

## CTM1C HD WI FAMILY ROUND LED COLOR TUNING LIGHT ENGINES



Spectral Quality of Daylight  
**90+ CRI**



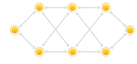
Broad Tuning Range  
**1650–8000 K**



Color Access  
**Pastels to Saturates**



LED Dimming  
**100% –0.1%**



Color Consistency Over Life  
**Less than 2 SDCM**



CTM1C 09 HD WI



CTM1C 19NR HD WI

Araya® CTM1C HD WI light engines mix five colors of LEDs across a tunable color range of 1650–8000 K. The light can be dimmed from 100–1%. The light engines deliver up to 1700 lm of light at 90+ CRI. Proprietary thermal and optical technologies ensure color consistency of <2 SDCM over the 50,000-hour rated life.

CTM1C HD WI can be connected to a BLE wireless interface dongle/harness, leveraging the patented Avi-on™ BLE Mesh platform to enable many-to-many device communication in a connected system “cloud”. The proprietary Avi-on mobile app is used for setting up the network, commissioning the various system components, grouping devices, creating associated schedules and scenes, and providing manual adjustment of color temperature and/or intensity.



Avi-on App  
iOS or Android



### COMMISSION AND CONTROL EFFORTLESSLY

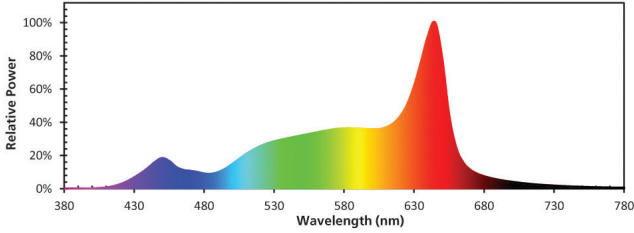
CONTROL SYSTEM / PROTOCOL	CTM1C HD WI (TUNABLE WHITE & TUNABLE COLOR CONTROL)				NOTES
	1 DIMMING	2 CCT	3 SATURATION	4 HUE	
AVI-ON WIRELESS BLE MESH <sup>1</sup>	0.1%	1650–8000 K	Yes	Yes	1. Requires BLE wireless interface dongle / harness.

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

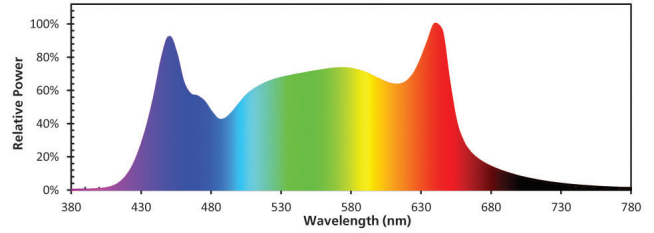
# THE CTM1C DATA TELLS THE STORY

## TYPICAL SPECTRAL POWER DISTRIBUTION (SPD) CURVES

CTM1C 19; 35 W  
SPD at 3000 K



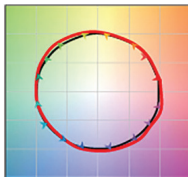
CTM1C 19; 35 W  
SPD at 5000K



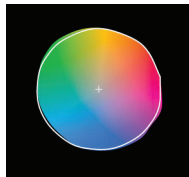
## TYPICAL TM-30 DATA

CTM1C 19; 35 W  
3000 K

Color Vector Graphic



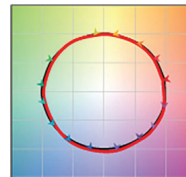
Color Saturation Graphic



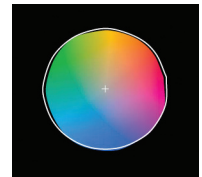
$R_f = 92$ ;  $R_g = 106$ ; CRI  $R_a = 93$

CTM1C 19; 35 W  
5000 K

Color Vector Graphic



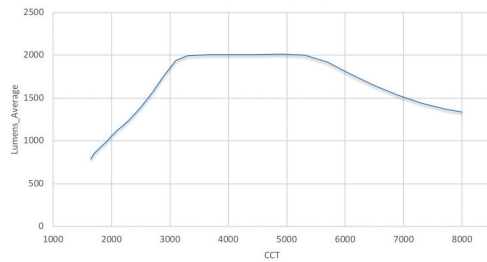
Color Saturation Graphic



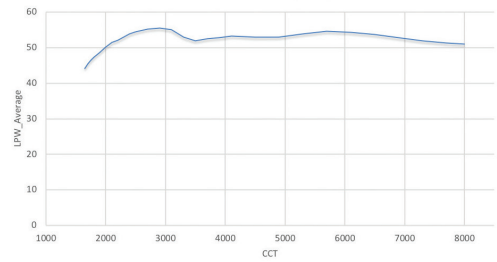
$R_f = 91$ ;  $R_g = 99$ ; CRI  $R_a = 95$

## TYPICAL PERFORMANCE GRAPHS

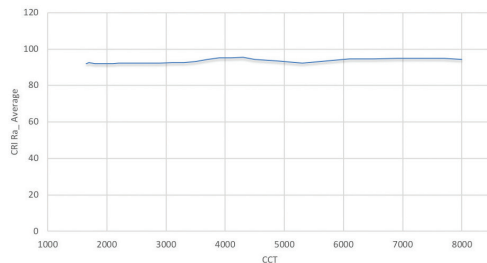
CTM1C 19; 35 W  
Average Lumens over CCT



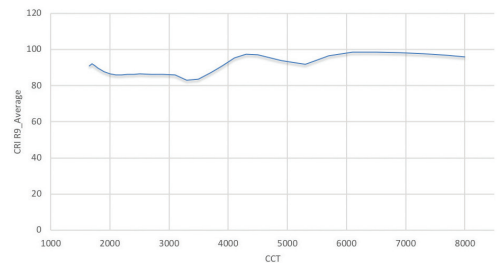
CTM1C 19; 35 W  
Average Efficacy (Lumens/Watt) over CCT



CTM1C 19; 35 W  
Average CRI Ra over CCT



CTM1C 19; 35 W  
Average CRI R9 over CCT



For additional color and performance data, please refer to [www.erp-power.com](http://www.erp-power.com). Specifications may be subject to change without notice.