

## 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-RF)

#### Trim

- Flange or Flangeless
- Frosted Supertex borosilicate glass spread lens, hinged for source and driver service
- Flangeless includes plaster flange
- 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 1616 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

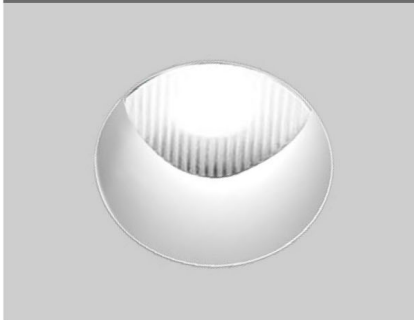
#### Housing

-  Compliant to  with Airtight Housing (C14 source only)
-  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

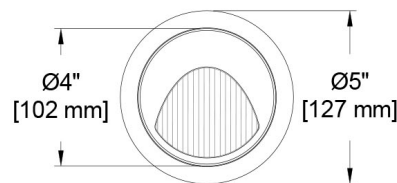
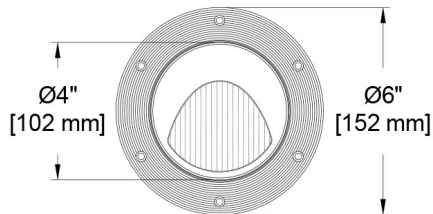
#### Driver

- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- Prewired and integral to housing
- Universal 120-277v

4" Round WW Z (Flangeless)



4" Round WW F (Flanged)



Wood Trim Available

Ordering Codes

PROJECT: SPECIFIER:  
DATE: TYPE: QUANTITY:

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

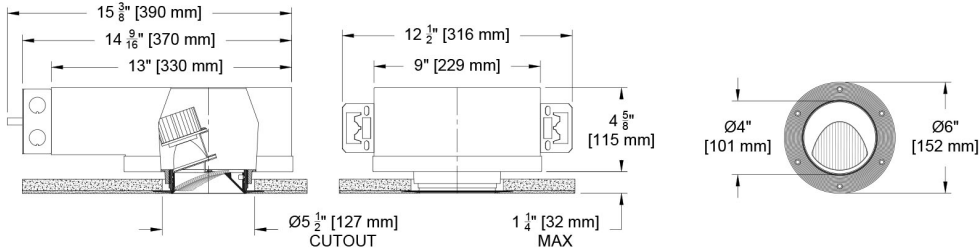
| FIXTURE                       | TRIM                                                                                                                                                                                                                                                                                                                                                      | MOUNTING                                                                                                                                                                                                                                                                                                                          | SOURCE / WATTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DRIVER / CONTROL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TRIM FINISH                                                                                                                                                                                                                                                                                                                                                                     | ACCESSORIES                                                                                                                                                                                                                                                                      |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR4WW-RF                      |                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |
| Core 4" Round Fixed Wall Wash | <div>Flanged Trims</div> <div>F<br/>Flanged Trim</div> <div>FS<br/>Flanged Shower Trim*</div> <div>(for mounting choose from Flanged Housings)</div> <div>Flangeless Trims</div> <div>Z<br/>Flangeless Trim</div> <div>ZS<br/>Flangeless Shower Trim*</div> <div>(for mounting choose from Flangeless Housings)</div> <div>* Aperture Lens Required</div> | <div>Flanged Housings</div> <div>U<br/>Universal - Non IC Housing</div> <div>AU<br/>Universal IC/Airtight</div> <div>Flangeless Housings</div> <div>P<br/>Plaster</div> <div>AP<br/>Plaster IC/Airtight</div> <div>PM<br/>Panel Mount</div> <div>APM<br/>Panel Mount Airtight/IC</div> <div>Supports CA Title 24 Compliance</div> | <div>Citizen</div> <div>C14<br/>14W<br/>833Lm<br/>90+CRI, 60+R9</div> <div>C20<br/>20W<br/>1056Lm<br/>90+CRI, 60+R9</div> <div>C28<br/>31W<br/>1616Lm<br/>90+CRI, 60+R9</div> <div>C32<br/>35W<br/>2751Lm<br/>90+CRI, 60+R9</div> <div>Tunable</div> <div>T9<br/>90+CRI, 60+R9<br/>Tunable White</div> <div>T15<br/>90+CRI, 60+R9<br/>Tunable White</div> <div>T20<br/>90+CRI, 60+R9<br/>Tunable White</div> <div>RGBW<br/>90+CRI, 60+R9</div> <div>Ambient Dim™</div> <div>A14<br/>15W<br/>578Lm<br/>95+CRI, 90+R9</div> <div>A20<br/>21W<br/>858Lm<br/>95+CRI, 90+R9</div> <div>Supports CA Title24 Compliance</div> <div>~See Photometrics chart for latest performance data</div> | <div>24<br/>2400K</div> <div>27<br/>2700K</div> <div>30<br/>3000K</div> <div>35<br/>3500K</div> <div>40<br/>4000K</div> <div>Tunable</div> <div>TW1840<br/>1800-4000K<br/>Tunable White<br/>w/ E1, E2, E3, E4</div> <div>TW2765<br/>2700-6500K<br/>Tunable White<br/>w/ E1, E2, E3, E4</div> <div>RG1280<br/>1200-8000K<br/>RGBW Dynamic Color Changing<br/>*Requires E2 or E4</div> <div>Ambient Dim™</div> <div>2722<br/>2700-2200K<br/>* A14 Only</div> <div>3019<br/>3000-1900K</div> <div>3022<br/>3000-2200K<br/>* A14 Only</div> | <div>C1<br/>0-10<br/>1.0%, UNV (120-277V)<br/>linear</div> <div>C2<br/>ELV/Triac<br/>1.0%, (120V) linear</div> <div>E1<br/>0-10<br/>0.1%, UNV (120-277V)<br/>log</div> <div>E2<br/>DALI-2<br/>0.1%, UNV (120-277V)<br/>log</div> <div>E3<br/>0-10<br/>0.1%, UNV (120-277V)<br/>linear</div> <div>E4^<br/>DMX<br/>0.1%, UNV (120-277V)<br/>Universal DMX Driver/Controller<br/>RGBW-DMX<br/>^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS</div> <div>TR2<br/>TruPhase™<br/>0.1%, (100-277V) linear<br/>Up to 20W<br/>Forward and Reverse compatible Phase Dimming<br/>Static White &amp; Ambient Dim only</div> <div>LD<br/>Digital Ecosystem<br/>1.0%, UNV (120-277V)<br/>ECO Hi-Lume<br/>SoftOn/Fade-to-Black<br/>LDE1</div> | <div>W<br/>White Paint</div> <div>B<br/>Black Paint</div> <div>D<br/>Wood*</div> <div>PXX<br/>Specialty Paint Color*</div> <div>P01-P15</div> <div>C<br/>Custom/RAL Color**</div> <div>* Wood "D" selection to be used with Z trim and PM mounting - Refer to Wood Trim Guide</div> <div>** Refer to Finish Guide</div> <div>FINISH GUIDE LINK</div> <div>WOOD TRIM GUIDE</div> | <div>EM<br/>Emergency Pack</div> <div>CP<br/>Chicago Plenum</div> <div>Controls</div> <div>LR<br/>Lutron Wireless RF PowPak</div> <div>ATH<br/>Lutron Athena Wireless Node<br/>Must be used with E2 driver</div> <div>CA<br/>Casambi Wireless BLE to be paired with driver</div> |

# Ceiling Cutouts and Dimensions

## Round Flangeless Housing

## Plaster Mount (P/AP)

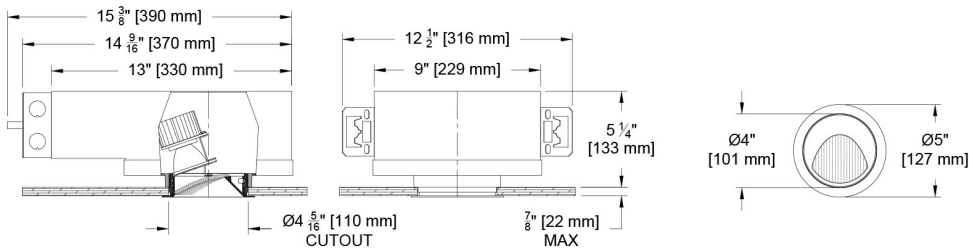
(CR4WW-RF-Z-P/AP)



## Round Flanged Housing

## Flanged Mount (U/AU)

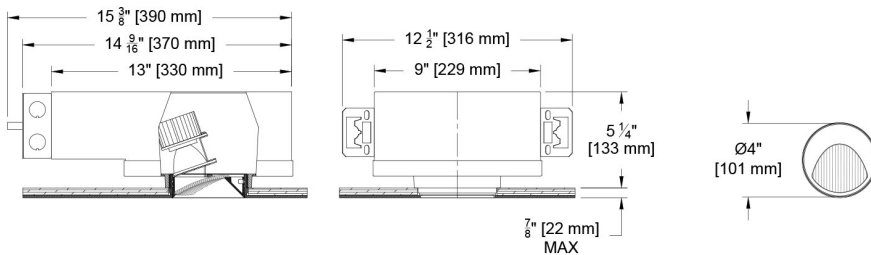
(CR4WW-RF-F-U/AU)



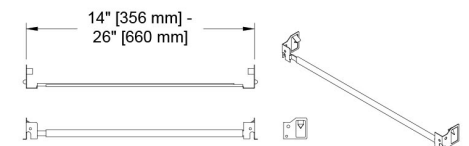
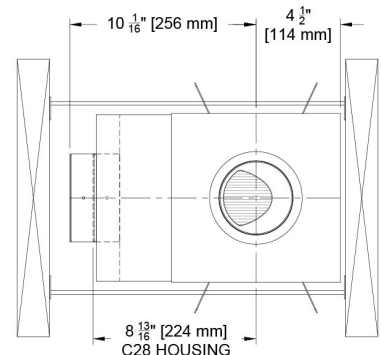
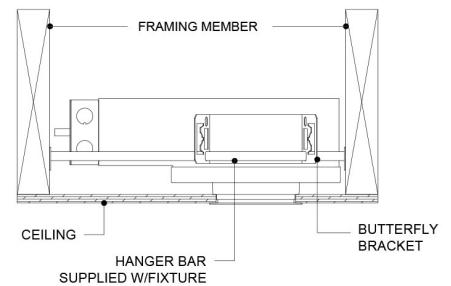
## Round Flangeless Housing

## Panel Mount (PM)

(CR4WW-RF-Z-PM)



## Hangar Bar Detail



## Round Housing for

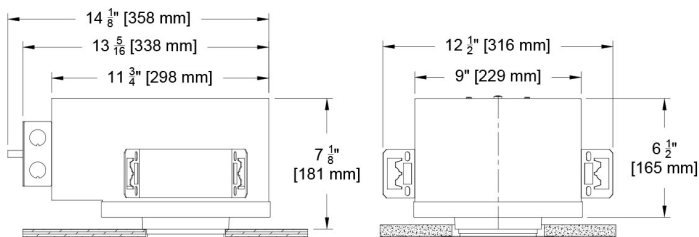
(P)

(U)

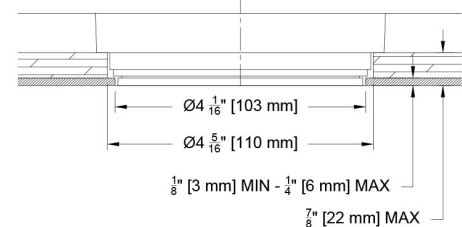
(PM)

C28 Only\*

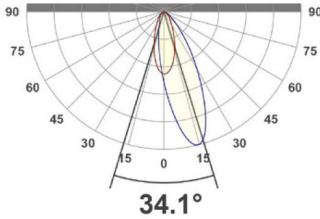
(CR4WW-RF-F/Z-P/U/PM-C28)

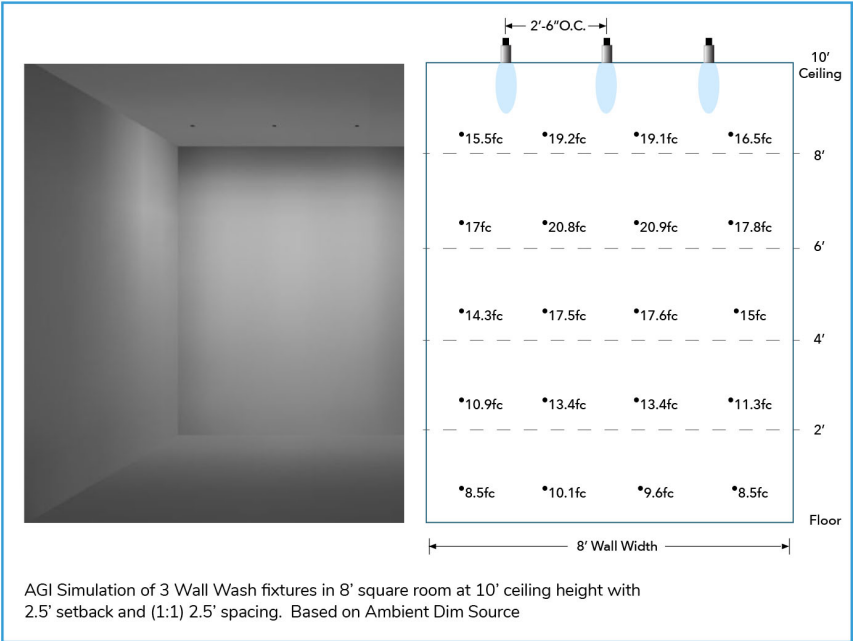


## Panel Mount Detail



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.

| Round Wall Wash (CR4WW-RF)                                                                                                                                                           |                  |                                                                                   |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------|--------------|
| Source                                                                                                                                                                               | System watts (W) | Delivered Lumens (lm)                                                             | Lumens/ Watt |
| Citizen C14                                                                                                                                                                          | 14               | 833                                                                               | 60           |
| Citizen C20                                                                                                                                                                          | 20               | 1056                                                                              | 53           |
| Citizen C28*                                                                                                                                                                         | 31               | 1616                                                                              | 53           |
| Ambient Dim A14                                                                                                                                                                      | 14               | 578                                                                               | 40           |
| CCT Multiplier                                                                                                                                                                       |                  |                                                                                   |              |
| CCT                                                                                                                                                                                  | Citizen          |  |              |
| 2700                                                                                                                                                                                 | 0.95             |                                                                                   |              |
| 3000                                                                                                                                                                                 | 1.00             |                                                                                   |              |
| 3500                                                                                                                                                                                 | 1.02             |                                                                                   |              |
| 4000                                                                                                                                                                                 | 1.03             |                                                                                   |              |
| All data based on 3000k. See Multipliers for other CCT. Ambient Dim based on 3000k at full output. *C28 requires active cooling and cannot be used with IC housing or Chicago Plenum |                  |                                                                                   |              |



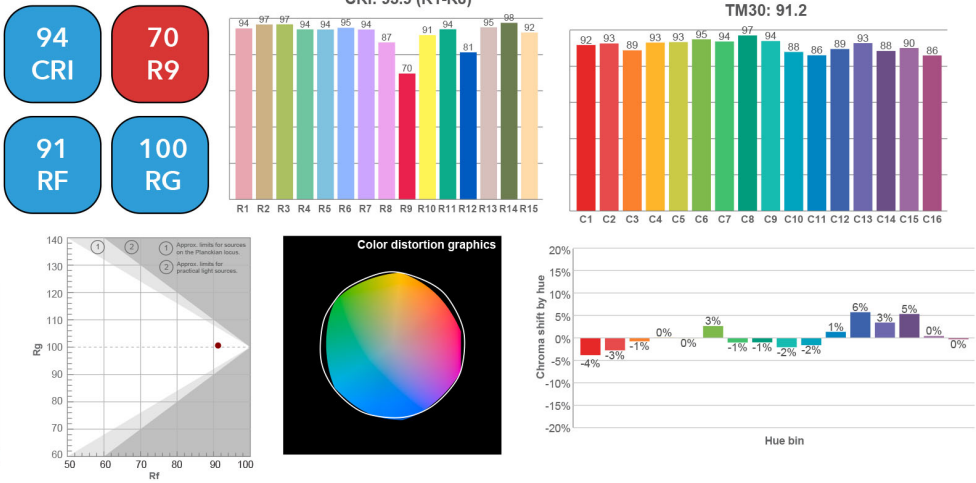
AGI Simulation of 3 Wall Wash fixtures in 8' square room at 10' ceiling height with 2.5' setback and (1:1) 2.5' spacing. Based on Ambient Dim Source

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.

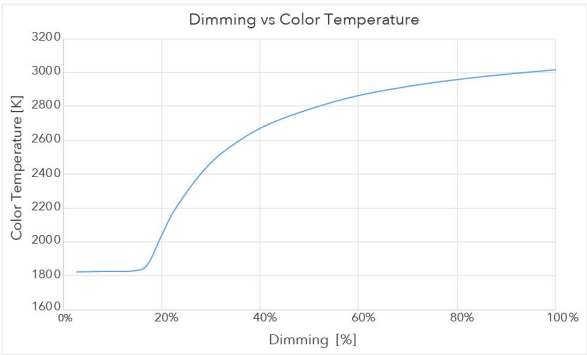
Citizen Sources - C14, C20 and C28

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

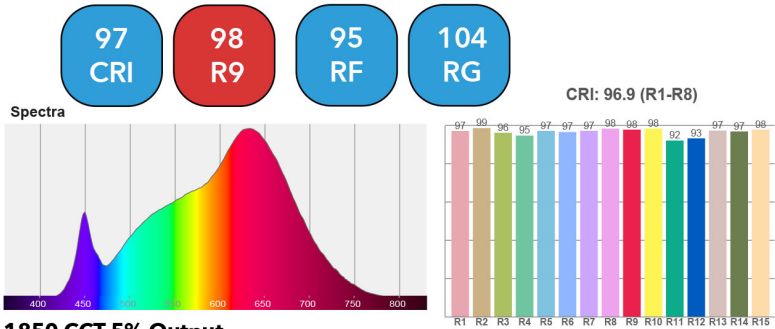


Ambient Dim - 3000k to 1900k

- <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

