

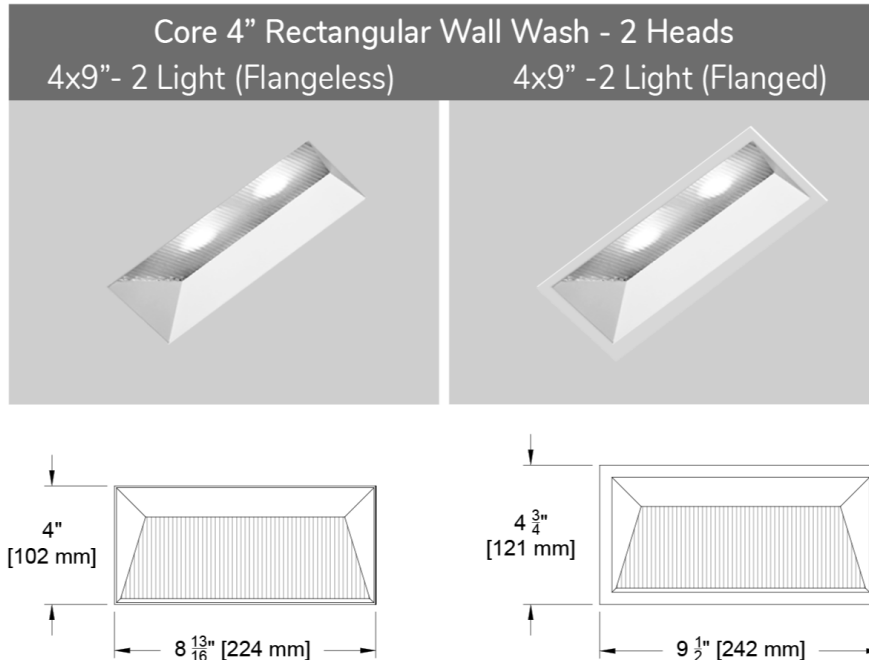
Core 4" Rectangular Multiple Adjustable Wall Wash - 2 Head

Formerly known as 1249-2

Recessed Adjustable Single Aperture

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
- Individual die cast aluminum or machined wood trim assembled to look as one contiguous multi cell fixture
- Plaster Mount allows installation from below with large plaster flange and lip

Source / Optics

- Adjustable with 45° tilt and 360° rotation
- Wall wash achieves a uniform 3.7:1 ratio from top to bottom of 10' wall
- 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
- 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
-  cULus Listed – Damp
-  Compliant to  with Airtight/IC Housing

Driver

- Dimming to 0.1% available
- Prewired and integral to housing
- Flicker free to IEEE 1789-2015
- Phase, 0-10, DAL-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

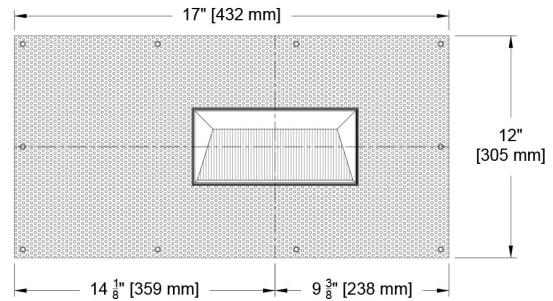
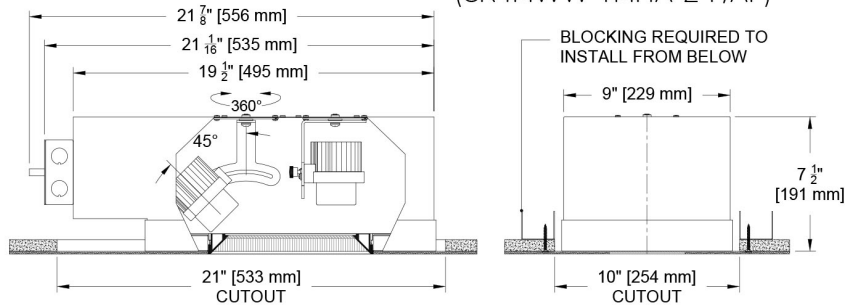
FIXTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	DRIVER / CONTROL	CIRCUITS	TRIM FINISH	ACCESSORIES
CR4MWW-TMHA								
Core 4" Rectangular Multiple Adjustable Wall Wash - 2 Head	F Flanged Trim Z Flangeless Trim	U Universal - Non IC AU Universal IC/Airtight^ P Plaster - Non IC AP Plaster IC/Airtight^ PM Panel Mount - Non IC APM Panel Mount Airtight/IC^ California Title 24 Compliant ^Cannot be used with C28 source	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 head.	24 2400K 27 2700K 30 3000K 35 3500K 40 4000K Ambient Dim™ 2722 * 2700-2200K *A14 Only 3019 3000-1900K 3022 * 3000-2200K *A14 Only 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	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 Lutron LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1 LP Digital Ecosystem* 0.1%, UNV (120-277V) ECO Premier Hi-Lume SoftOn/Fade-to-Black, PEQ0, 20W max * Not compatible with C28 source	1C 1 Circuit 2C 2 Circuit	W White Paint  B Black Paint  D Wood*  PXX Specialty Paint Color*  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  	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

Ceiling Cutouts and Dimensions

2 Head Flangeless Housing

Plaster Mount (P/AP)

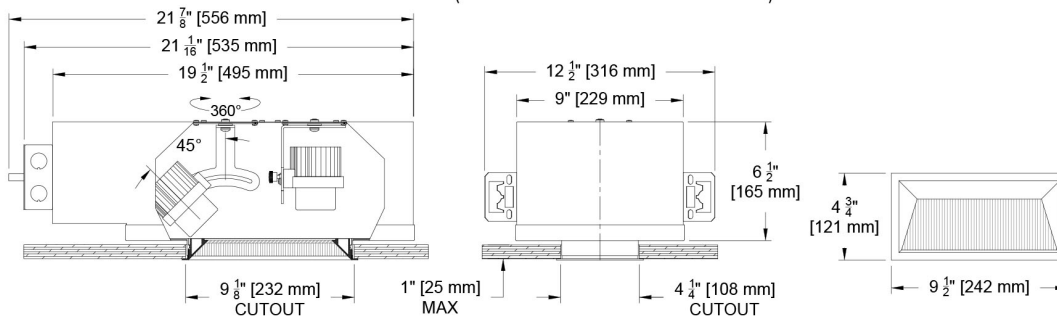
(CR4MWW-TMHA-Z-P/AP)



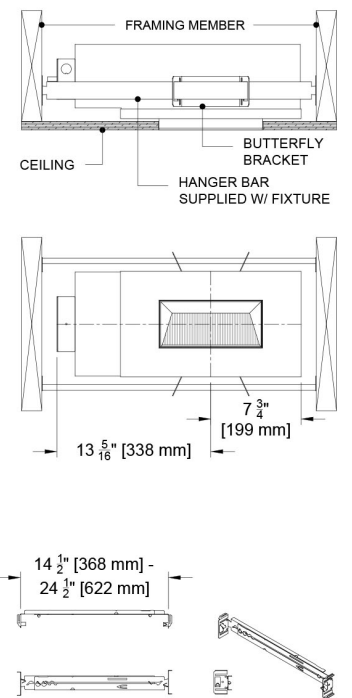
2 Head Flanged Housing

Flanged Mount (U/AU)

(CR4MWW-TMHA-F-U/AU)



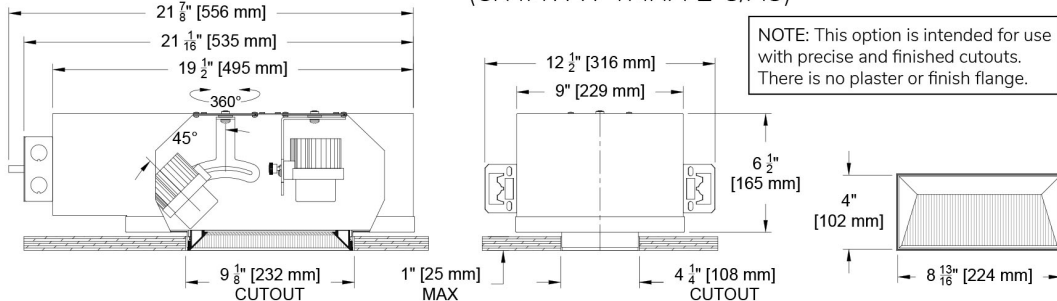
Hanger Bar Detail



2 Head Flangeless Housing

Flangeless Mount (U/AU)

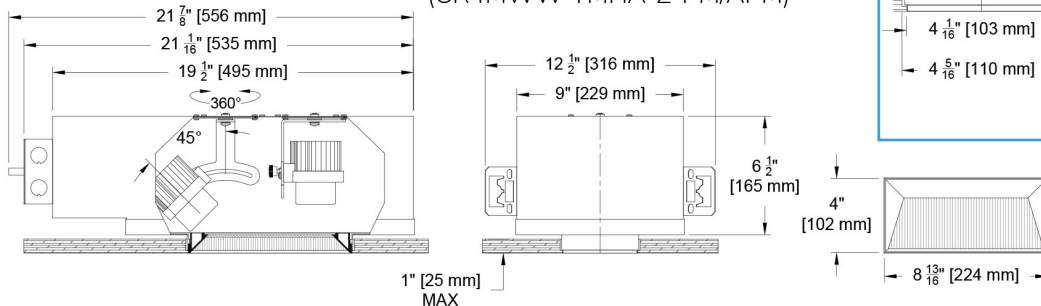
(CR4MWW-TMHA-Z-U/AU)



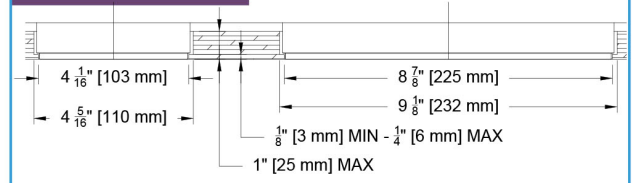
2 Head Flangeless Housing

Panel Mount (PM/APM)

(CR4MWW-TMHA-Z-PM/APM)



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.

Core 4" Rectangular Multiple Adjustable Wall Wash - 2 Head

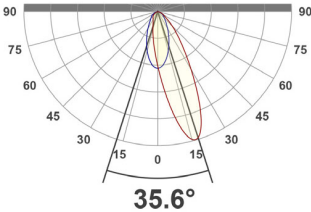
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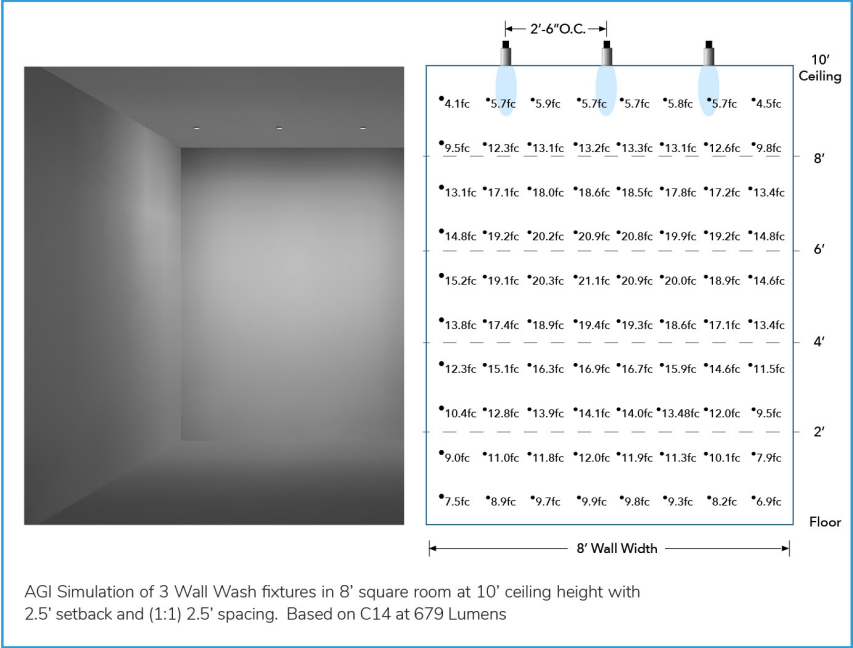
Photometric Table

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			



A beam spread diagram for a square wall wash light fixture. The diagram is a semi-circle with a vertical center line. The horizontal axis at the top is marked with 90 on both ends. The vertical axis is marked with 0 at the top and 30, 45, 60, 75, 90 on both sides. A black line represents the beam spread, with a label '35.6°' at the bottom. Inside the beam spread, there are three colored ellipses: a blue one at the top, a yellow one in the middle, and a red one at the bottom. The ellipses represent the light distribution at different distances from the fixture.

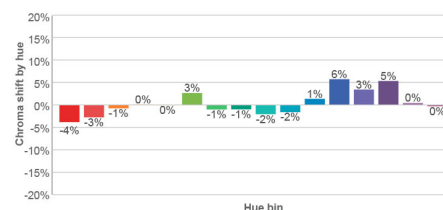
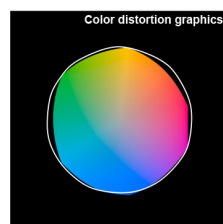
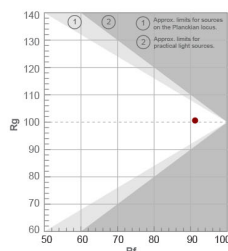
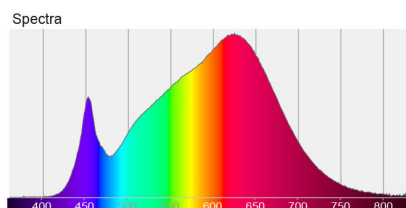
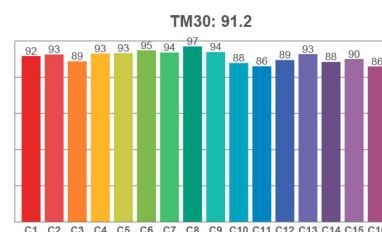
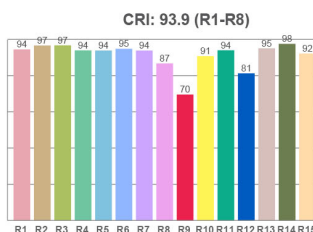
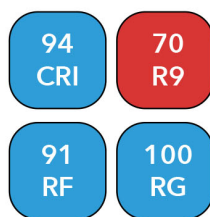


Color Data

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

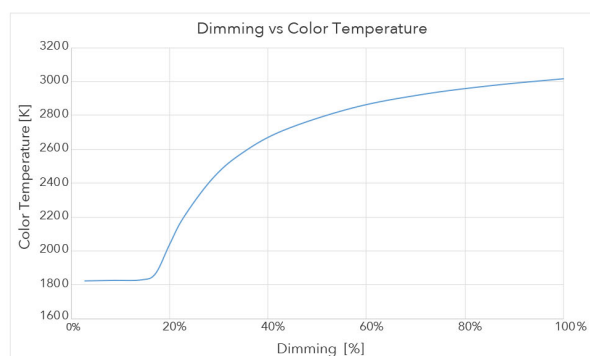
Citizen Sources for C14, C20 and C28

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

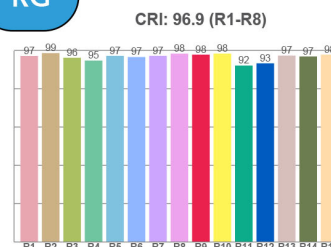
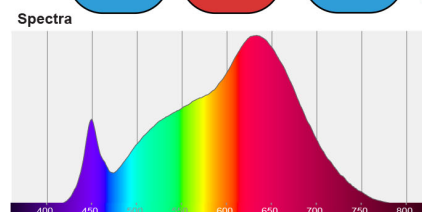


Ambient Dim 3000k to 1900k

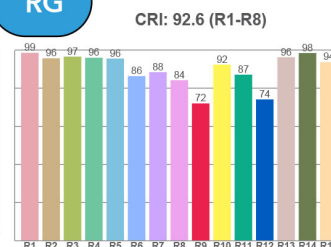
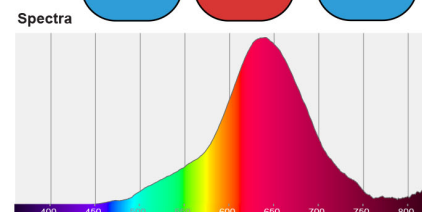
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



3000 CCT Full Output



1850 CCT 5% Output



Core 4" Rectangular Multiple Adjustable Wall Wash - 2 Head

Formerly known as 1249-2

Recessed Adjustable Single Aperture



Tunable White and RGBW

Color and flux information available upon request