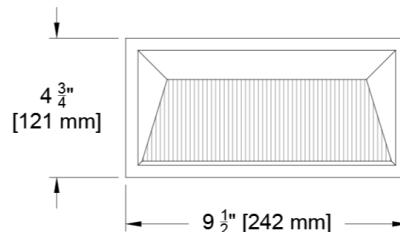
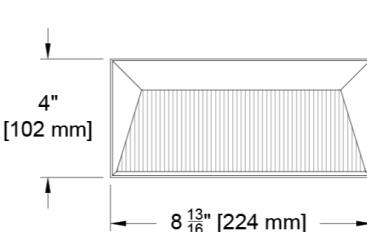
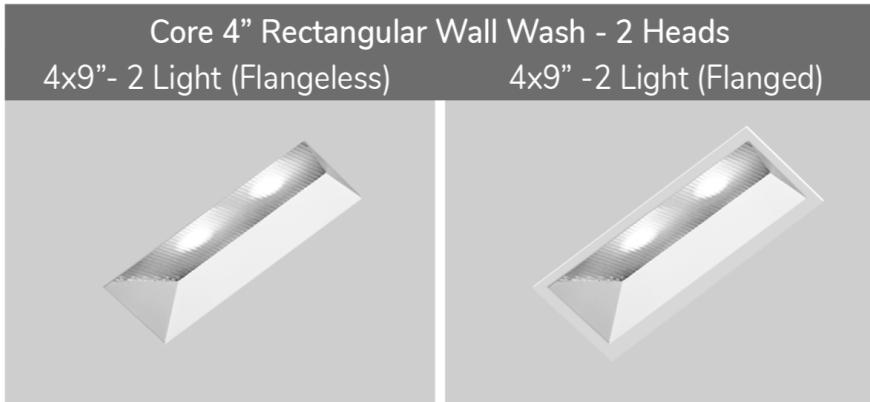


The Core Family

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 deploys 2 heads to increase the amount of washing light. Let us know if you need 3 heads - we can do as a modification. This version is equipped with adjustable heads if a field tweak is required. 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.



PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR4MWW-TMHA)

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 contiguous multi cell fixture

Source / Optics

- Wall wash achieves a uniform 3.7:1 ratio from top to bottom of 10' wall
- Adjustable with 45° tilt and 360° rotation
- Over 4000 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, Tunable White and RGBW options available

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

-   Listed – Damp

-  Compliant to  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

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4MWW-TMHA-Z-AU-C20-35-LD-2C-P16-LR

Fixture	Trim	Mounting	Source / Watts	CCT	Driver / Control	Circuits	Trim Finish	Accessories
CR4MWW-TMHA	<p>F Flanged Trim</p> <p>Z Flangeless Trim</p> <p>U Universal - Non IC</p> <p>AU Universal IC/Airtight[^]</p> <p>P Plaster - Non IC</p> <p>AP Plaster IC/Airtight[^]</p> <p>PM Panel Mount - Non IC</p> <p>APM Panel Mount Airtight/IC[^]</p> <p>California Title 24 Compliant</p> <p>[^]Cannot be used with C28 source</p>	<p>Citizen</p> <p>C14 15W 679Lm** 90+CRI, 60+R9</p> <p>C20 21W 832Lm** 90+CRI, 60+R9</p> <p>C28 30W* 1069Lm** 90+CRI, 60+R9</p> <p>Ambient Dim™</p> <p>A14 15W 461Lm** 95+CRI, 90+R9</p> <p>A20 21W 858Lm 95+CRI, 90+R9</p> <p>Tunable</p> <p>T14 90+CRI, 60+R9 Tunable White</p> <p>T20 21W 1490Lm[^] 90+CRI, 60+R9 Tunable White</p> <p>RGBW 90+CRI, 60+R9</p> <p>California Title 24 Compliant to JA8.</p> <p>* Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers.</p> <p>** Based on single head.</p>	<p>24 2400K</p> <p>27 2700K</p> <p>30 3000K</p> <p>35 3500K</p> <p>40 4000K</p> <p>2722 * 2700-2200K *A14 Only</p> <p>3019 3000-1900K</p> <p>3022 * 3000-2200K *A14 Only</p> <p>TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4</p> <p>TW2765 2700-6500K Tunable White w/ E1, E2, E3, E4</p> <p>RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4</p>	<p>C1 0-10 1.0%, UNV (120-277V) linear</p> <p>C2 ELV/Triac 1.0%, (120V) linear</p> <p>E1 0-10 0.1%, UNV (120-277V) log</p> <p>E2 DALI-2 0.1%, UNV (120-277V) log</p> <p>E3 0-10 0.1%, UNV (120-277V) linear</p> <p>E4[^] DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX</p> <p>[^] INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS</p> <p>LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1</p> <p>TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only</p> <p>* Not compatible with C28 source</p>	<p>1C 1 Circuit</p> <p>2C 2 Circuit</p>	<p>W White Paint</p> <p>B Black Paint</p> <p>D Wood*</p> <p>PXX Specialty Paint Color*</p> <p>P01-P15</p> <p>C Custom/RAL Color**</p>	<p>EM Emergency Pack</p> <p>CP Chicago Plenum Controls</p> <p>LR Lutron Wireless RF PowPak</p> <p>ATH Lutron Athena Wireless Node Must be used with E2 driver</p> <p>CA Casambi Wireless BLE to be paired with driver</p>	

* Wood "D" selection to be used with Z trim and PM mounting - Refer to Wood Trim Guide

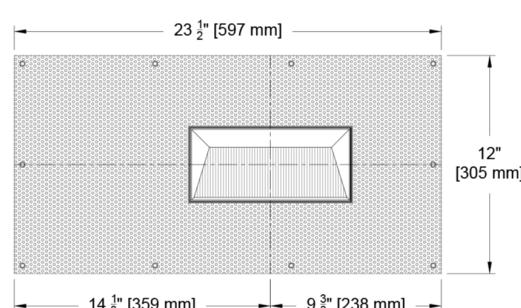
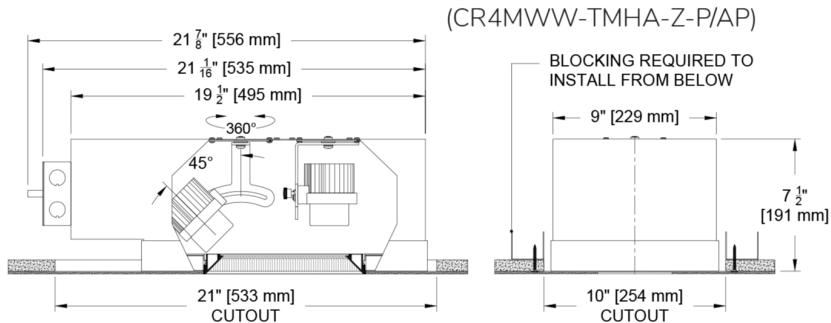
** Refer to Finish Guide



Ceiling Cutouts and Dimensions

2 Head Flangeless Housing

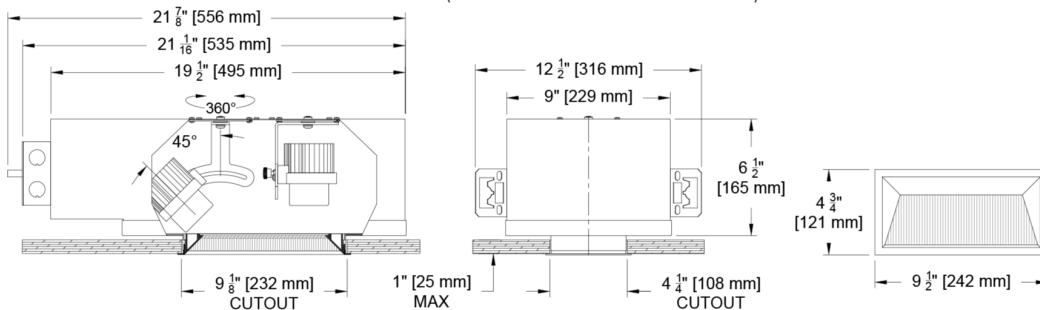
Plaster Mount (P/AP)



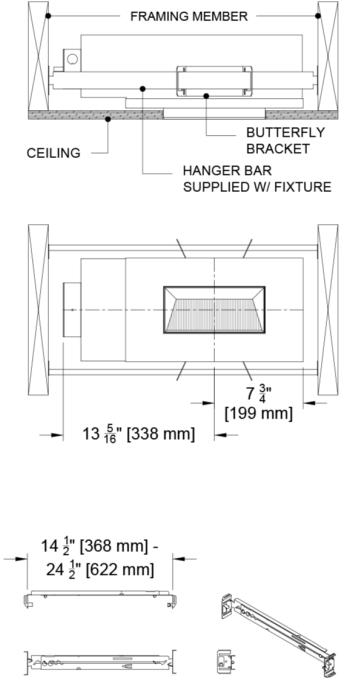
2 Head Flanged Housing

Flanged Mount (U/AU)

(CR4MWW-TMHA-F-U/AU)



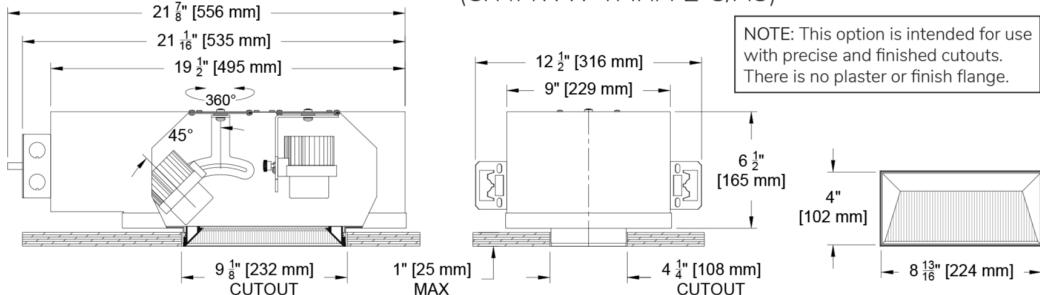
Hanger Bar Detail



2 Head Flangeless Housing

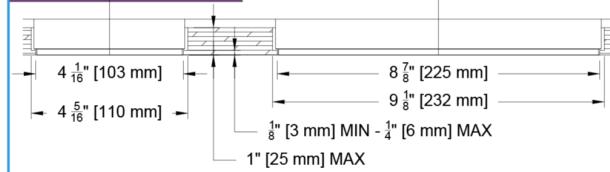
Flangeless Mount (U/AU)

(CR4MWW-TMHA-Z-U/AU)



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

Panel Mount Detail

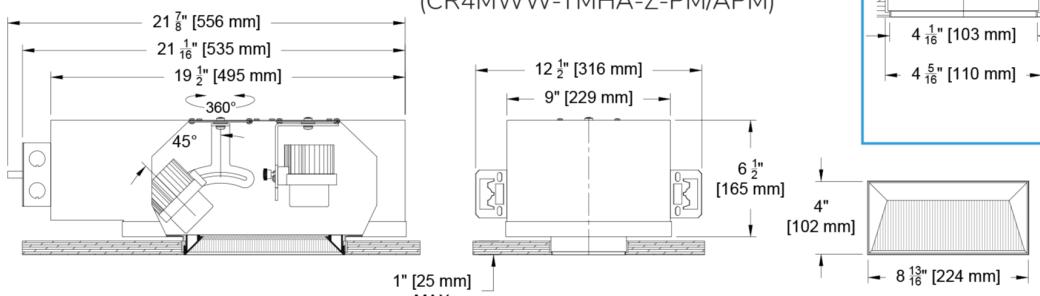


NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

2 Head Flangeless Housing

Panel Mount (PM/APM)

(CR4MWW-TMHA-Z-PM/APM)

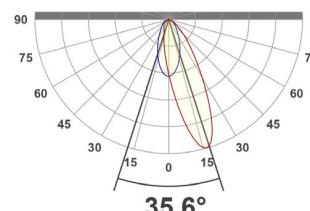
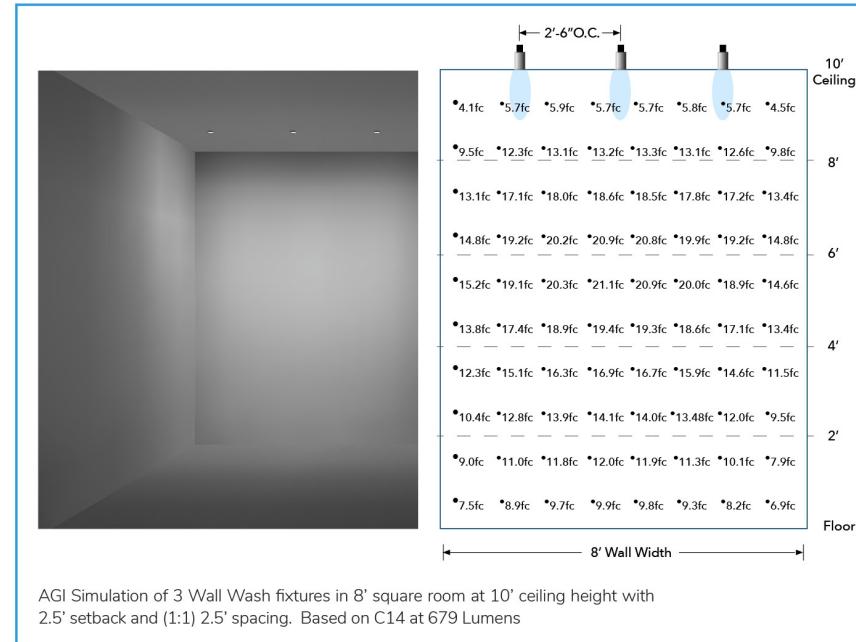


Photometric Table

All data is based from goniometer measurements of production representative single head fixture. Multiple heads will deliver additional light and will need to be accounted for individually in calculations. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT

SQUARE Wall Wash (CR4WW-SF)			
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		

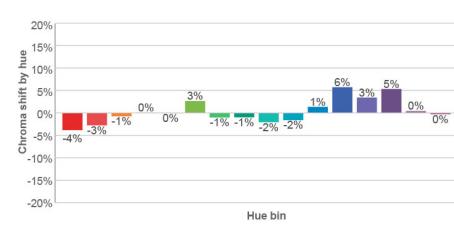
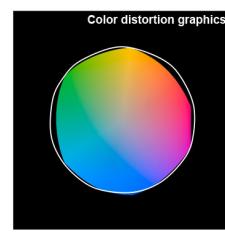
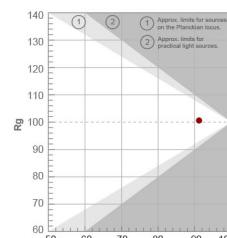
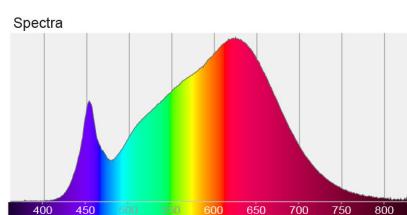
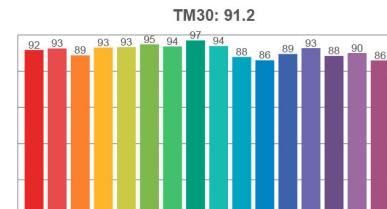
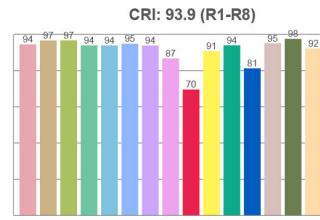
All measurements are delivered or derived delivered lumens at 3000K. For other CCTs use the following multipliers: 2700 - 0.95, 3500 - 1.02, 4000, 1.03. Values are based on a single head Core 4" square wall wash (CR4WW-SF). Multiple heads will deliver more light and will need to be accounted for individually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

Color Data

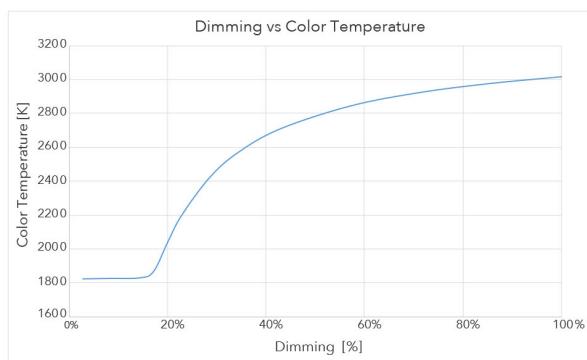
Citizen Sources for C14, C20 and C28

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

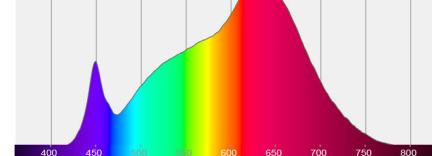
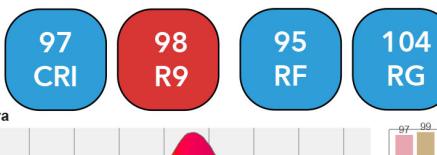


Ambient Dim 3000k to 1900k

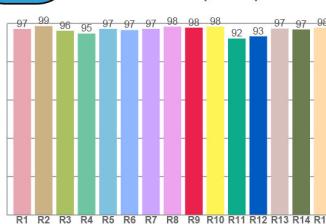
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



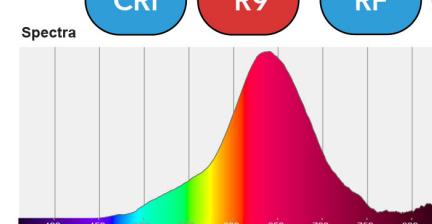
3000 CCT Full Output



CRI: 96.9 (R1-R8)



1850 CCT 5% Output



CRI: 92.6 (R1-R8)

