

CTM1C WI FAMILY ROUND LED COLOR TUNING LIGHT ENGINES



Spectral Quality of Daylight
90+ CRI



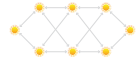
Broad Tuning Range
1650–8000 K



Color Access
Pastels to Saturates



LED Dimming
100% –0.1%



Color Consistency Over Life
Less than 2 SDCM



CTM1C19NR WI

Araya® CTM1C 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 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

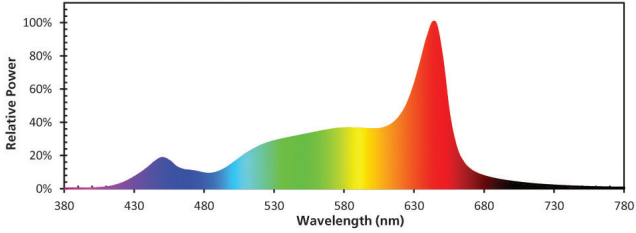
CONTROL SYSTEM / PROTOCOL	CTM1C WI (TUNABLE WHITE & TUNABLE COLOR CONTROL)				NOTES
	1 DIMMING	2 CCT	3 SATURATION	4 HUE	
AVI-ON WIRELESS BLE MESH ¹	0.1%	1650–8000 K	Yes	Yes	1. Requires BLE wireless interface dongle / harness.

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

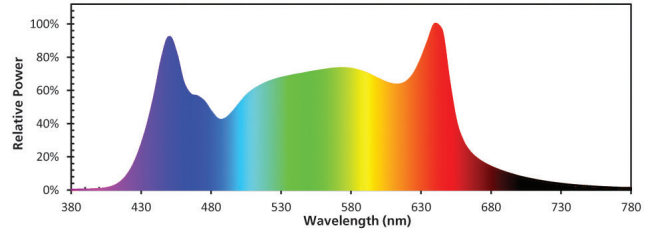
THE CTM1C DATA TELLS THE STORY

TYPICAL SPECTRAL POWER DISTRIBUTION (SPD) CURVES

CTM1C 19; 35 W
SPD at 3000 K



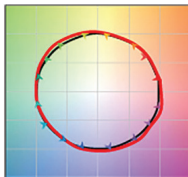
CTM1C 19; 35 W
SPD at 5000K



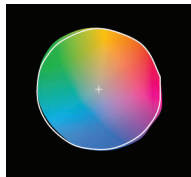
TYPICAL TM-30 DATA

CTM1C 19; 35 W
3000 K

Color Vector Graphic



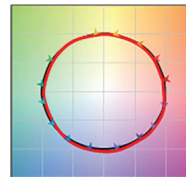
Color Saturation Graphic



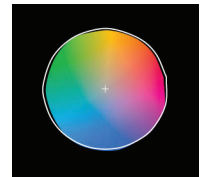
$R_f = 92$; $R_g = 106$; CRI $R_a = 93$

CTM1C 19; 35 W
5000 K

Color Vector Graphic



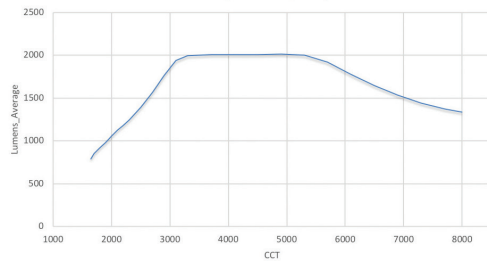
Color Saturation Graphic



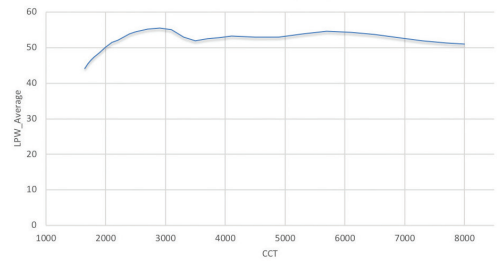
$R_f = 91$; $R_g = 99$; CRI $R_a = 95$

TYPICAL PERFORMANCE GRAPHS

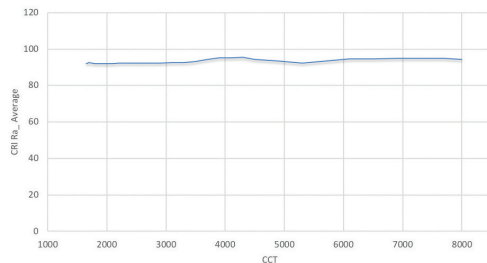
CTM1C 19; 35 W
Average Lumens over CCT



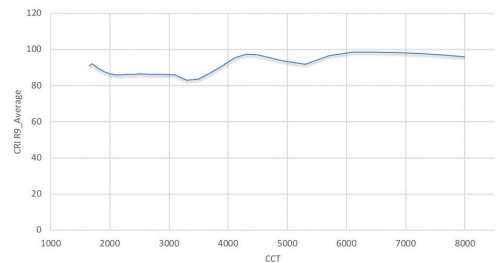
CTM1C 19; 35 W
Average Efficacy (Lumens/Watt) over CCT



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. Specifications may be subject to change without notice.