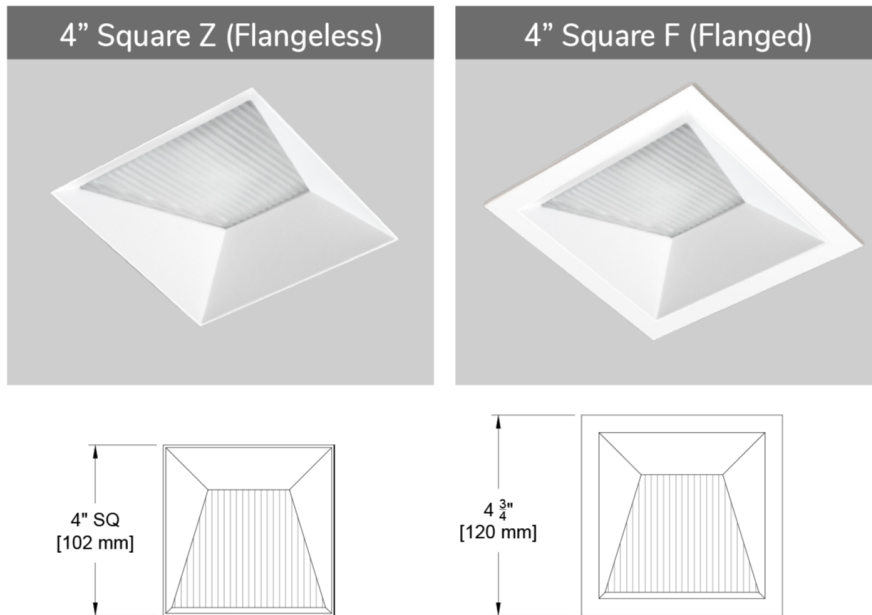


## The Core Family

Welcome to the Core line of fixtures. You will find a rich diversity of technical and aesthetic options with 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 the wall and 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.



PROJECT:

TYPE:

SPECIFIER:

DATE:

### Key Points (CR4WW-SF)




#### Trim

- Flanged or Flangeless
- Frosted Supertex borosilicate glass spread lens, hinged for source and driver service
- Flangeless includes plaster flange with lip
- 14 color options + custom, RAL or wood available
- One-piece die cast aluminum or machined wood trim

#### Source / Optics

- Lifetime: L87B3>55,000 hours at 40°C ambient
- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, RGBW & Tunable White options
- 90 CRI, 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 1069 delivered lumens
- Uniform light from floor to ceiling. Achieves a 3.7:1 ratio on a 10' ceiling at 2.5' setback with a 1:1 on center spacing

#### Housing

-  Compliant to  with Airtight Housing
-  Listed – Damp or wet with shower trim
- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring
- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
- Heavy gauge aluminum for new construction or remodel

#### Driver

- Phase, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015
- Prewired and integral to housing
- Universal 120-277v

Ordering Codes

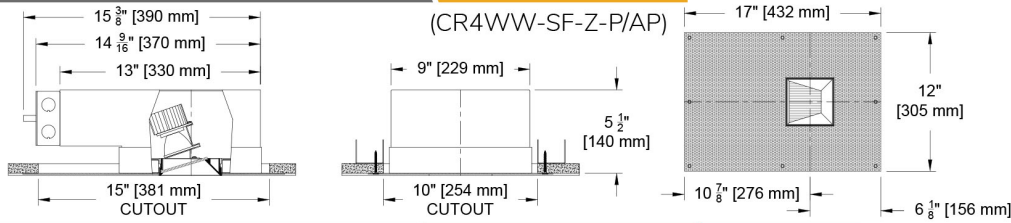
PROJECT: SPECIFIER:  
DATE: TYPE: QUANTITY:

Ordering Code Example: CR4WW-SF-F-AU-C20-35-E2-P16-CP

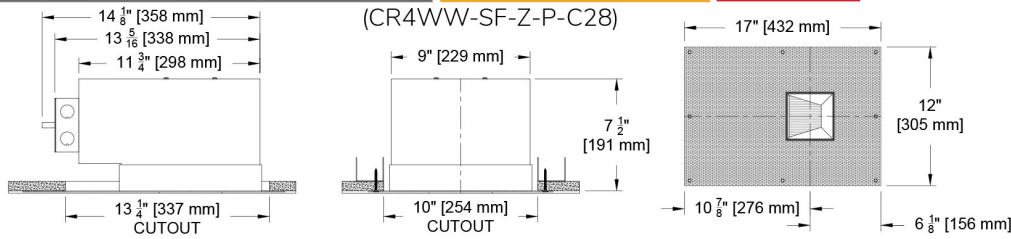
FIXTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	DRIVER / CONTROL	TRIM FINISH	ACCESSORIES
CR4WW-SF							
Core 4" Square Fixed Wall Wash	<div>Flanged Trims</div> <div>F</div> <div>Flanged Trim</div> <div>FS</div> <div>Flanged Shower Trim</div> <div>(for mounting choose from Flanged Housings)</div> <div>Flangeless Trims</div> <div>Z</div> <div>Flangeless Trim</div> <div>ZS</div> <div>Flangeless Shower Trim</div> <div>(for mounting choose from Flangeless Housings)</div>	<div>Flanged Housings</div> <div>U</div> <div>Universal - Non IC Housing</div> <div>AU</div> <div>Universal IC/Airtight</div> <div>Flangeless Housings</div> <div>P</div> <div>Plaster</div> <div>AP</div> <div>Plaster IC/Airtight</div> <div>PM</div> <div>Panel Mount</div> <div>APM</div> <div>Panel Mount Airtight/IC*</div> <div>California Title Compliant</div>	<div>Citizen</div> <div>C14</div> <div>15W</div> <div>679Lm</div> <div>90+CRI, 60+R9</div> <div>C20</div> <div>21W</div> <div>832Lm</div> <div>90+CRI, 60+R9</div> <div>C28</div> <div>30W*</div> <div>1069Lm</div> <div>90+CRI, 60+R9</div> <div>Tunable</div> <div>T9</div> <div>90+CRI, 60+R9</div> <div>Tunable White</div> <div>T15</div> <div>90+CRI, 60+R9</div> <div>Tunable White</div> <div>T20</div> <div>21W</div> <div>90+CRI, 60+R9</div> <div>Tunable White</div> <div>RGBW</div> <div>90+CRI, 60+R9</div> <div>Ambient Dim™</div> <div>A14</div> <div>15W</div> <div>461Lm</div> <div>95+CRI, 90+R9</div> <div>A20</div> <div>21W</div> <div>95+CRI, 90+R9</div> <div>California Title 24 Compliant to JA8</div> <div>* Requires Active Cooling and Non-IC housing. Not compatible with L2 and LP drivers.</div>	<div>24</div> <div>2400K</div> <div>27</div> <div>2700K</div> <div>30</div> <div>3000K</div> <div>35</div> <div>3500K</div> <div>40</div> <div>4000K</div> <div>Tunable</div> <div>TW1840</div> <div>1800-4000K</div> <div>Tunable White w/ E1, E2, E3, E4</div> <div>TW2765</div> <div>2700-6500K</div> <div>Tunable White w/ E1, E2, E3, E4</div> <div>RG1280</div> <div>1200-8000K</div> <div>RGBW Dynamic Color Changing</div> <div>*Requires E2 or E4</div> <div>Ambient Dim™</div> <div>2722*</div> <div>2700-2200K</div> <div>*A14 Only</div> <div>3019</div> <div>3000-1900K</div> <div>3022*</div> <div>3000-2200K</div> <div>*A14 Only</div>	<div>C1</div> <div>0-10</div> <div>1.0%, UNV (120-277V) linear</div> <div>C2</div> <div>ELV/Triac</div> <div>1.0%, (120V) linear</div> <div>E1</div> <div>0-10</div> <div>0.1%, UNV (120-277V) log</div> <div>E2</div> <div>DALI-2</div> <div>0.1%, UNV (120-277V) log</div> <div>E3</div> <div>0-10</div> <div>0.1%, UNV (120-277V) linear</div> <div>E4^</div> <div>DMX</div> <div>0.1%, UNV (120-277V) Universal DMX Driver/Controller</div> <div>COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS</div> <div>Lutron</div> <div>LP</div> <div>Digital Ecosystem*</div> <div>0.1%, UNV (120-277V) ECO Premier Hi-Lume SoftOn/Fade-to-Black, PEQ0, 20W max</div> <div>LD</div> <div>Digital Ecosystem</div> <div>1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1</div> <div>* Not compatible with C28 Source</div>	<div>W</div> <div>White Paint</div> <div>B</div> <div>Black Paint</div> <div>D</div> <div>Wood*</div> <div>PXX</div> <div>Specialty Paint Color*</div> <div>P01-P15</div> <div>C</div> <div>Custom/RAL Color**</div> <div>*See wood trim guide.</div> <div>**See Finish Guide</div> <div>FINISH GUIDE LINK</div> <div>WOOD TRIM GUIDE</div>	<div>EM</div> <div>Emergency Pack</div> <div>CP</div> <div>Chicago Plenum</div> <div>Controls</div> <div>LR</div> <div>Lutron Wireless RF PowPak</div> <div>ATH</div> <div>Lutron Athena Wireless Node</div> <div>Must be used with E2 driver</div> <div>CA</div> <div>Casambi Wireless BLE to be paired with driver</div>

# Ceiling Cutouts and Dimensions

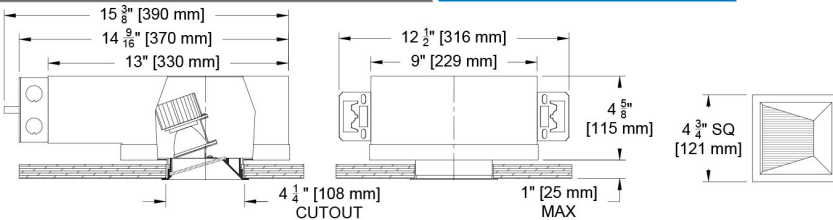
## Square Flangeless Housing Plaster Mount (P/AP)



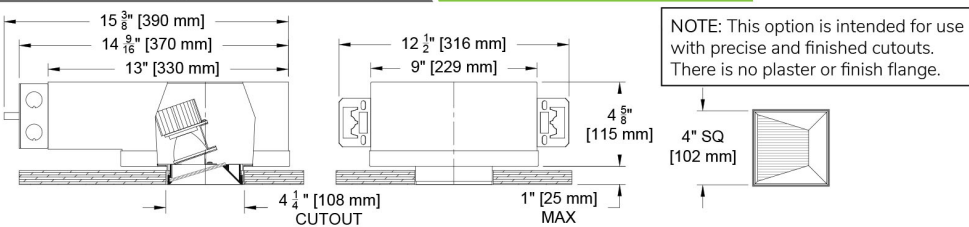
## Square Flangeless Housing Plaster Mount (P) C28 Only\*



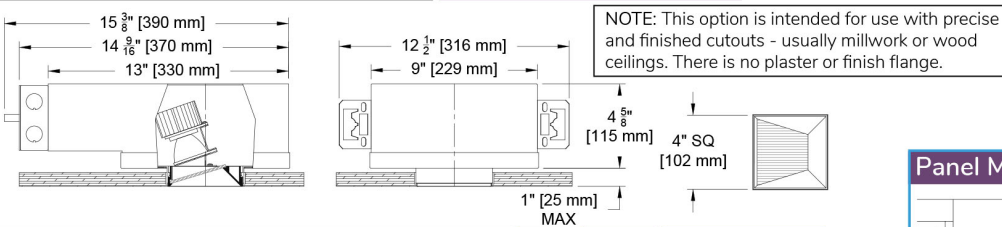
## Square Flanged Housing Flanged Mount (U/AU)



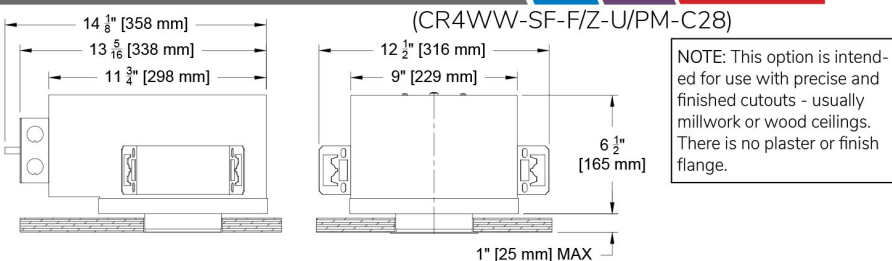
## Square Flangeless Housing Flangeless Mount (U/AU)



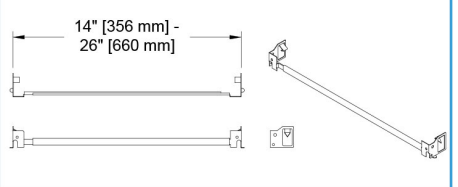
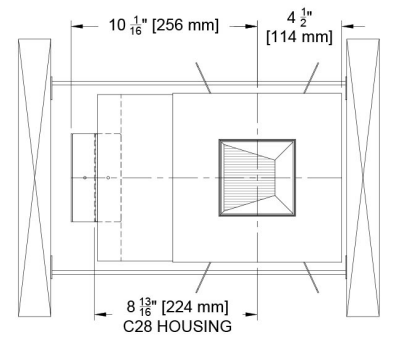
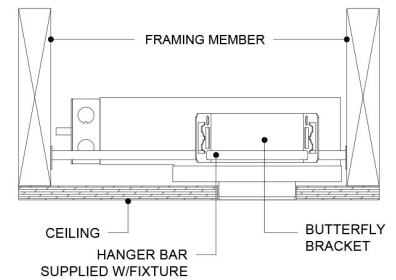
## Square Flangeless Housing Panel Mount (PM/APM)



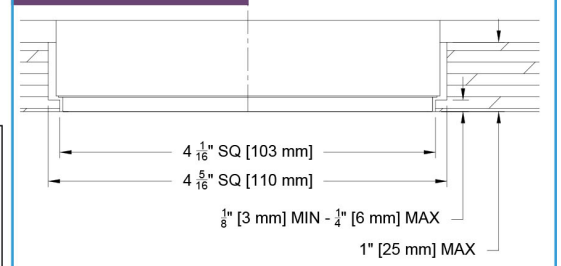
## Square Universal Housing (U) (PM) C28 Only\*



### Hanger Bar Detail



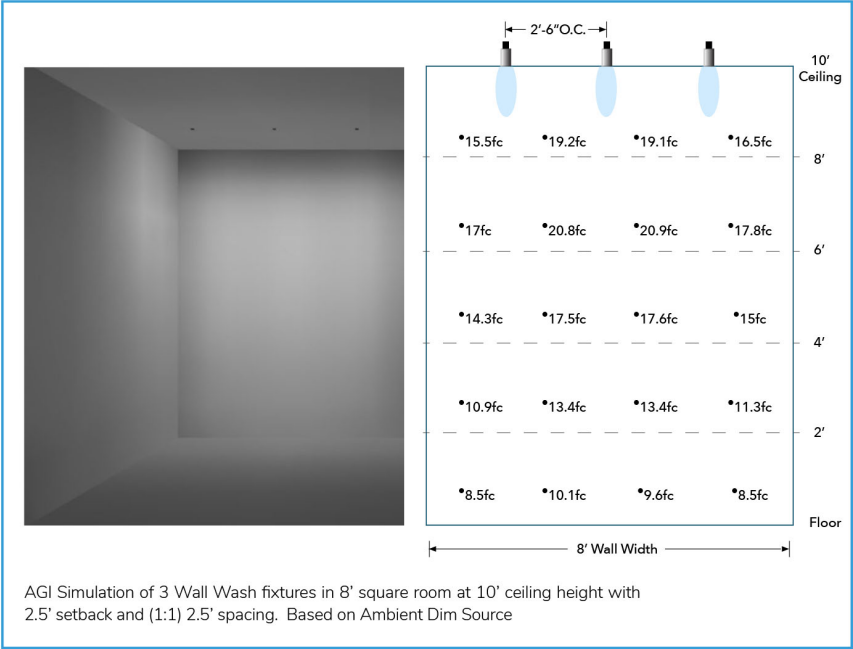
### Panel Mount Detail



**Photometric Table** All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT. C28 source requires active cooling and must be used with NIC housing for required airflow. C14 is the only source to meet CA Title 24 /JA8 requirements. All values can vary +/-10% from source manufacturer rated flux range.

All data below is based from goniometer measurement of production representative product.  
All lumen values can vary +/- 10% from LED manufacturer rated nominal flux.

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



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 Ambient Dim Source

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.

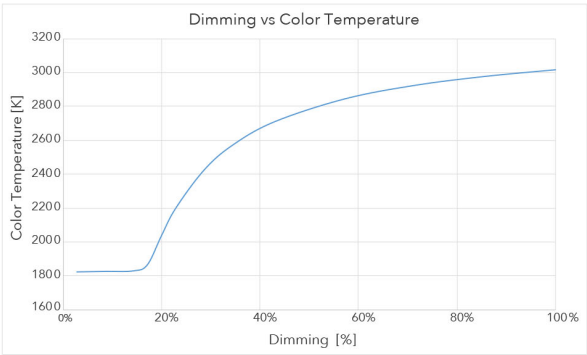
Citizen Sources - C14, C20 and C28

- <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

