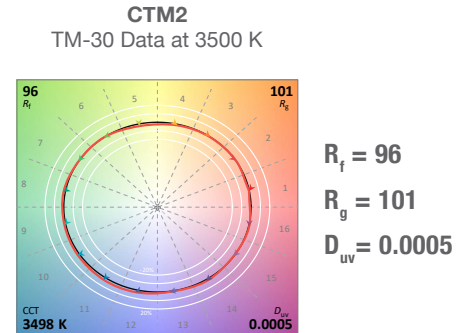
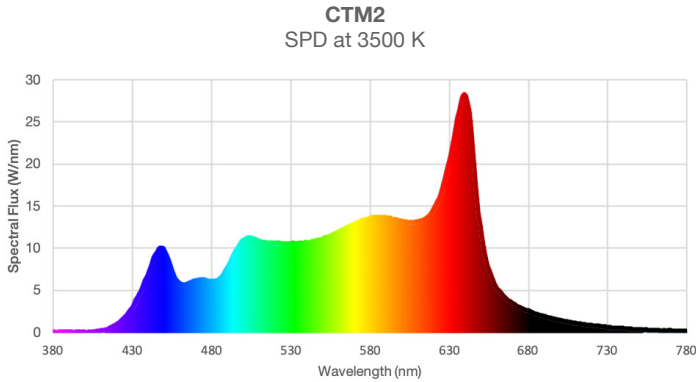
Color Consistency
Less than 2 SDCM

COLOR CONSISTENCY OF LESS THAN 2 SDCM
from fixture-to-fixture as verified by independent LM-84 testing—with on-board driver electronics and control logic for precise control of current and PWM.

THE DATA AND CONTROLS TELL THE STORY

TYPICAL SPD CURVE

TYPICAL TM-30 DATA



For additional color and performance information, please refer to erp-power.com.

COMMISSION AND CONTROL EFFORTLESSLY

DIGITAL - Araya is compatible with all industry-leading digital control systems.



Wattstopper® **XICATO®**



VANTAGE



CASAMBI

Bluetooth® FOR COMMISSIONING ONLY



ANALOG - Two 0–10 V lines 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 five 0–10 V presets or the Araya iOS App.



iOS - Used in conjunction with Digital or Analog controls, each light engine can be wirelessly commissioned and then the radio turns off for enhanced security.

CONTROL SYSTEM / PROTOCOL	DIMMING (100–0.1%)*	CCT			SAT	HUE
		CTM1C (1650–8000 K)	CTM1C-E (1700–8000 K)	CTM2, LTM2 (1650–8000 K)		
DMX512-A-RDM ¹	✓	✓	✓	✓	✓	✓
0–10 V	~1%	✓	✓	✓	**	**

*100–0.1% eFlicker-Free LED dimming is available for the ALM families (CTM2 and LTM2) when connected to 0.1% dimming-capable digital controls. 100–1% dimming is available for the CTM1C and CTM1C-E families, and for analog 0–10 V control.

** Two 0–10 V lines 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 five 0–10 V presets or the Araya iOS App.

1. Refer to the separate Araya DMX512-A Lookup Tables for specific programming values and information.

Individual product specifications may vary; please refer to technical product data sheets. Bluetooth LE is provided on board for commissioning purposes only.

SAME GREAT FEATURES ACROSS ALL PRODUCT FAMILIES



Spectral Quality of Daylight
90+ CRI



Broad Tuning Range
1650–8000 K



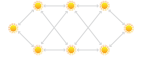
Color Access
Pastels to Saturates



Halogen Dimming
3050 K (100%) – 1800 K (1%)



LED Dimming
100% – 0.1%*



Color Consistency
Less than 2 SDCM

COLOR TUNING LIGHT ENGINES - ROUND



	CTM1C	CTM1C-E	CTM2
TUNABLE RANGE	1650–8000 K	1700–8000 K	1650–8000 K
PEAK DELIVERED LUMENS	550–2000	500–2000	1000–4300
NOMINAL WATTAGE (W)	12–35	8–35	18–60
CRI	90+ ¹	90+ ²	
COLOR GAMUT ACCESS	Yes		
DIMMING THRESHOLD	1%		0.1%*
COLOR ACCURACY	Less than 2 SDCM		
NOMINAL LES ³ (mm)	9, 12, 19		12, 19, 32
DIAMETER (mm)	50		50, 60
CONTROL OPTIONS	DMX512-A-RDM 0–10 V	DMX512-A-RDM 0–10 V	DMX512-A-RDM ⁴ 0–10 V

* 100–0.1% dimming is available when connected to 0.1% dimming-capable digital controls. 100–1% dimming is available with analog 0–10 V control..

1. From 2200–6000 K, down to 5% dimming level.

2. From 2200–6500 K, 100–10% dim.

3. Light Emitting Surface.

4. Requires optional control card.

Individual specifications may vary; please refer to technical product data sheets.

SAME GREAT FEATURES ACROSS ALL PRODUCT FAMILIES



Spectral Quality of Daylight
90+ CRI



Broad Tuning Range
1650–8000 K



Color Access
Pastels to Saturates



Halogen Dimming
3050 K (100%) – 1800 K (1%)



LED Dimming
100% – 0.1%*



Color Consistency
Less than 2 SDCM

COLOR TUNING LIGHT ENGINES - LINEAR



	LTM2
TUNABLE RANGE	1650–8000 K
PEAK DELIVERED LUMENS	1000 lm/ft
NOMINAL WATTAGE (W)	10 watts/ft
CRI	90+ ¹
COLOR GAMUT ACCESS	Yes
DIMMING THRESHOLD	0.1%*
COLOR ACCURACY	Less than 2 SDCM
LINEAR ARRAY LENGTH (in)	11, 22
LINEAR ARRAY WIDTH (mm)	24
LINEAR CONNECTOR POSITION	Bottom
LINEAR LED POSITION	Symmetrical
CONTROL OPTIONS	DMX512-A-RDM ² 0–10 V

* 100–0.1% dimming is available when connected to 0.1% dimming-capable digital controls. 100–1% dimming is available with analog 0–10 V control.

1. From 2200–6000 K, down to 5% dimming level.

2. Requires optional control card.

Individual specifications may vary; please refer to technical product data sheets.