

Core 4" Square Double Wall Wash - (102mm - 8" on center)

Formerly known as 1240WW-2MDL
Recessed Fixed Multiple Aperture



The Core Family

When one wall wash is not enough, you can make it a double. Need more light, or savings on installation costs, this 8" on center dual aperture fixture delivers a rich diversity of technical and aesthetic options including field configurable wall wash orientations for adjacent or opposite walls, over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), a 3.7:1 uniformity ratio from top to bottom of wall and a plethora of driver and control choices. The Core Wall Wash is created on a platform allowing a high degree of modification, so if you don't see what you are looking for, just ask for it.

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR4MWW-SMDL)

Trim

- Trim and light engine can be field oriented at 90° increments to wash adjacent or opposite walls
- Flanged or Flangeless
- 14 color options + custom RAL or wood available
- One-piece die cast aluminum or machined wood trim
- Plaster Mount allows installation from below with large plaster flange and lip

Source / Optics

- Wall wash achieves a uniform 3.7:1 ratio from top to bottom of 10' wall
- Over 2000 lumens delivered with both apertures and C28 source selection
- <2 MacAdam Steps (<2SDCM) for fixed white
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional with Ambient Dim
- 2700, 3000, 3500, 4000K, Ambient Dim standard. Tunable White and RGBW upon request
- Lifetime: L87B3>55,000 hours at 40°C Ambient

Housing

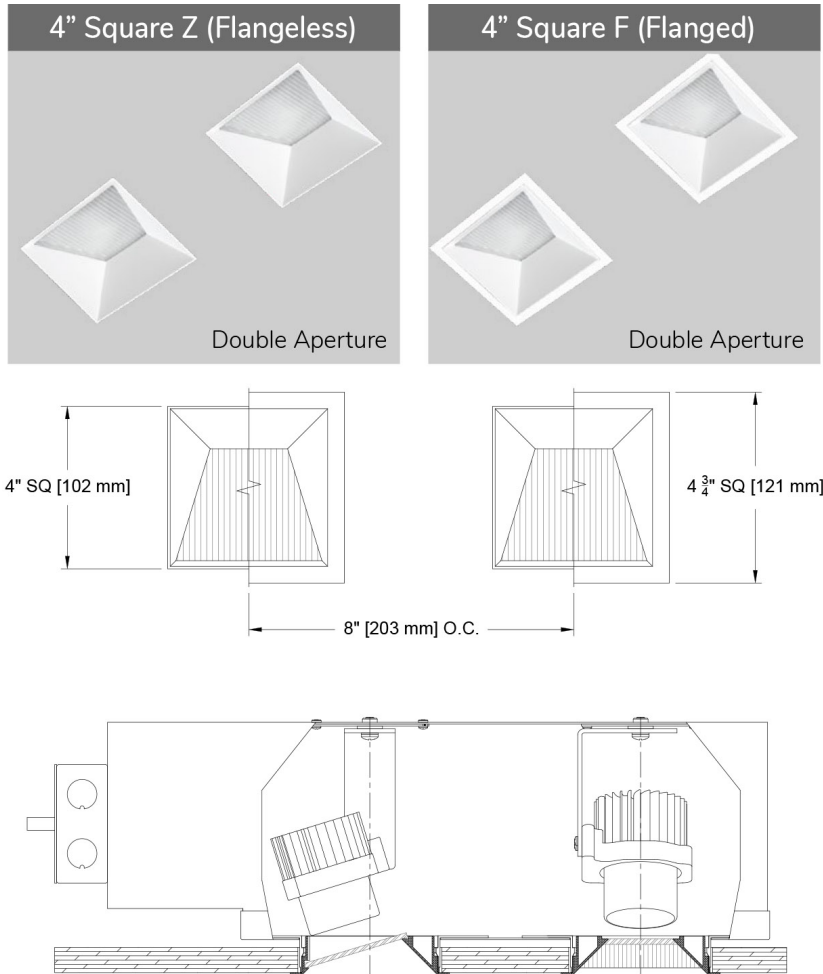
- 3 types of flangeless mounting options
- Heavy gauge aluminum for new construction or remodel
- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring

• Listed – Damp or wet with shower trim

• Compliant to with Airtight/IC Housing

Driver

- Universal 120-277v
- Dimming to 0.1% available
- Prewired and integral to housing
- Flicker free to IEEE 1789-2015
- Phase, 0-10, DALI, Ecosystem or Wireless Control



Aperture Options



Wood Trim Available

SQUARE WW (CR4WW-SF)		35.6°		ISO CD Plot	CCT Multiplier	
Source	System watts (W)	Delivered Lumens (lm)	Lumens/Watt			
Citizen C14	14	679	49		2700	.95
Citizen C20	21	832	40		3000	1.00
Citizen C28*	30	1069	35		3500	1.02
Ambient Dim A14	15	461	31	4000	1.03	

All data based on single aperture at 3000k in fixed position (CR4WW-SF). Ambient Dim at full output. *CZ28 requires active cooling and cannot be used with IC housing, Chicago Plenum or LP Driver.

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Ordering Codes

PROJECT: _____ SPECIFIER: _____

DATE: _____ TYPE: _____ QUANTITY: _____

Ordering Code Example: CR4MWW-SMDL-Z-AU-C20-35-C1-2C-P14-LR

FIXTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	DRIVER / CONTROL	CIRCUITS	TRIM FINISH	ACCESSORIES
CR4MWW-SMDL								
Core 4" Square Double Wall Wash	<p>F Flanged Trim</p> <p>Z Flangeless Trim</p> <p>FS Flanged Shower Trim*</p> <p>ZS Flangeless Shower 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 *Not compatible 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 3000 to 1900K</p>  <p>Tunable White 90+CRI, 70+R9 1800-4000K or 2700-6500K^</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 aperture.</p> <p>^ Available upon request. Contact your regional sales manager.</p>	<p>27 2700k</p> <p>30 3000k</p> <p>35 3500K</p> <p>40 4000k</p> <p>AD 1900-3000k</p>	<p>C1 0-10 1.0%, UNV (120-277V) linear</p> <p>C2 ELV/Triac 1.0%, (120V) linear</p> <p>EldoLED</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>Lutron</p> <p>LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1</p> <p>LP Digital Ecosystem* 0.1%, UNV (120-277V) ECO Premier Hi-Lume SoftOn/Fade-to-Black, PEQ0, 20W max</p> <p>* Not compatible with C28</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>* Wood "D" selection to be used with Z trim and PM mounting - Refer to Wood Trim Guide ** Refer to Finish Guide</p>  	<p>EM Emergency Pack</p> <p>CP Chicago Plenum</p> <p>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>

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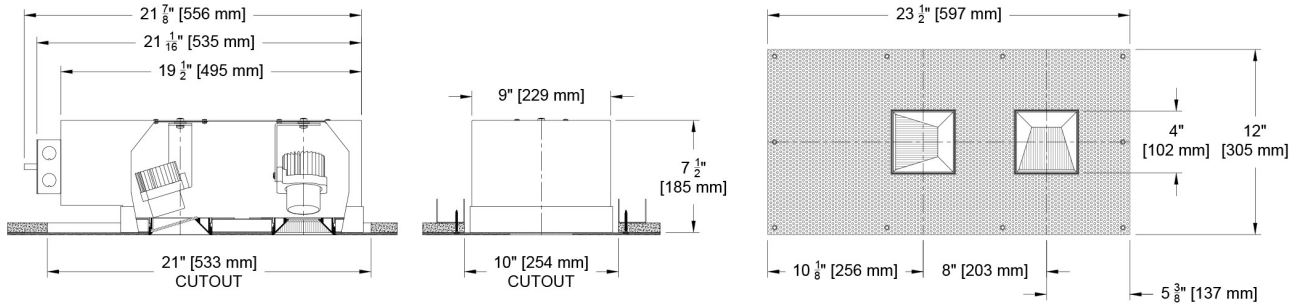
Ceiling Cutouts and Dimensions

Trim and light engine can be configured, in the field, at 90° increments to wash adjacent or opposite walls.

4" Square Flangeless Housing

Plaster Mount (P/AP)

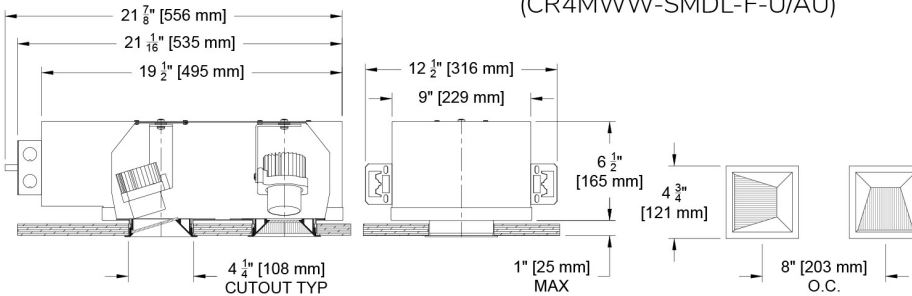
(CR4MWW-SMDL-Z-P/AP)



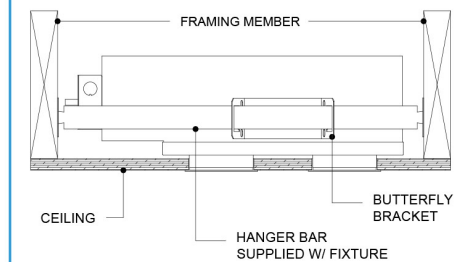
4" Square Flanged Housing

Flanged Mount (U/AU)

(CR4MWW-SMDL-F-U/AU)



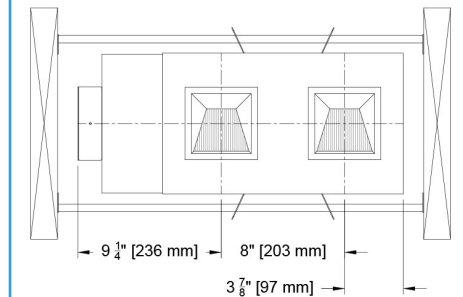
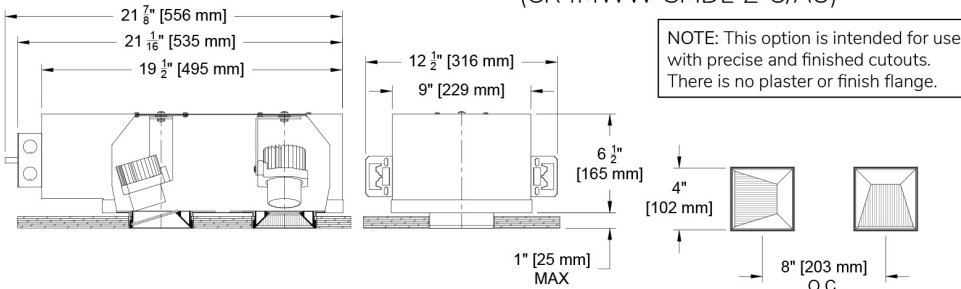
Hanger Bar Detail



4" Square Flangeless Housing

Flangeless Mount (U/AU)

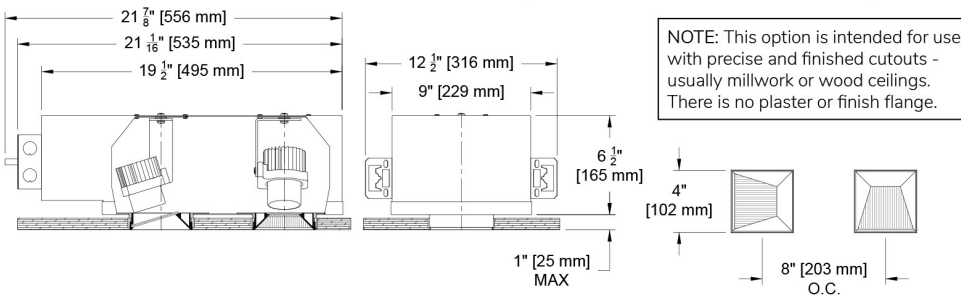
(CR4MWW-SMDL-Z-U/AU)



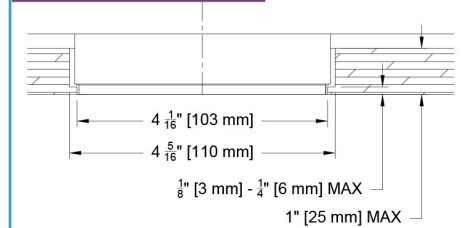
4" Square Flangeless Housing

Panel Mount (PM/APM)

(CR4MWW-SMDL-Z-PM/APM)



Panel Mount Detail



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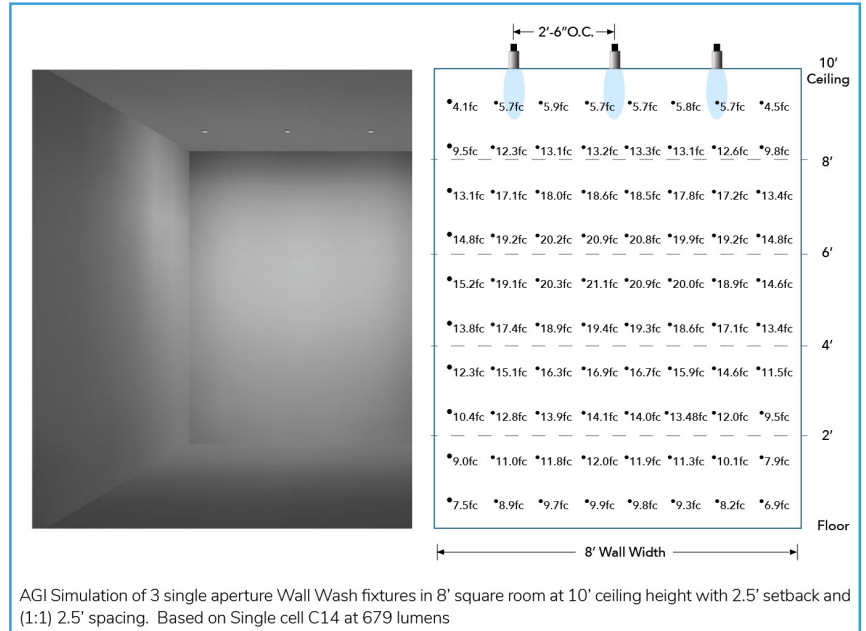


Photometric Table

Values are based on a single aperture CR4WW-SF. Calculations will require placing the second head (IES file) 8" on center from the first placed IES file in the desired orientation. All Measurements are delivered or derived delivered lumens at 3000k. Ambient dim at full output. *C28 source requires active cooling and must be used with NIC housing for required airflow. All values can vary +/-10% from source manufacturer rated flux range.

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 values are delivered from a single aperture fixture

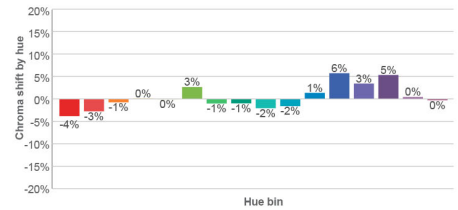
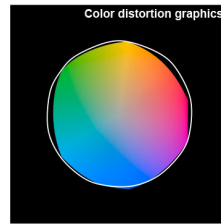
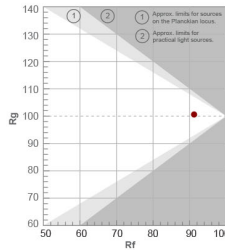
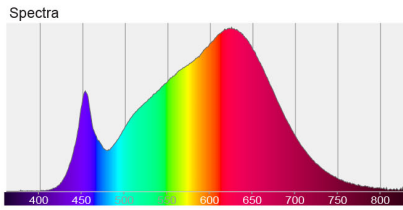
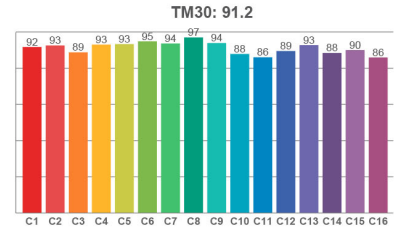
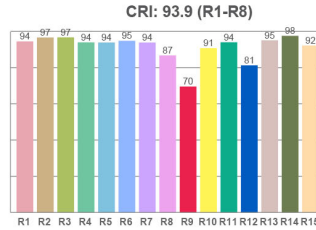
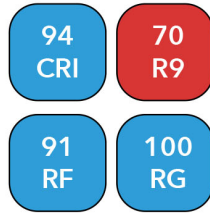


Color Data

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.

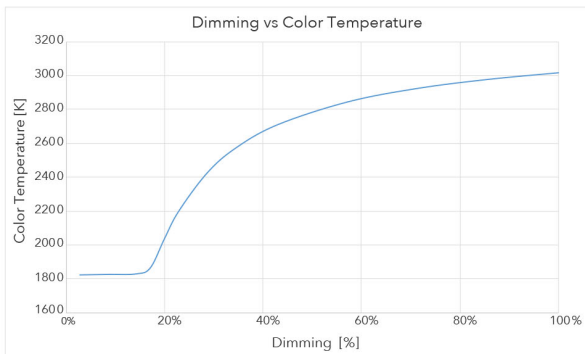
Citizen Sources for C14, C20 and C28

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

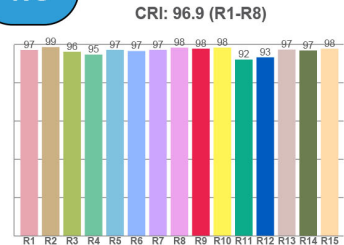
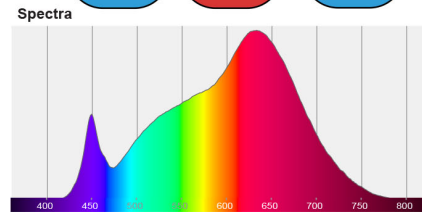


Ambient Dim 3000k to 1900k

- <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



1850 CCT 5% Output

