specialty lighting industries

The Core Family

Welcome to the Core line of fixtures. The family is filled with a rich diversity of options while keeping classic forms. This member of the family allows multiple combinations of wall wash orientations. Whether needing to simply double the light or wash adjacent or opposite walls, we suspect you will find the needed combination. With many source, driver, control and finish options, including wood, this wall wash delivers a 3.7:1 uniformity from top to bottom of the wall.

4"x9"- 2 Cell Adjustable
(WWL -Wall Wash/Wall Wash Left)
See below for all 5 possible configurations/orientations
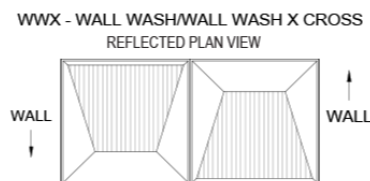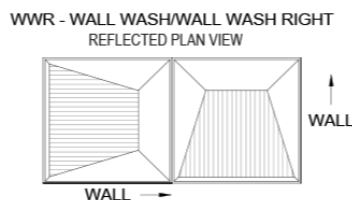
Key Points (CR4MWW-TMCF)

Trim

- 14 color options + custom RAL or wood available

- Plaster Mount allows installation from below with large plaster flange and lip

- Individual die cast aluminum or machined wood trim assembled to look as one continuous multi-cell fixture

Source / Optics

- Wall wash achieves a uniform 3.7:1 ratio from top to bottom of 10' wall

- Over 2000 lumens delivered with both cells and C28 source selection

- <2 MacAdam Steps (<2SDCM) for fixed white

- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional

- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, RGBW & Tunable White options

Housing

- 3 types of flangeless mounting options

- Heavy gauge aluminum for new construction or remodel

- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available

- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring

- c**CSP**us Listed – Damp

- TITLE 24 Compliant to JA8 with Airtight/IC Housing

Driver
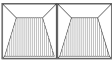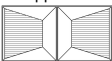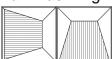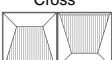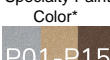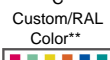
- TruPhase™ Dimming to 0.1% available

- Prewired and integral to housing

- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections

- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control

- Universal 120-277v

WWD - WALL WASH/WALL WASH DOUBLE
REFLECTED PLAN VIEW

4" [102 mm]   WALL
8" [203 mm]

WWO - WALL WASH/WALL WASH OPPOSITE
WALL →   REFLECTED PLAN VIEW
← WALL

WWL - WALL WASH/WALL WASH LEFT
REFLECTED PLAN VIEW
WALL
← WALL

WWR - WALL WASH/WALL WASH RIGHT
REFLECTED PLAN VIEW
WALL
WALL →

WWC - WALL WASH/WALL WASH CROSS
REFLECTED PLAN VIEW
WALL   WALL

WWX - WALL WASH/WALL WASH X CROSS
REFLECTED PLAN VIEW
WALL   WALL

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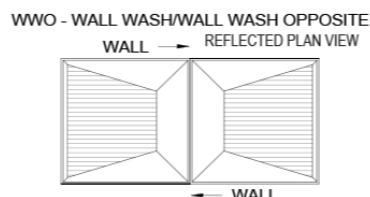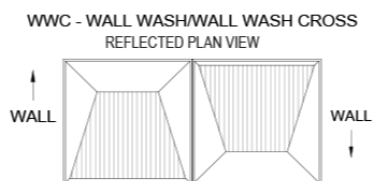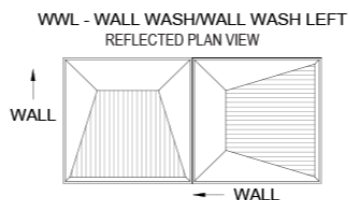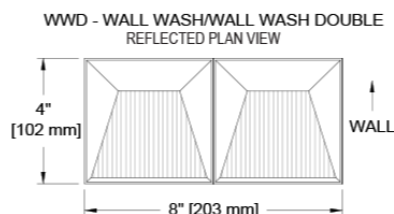Tel. 732.517.0800 | Fax 732.517.0971

Core 4" Rectangular Multiple Fixed Wall Wash - 2 Cell
Formerly known as 1240WW
Recessed Fixed Multiple Aperture (Cell)

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Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

Ordering Code Example: CR4MWW-TMCF-Z-AU-WWO-C20-35-LD-2C-P14-LR

FIXTURE	TRIM	MOUNTING	CONFIGURATION	SOURCE / WATTS	CCT	DRIVER / CONTROL	CIRCUITS	TRIM FINISH	ACCESSORIES
CR4MWW-TMCF									
Core 4" Rectangular Multiple Fixed Wall Wash - 2 Cell	**Z** Flangeless Trim	**U** Universal - Non IC **AU** ●● Universal IC/Airtight^ **P** Plaster - Non IC **AP** ●● Plaster IC/Airtight^ **PM** Panel Mount - Non IC **APM** ●● Panel Mount Airtight/IC^ ●● California Title 24 Compliant ^Not compatible with C28 source	**WWD** Wall Wash Double **WWO** Wall Wash Opposite **WWR** Wall Wash Right **WWL** Wall Wash Left **WWC** Wall Wash Cross **WWX** Wall Wash Xcross Note: Thumbnails are RCP view	**Citizen** **C14** ●● 15W 679Lm** 90+CRI, 60+R9 **C20** 21W 832Lm** 90+CRI, 60+R9 **C28** 30W* 1069Lm** 90+CRI, 60+R9 **Ambient Dim™** **A14** 15W 461Lm** 95+CRI, 90+R9 **A20** ●● 21W 858Lm 95+CRI, 90+R9 **Tunable** **T14** 90+CRI, 60+R9 *Tunable White* **T20** ●● 21W 1490Lm^ 90+CRI, 60+R9 *Tunable White* **RGBW** 90+CRI, 60+R9 ●● California Title 24 Compliant to JA8 * Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers. ** Based on single cell	**24** 2400K **27** 2700K **30** 3000K **35** 3500K **40** 4000K **Tunable** **TW1840** 1800-4000K Tunable White w/ E1, E2, E3, E4 **TW2765** 2700-6500K Tunable White w/ E1, E2, E3, E4 **RG1280** 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4* **Ambient Dim™** **2722*** 2700-2200K *A14 Only* **3019** 3000-1900K **3022 *** 3000-2200K *A14 Only*	**C1** 0-10 1.0%, UNV (120-277V) linear **C2** ELV/Triac 1.0%, (120V) linear **E1** 0-10 0.1%, UNV (120-277V) log **E2** DALI-2 0.1%, UNV (120-277V) log **E3** 0-10 0.1%, UNV (120-277V) linear **E4** ^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller *RGBW-DMX ^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS* **LD** Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1 **TR2** TruPhase™ 0.1%, (100-277V) linear Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only * Not compatible with C28	**1C** 1 Circuit **2C** 2 Circuit	**W** White Paint **B** Black Paint **D** Wood* **PXX** Specialty Paint Color* P01-P15 **C** Custom/RAL Color** * Wood "D" selection to be used with Z trim and PM mounting - Refer to Wood Trim Guide ** Refer to Finish Guide FINISH GUIDE LINK WOOD TRIM GUIDE	**EM** Emergency Pack **CP** Chicago Plenum **Controls** **LR** Lutron Wireless RF PowPak **ATH** Lutron Athena Wireless Node *Must be used with E2 driver* **CA** Casambi Wireless BLE to be paired with driver

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Core 4" Rectangular Multiple Fixed Wall Wash - 2 Cell

Formerly known as 1240WW
Recessed Fixed Multiple Aperture (Cell)
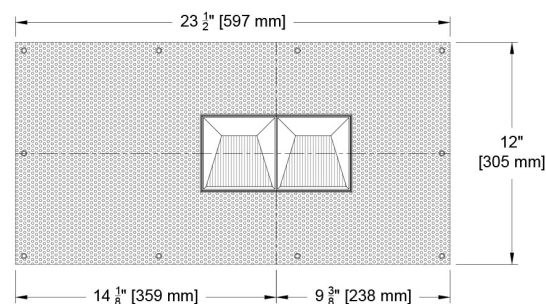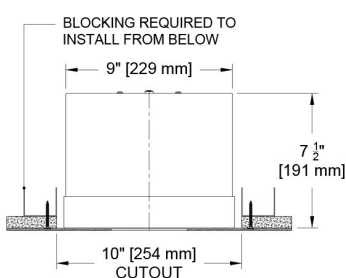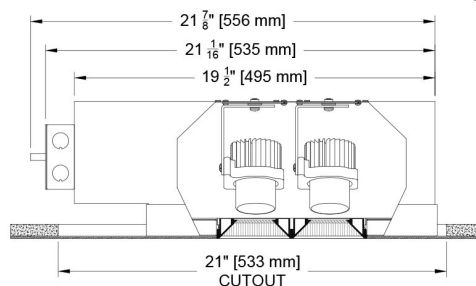
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Ceiling Cutouts and Dimensions

Wall Wash Double configuration is shown. All other configurations exhibit the same cutouts and dimensions.
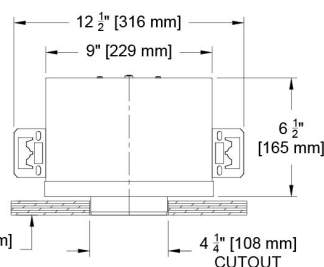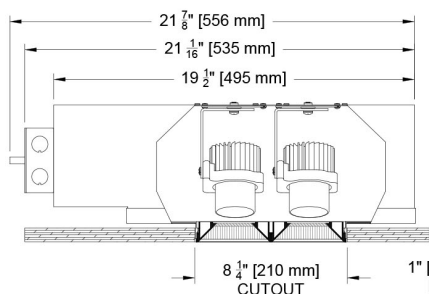
2 Cell Flangeless Housing — Plaster Mount (P/AP)

(CR4MWW-TMCF-2-Z-P/AP)

- 21 7/8" [556 mm]
- 21 1/16" [535 mm]
- 19 1/2" [495 mm]
- 21" [533 mm] CUTOUT

BLOCKING REQUIRED TO INSTALL FROM BELOW
- 9" [229 mm]
- 7 1/2" [191 mm]
- 10" [254 mm] CUTOUT

- 23 1/2" [597 mm]
- 12" [305 mm]
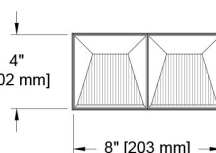- 14 1/8" [359 mm]
- 9 3/8" [238 mm]

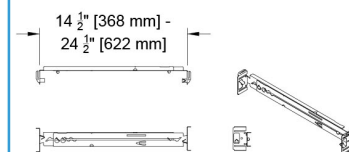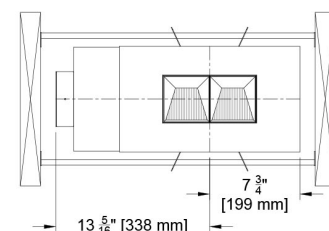## 2 Cell Flangeless Housing — Flangeless Mount (U/AU)

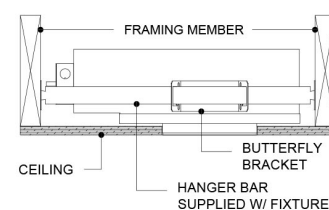(CR4MWW-TMCF-2-Z-U/AU)

NOTE: This option is intended for use with precise and finished cutouts. There is no plaster or finish flange.

- 21 7/8" [556 mm]
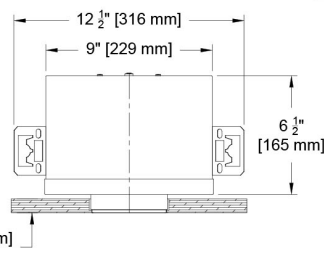- 21 1/16" [535 mm]
- 19 1/2" [495 mm]
- 8 1/4" [210 mm] CUTOUT
- 1" [25 mm] MAX

- 12 1/2" [316 mm]
- 9" [229 mm]
- 6 1/2" [165 mm]
- 4 1/4" [108 mm] CUTOUT

- 4" [102 mm]
- 8" [203 mm]

Hanger Bar Detail

FRAMING MEMBER
CEILING
BUTTERFLY BRACKET
HANGER BAR SUPPLIED W/ FIXTURE

- 7 3/4" [199 mm]
- 13 5/16" [338 mm]
- 14 1/2" [368 mm] - 24 1/2" [622 mm]

2 Cell Flangeless Housing — Panel Mount (PM/APM)

(CR4MWW-TMCF-2-Z-PM/APM)
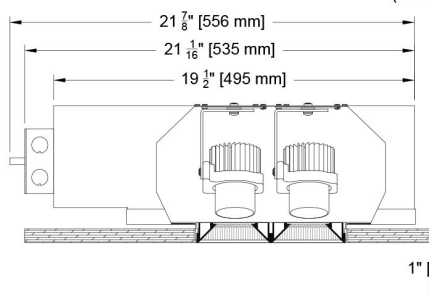
NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.
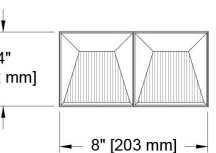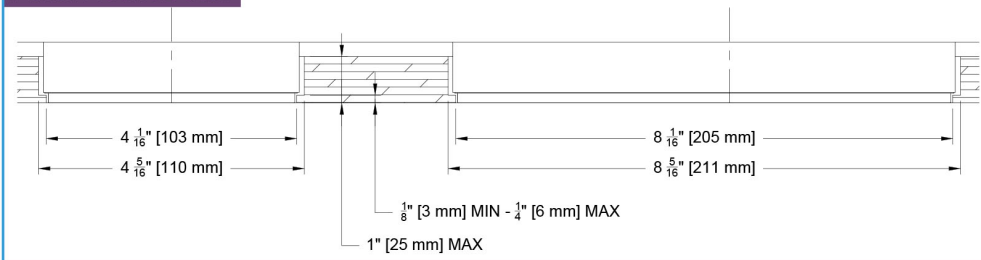
- 21 7/8" [556 mm]
- 21 1/16" [535 mm]
- 19 1/2" [495 mm]

- 12 1/2" [316 mm]
- 9" [229 mm]
- 6 1/2" [165 mm]
- 1" [25 mm] MAX

- 4" [102 mm]
- 8" [203 mm]

Panel Mount Detail

- 4 1/16" [103 mm]
- 4 5/16" [110 mm]
- 8 1/16" [205 mm]
- 8 5/16" [211 mm]
- 1/8" [3 mm] MIN - 1/4" [6 mm] MAX
- 1" [25 mm] MAX

Core 4" Rectangular Multiple Fixed Wall Wash - 2 Cell
Formerly known as 1240WW
Recessed Fixed Multiple Aperture (Cell)

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Photometric Table

All data is based from goniometer measurements of production representative single cell fixture. Multiple cells will deliver additional light and will need to be accounted for along with selected orientation individually in calculations. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT
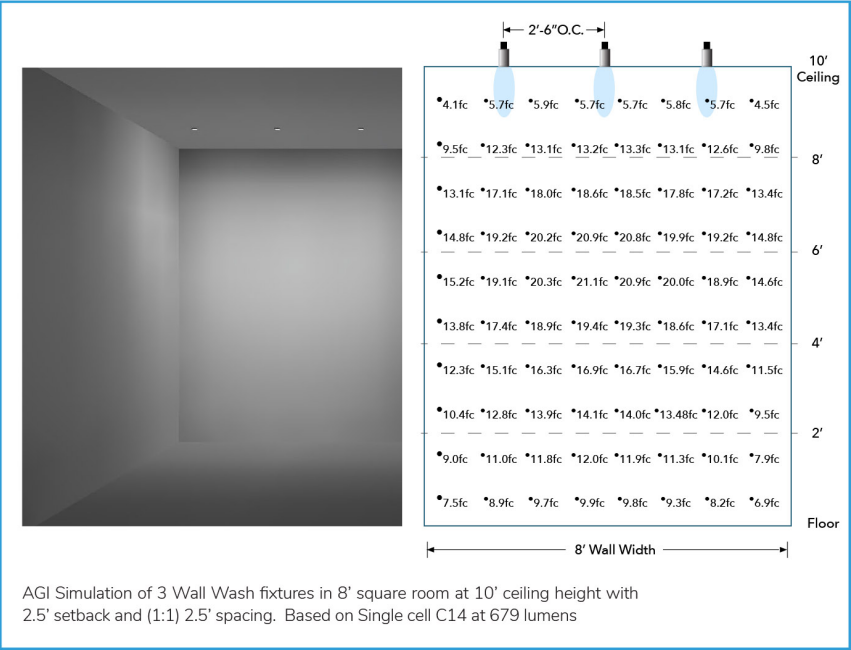
SQUARE Wall Wash (CR4WW-TMCF)

Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt
Citizen C14	14	679	49
Citizen C20	21	832	40
Citizen C28*	30	1069	35
Ambient Dim A14	15	461	31

CCT Multiplier

CCT	Citizen
2700	0.95
3000	1.00
3500	1.02
4000	1.03

All measurements are delivered or derived delivered lumens at 3000k . For other CCTs use the following multipliers: 2700 - 0.95, 3500 - 1.02, 4000, 1.03. Values are based on a single head Core 4" square wall wash (CR4WW-SF). Multiple heads will deliver more light and will need to be accounted for individually in calculations. Ambient Dim measured at full output.*C28 requires active cooling and NIC housing
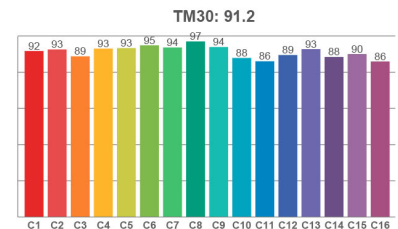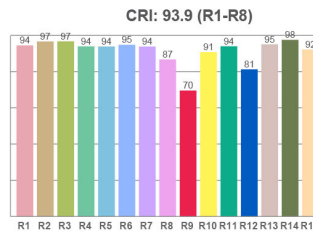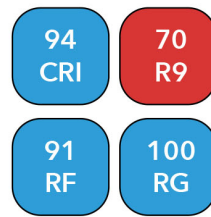
35.6°

AGI Simulation of 3 Wall Wash fixtures in 8' square room at 10' ceiling height with 2.5' setback and (1:1) 2.5' spacing. Based on Single cell C14 at 679 lumens

2'-6"O.C.

10' Ceiling

4.1fc	5.7fc	5.9fc	5.7fc	5.7fc	5.8fc	5.7fc	4.5fc	
9.5fc	12.3fc	13.1fc	13.2fc	13.3fc	13.1fc	12.6fc	9.8fc	8'
13.1fc	17.1fc	18.0fc	18.6fc	18.5fc	17.8fc	17.2fc	13.4fc	
14.8fc	19.2fc	20.2fc	20.9fc	20.8fc	19.9fc	19.2fc	14.8fc	6'
15.2fc	19.1fc	20.3fc	21.1fc	20.9fc	20.0fc	18.9fc	14.6fc	
13.8fc	17.4fc	18.9fc	19.4fc	19.3fc	18.6fc	17.1fc	13.4fc	4'
12.3fc	15.1fc	16.3fc	16.9fc	16.7fc	15.9fc	14.6fc	11.5fc	
10.4fc	12.8fc	13.9fc	14.1fc	14.0fc	13.48fc	12.0fc	9.5fc	2'
9.0fc	11.0fc	11.8fc	12.0fc	11.9fc	11.3fc	10.1fc	7.9fc	
7.5fc	8.9fc	9.7fc	9.9fc	9.8fc	9.3fc	8.2fc	6.9fc	Floor

← 8' Wall Width →

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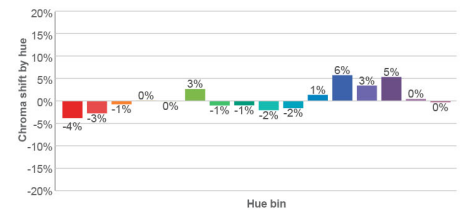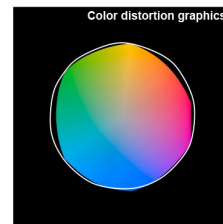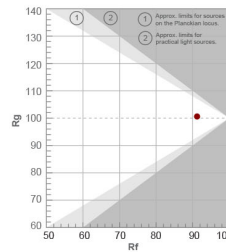
specialty
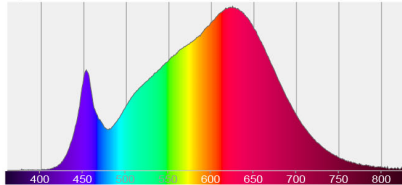lighting industries

Color Data

All data is based from goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT.

Citizen Sources for C14, C20 and C28

- <2 MacAdam Ellipse (<2 SDCM)
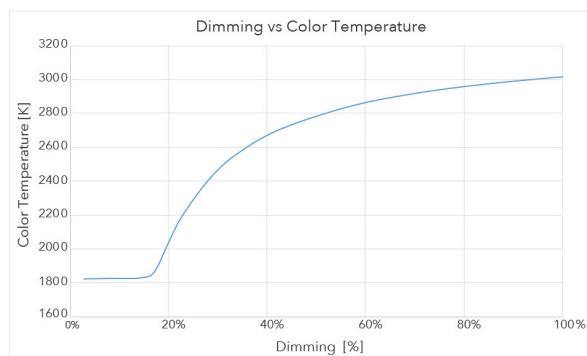- 90+ CRI and RF
- 60+R9, Hue Bin 1

94 CRI   **70 R9**   **91 RF**   **100 RG**

CRI: 93.9 (R1-R8)

TM30: 91.2

Spectra

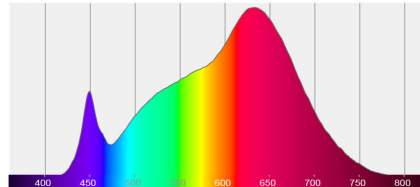Color distortion graphics

Chroma shift by hue

Ambient Dim 3000k to 1900k

- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
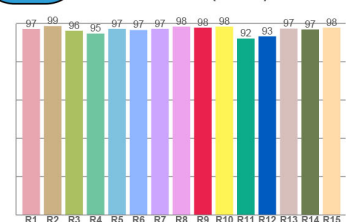- 90+R9, Hue Bin 1
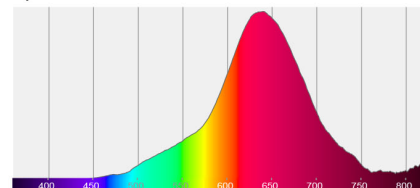- Follows Black Body Locus through dimming range

3000 CCT Full Output

97 CRI   **98 R9**   **95 RF**   **104 RG**

Spectra

CRI: 96.9 (R1-R8)

1850 CCT 5% Output

93 CRI   **72 R9**   **83 RF**   **110 RG**

Spectra

CRI: 92.6 (R1-R8)

Dimming vs Color Temperature

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