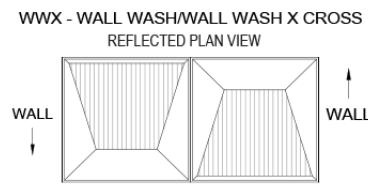
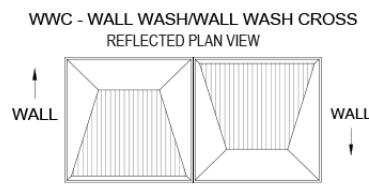
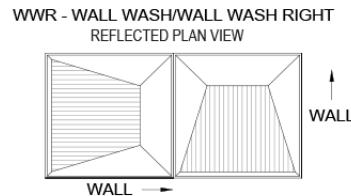
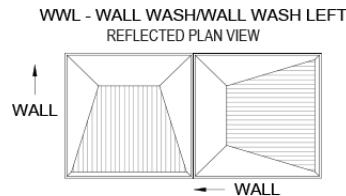
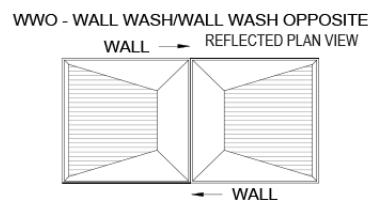
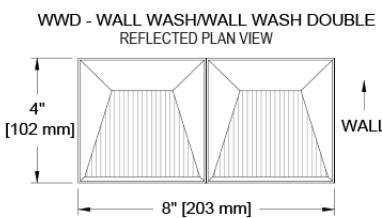


The Core Family

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. 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-TMCA)

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 358° 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, 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
-  cETLus Listed – Damp
-  Compliant to  with Airtight/IC Housing

Driver And Control

- TruPhase™ Dimming to 0.1% available
- Pre wired 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-TMCA-Z-AU-WWO-C20-35-LD-2C-P14-LR

Fixture	Trim	Mounting	Configuration	Source / Watts	CCT	Driver / Control	Circuits	Trim Finish	Accessories																																																																																																																								
CR4MWW-TMCA	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 *Precision cutout required ^Cannot be used 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 <table> <tr><td>C14</td><td> </td><td>15W</td><td>679Lm**</td><td>90+CRI, 60+R9</td><td>24</td><td>2400K</td><td>C1 1.0%, UNV (120-277V) linear</td><td>1C 1 Circuit</td><td>W White Paint</td></tr> <tr><td>C20</td><td></td><td>21W</td><td>832Lm**</td><td>90+CRI, 60+R9</td><td>27</td><td>2700K</td><td>C2 ELV/Triac 1.0%, (120V) linear</td><td>2C 2 Circuit</td><td>B Black Paint</td></tr> <tr><td>C28</td><td></td><td>30W</td><td>1069Lm**</td><td>90+CRI, 60+R9</td><td>30</td><td>3000K</td><td>E1 0-10 0.1%, UNV (120-277V) log</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>35</td><td>3500K</td><td>E2 DALI-2 0.1%, UNV (120-277V) log</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>40</td><td>4000K</td><td>E3 0-10 0.1%, UNV (120-277V) linear</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>2722 *</td><td>2700-2200K *A14 Only</td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>3019</td><td>3000-1900K</td><td>E4 ^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>3022 *</td><td>3000-2200K *A14 Only</td><td>^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>TW1840</td><td>1800-4000K Tunable White w/ E1, E2, E3, E4</td><td>LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>T14</td><td>90+CRI, 60+R9 Tunable White</td><td>TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>T20</td><td> 21W 1490Lm^ 90+CRI, 60+R9 Tunable White</td><td>RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>* Not compatible with C28</td><td></td><td></td></tr> </table> <p>* Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers. ** Based on single cell.</p> <p> California Title 24 Compliant to JA8.</p>	C14		15W	679Lm**	90+CRI, 60+R9	24	2400K	C1 1.0%, UNV (120-277V) linear	1C 1 Circuit	W White Paint	C20		21W	832Lm**	90+CRI, 60+R9	27	2700K	C2 ELV/Triac 1.0%, (120V) linear	2C 2 Circuit	B Black Paint	C28		30W	1069Lm**	90+CRI, 60+R9	30	3000K	E1 0-10 0.1%, UNV (120-277V) log								35	3500K	E2 DALI-2 0.1%, UNV (120-277V) log								40	4000K	E3 0-10 0.1%, UNV (120-277V) linear								2722 *	2700-2200K *A14 Only									3019	3000-1900K	E4 ^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX								3022 *	3000-2200K *A14 Only	^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS								TW1840	1800-4000K Tunable White w/ E1, E2, E3, E4	LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1								T14	90+CRI, 60+R9 Tunable White	TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only								T20	21W 1490Lm^ 90+CRI, 60+R9 Tunable White	RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4										* Not compatible with C28			2400K 3000K 3500K 4000K 2700-2200K *A14 Only 3000-1900K 3000-2200K *A14 Only 1800-4000K Tunable White w/ E1, E2, E3, E4 90+CRI, 60+R9 Tunable White 21W 1490Lm^ 90+CRI, 60+R9 Tunable White 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4	C1 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 LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1 TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4	1C 1 Circuit 2C 2 Circuit	W White Paint B Black Paint D Wood* PXX Specialty Paint Color* P01-P15 C Custom/RAL Color**	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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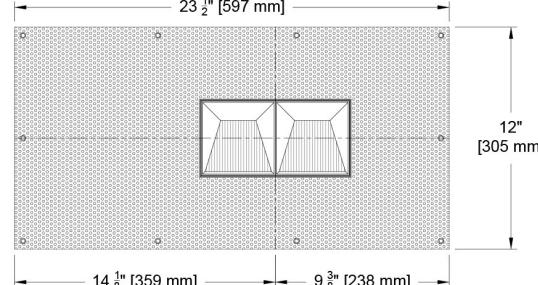
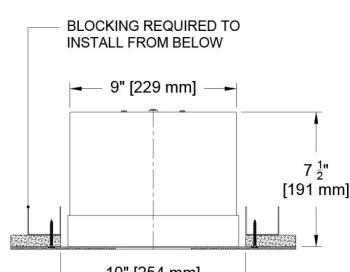
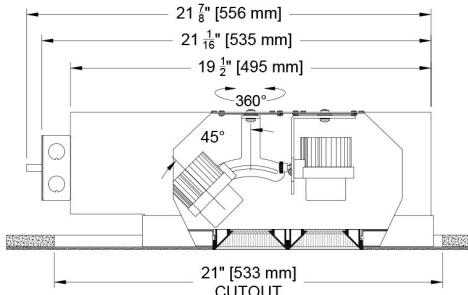


Ceiling Cutouts and Dimensions

2 Cell Flangeless Housing

Plaster Mount (P/AP)

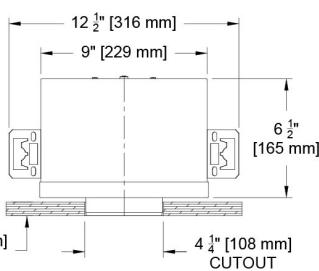
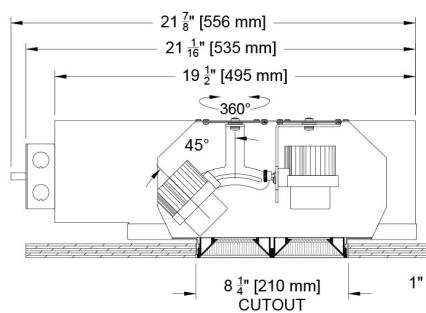
(CR4MWW-TMCA-2-Z-P/AP)



2 Cell Flangeless Housing

Flangeless Mount (U/AU)

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

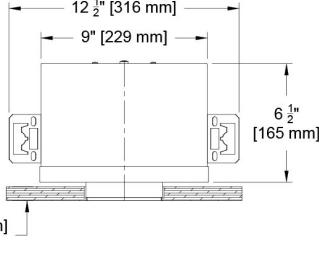
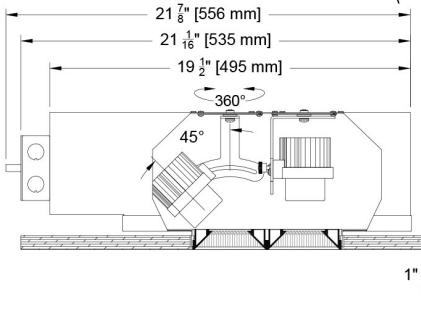


NOTE: This option is intended for use with precise and finished cutouts. There is no plaster or finish flange.

2 Cell Flangeless Housing

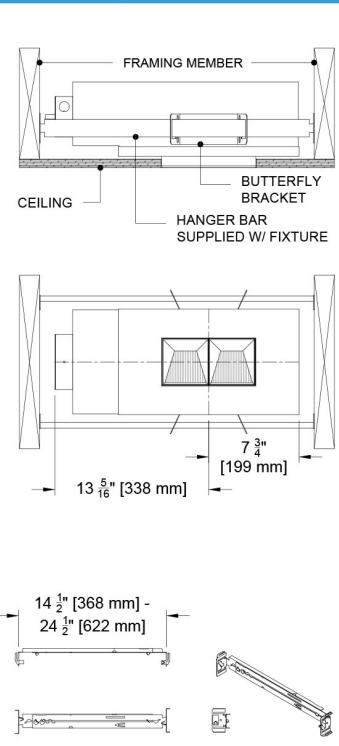
Panel Mount (PM/APM)

(CR4MWW-TMCA-2-Z-PM/APM)

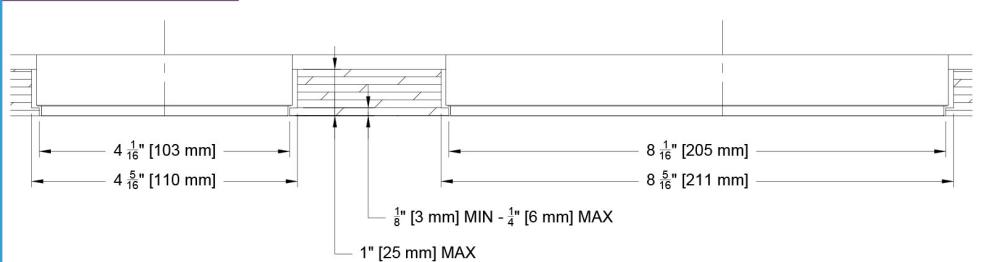


NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

Hanger Bar Detail



Panel Mount Detail



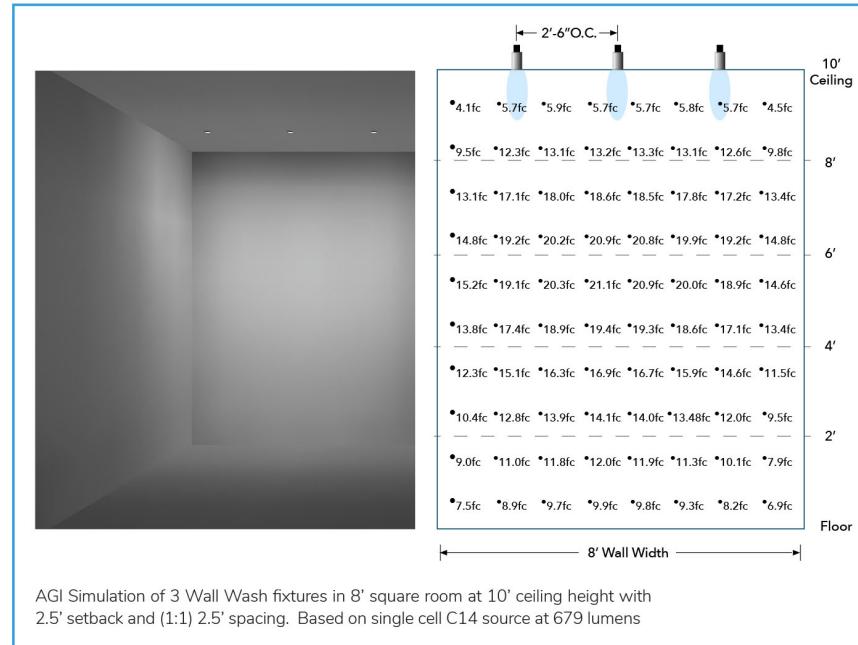
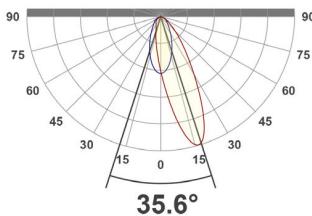
Photometric Table

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 individually, including selected orientation, in calculations. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT

RECTANGULAR (2 Cell) Wall Wash (CR4WW-TMCA)			
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
CCT	Citizen		
2700	0.95		
3000	1.00		
3500	1.02		
4000	1.03		

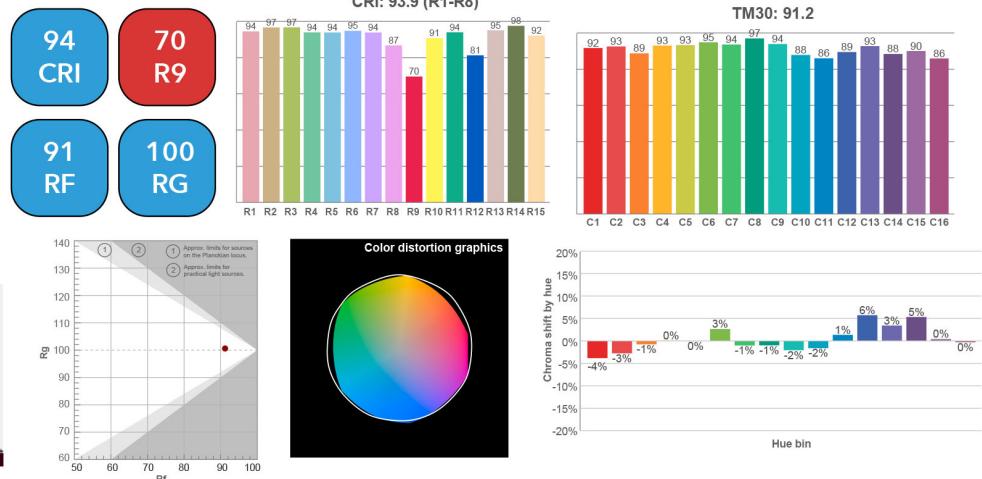
All measurements are delivered or derived delivered lumens at 3000k. For other CCTs use the following multipliers: 2700 - 0.95, 3500 - 1.02, 4000, 1.03. Values are based on a single head Core 4" square wall wash (CR4WW-SF). Multiple heads will deliver more light and will need to be accounted for individually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



Color Data

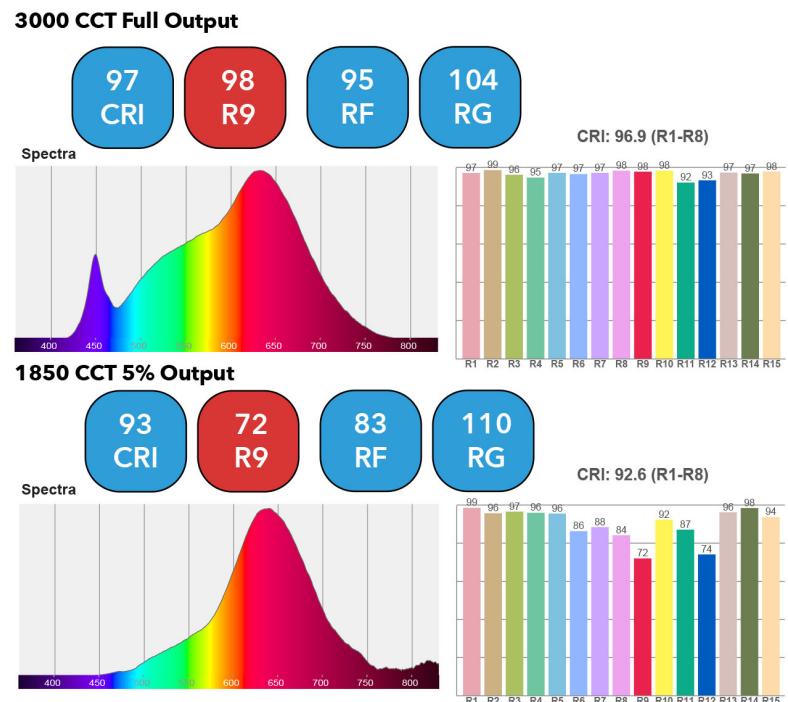
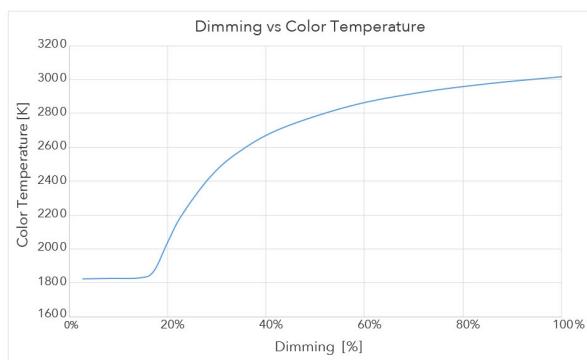
Citizen Sources for C14, C20 and C28

- <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



Tunable White and RGBW

Color and flux information available upon request