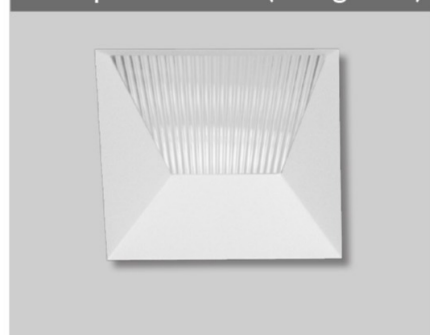


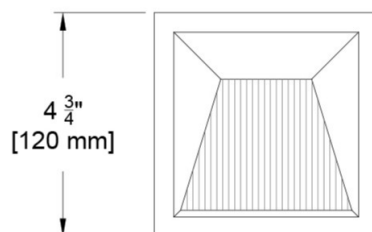
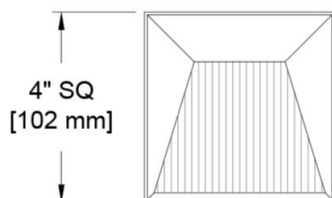
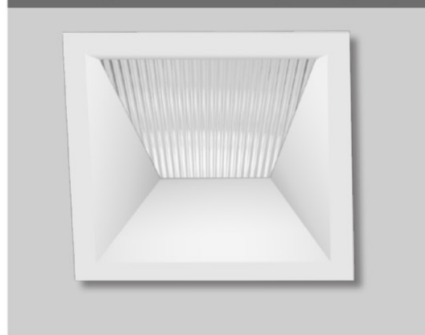
The Core Family

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.

4" Square WW Z (Flangeless)



4" Square WW F (Flanged)



Wood Trim Available

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR4WW-SF)

Trim

- One-piece die cast aluminum or machined wood trim
- 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
- Flanged or Flangeless

Source / Optics

- 2400K, 2700K, 3000K, 3500K, 4000K
- **AmbientDim™**, 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

- **TITLE 24** Compliant to **JA8** with Airtight Housing
- **UL** 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
- Prewired and integral to housing
- Universal 120-277v

Ordering Codes

PROJECT: SPECIFIER:
DATE: TYPE: QUANTITY:

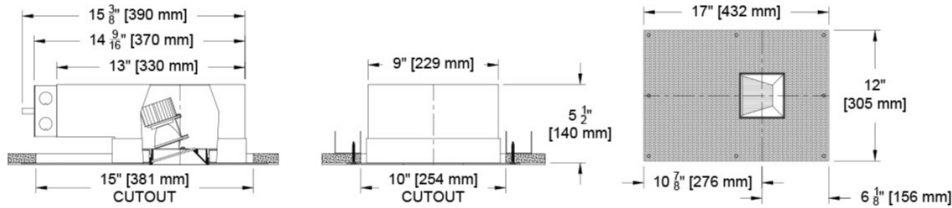
Ordering Code Example: CR4WW-SF-F-AU-C20-35-E2-P16-CP

FIXTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	DRIVER / CONTROL	TRIM FINISH	ACCESSORIES
CR4WW-SF							
Core 4" Square Fixed Wall Wash	Flanged Trims F Flanged Trim FS Flanged Shower Trim (for mounting choose from Flanged Housings) Flangeless Trims Z Flangeless Trim ZS Flangeless Shower Trim (for mounting choose from Flangeless Housings)	Flanged Housings U Universal - Non IC Housing AU Airtight Universal IC-Rated Flangeless Housings P Plaster PM Panel Mount APM Airtight Panel Mount IC-Rated AP Airtight Plaster IC-Rated Shallow Housing ASU * Airtight Shallow Universal IC-Rated ASPM * Airtight Shallow Panel IC-Rated ASP * Airtight Shallow Plaster IC-Rated California Title Compliant	Citizen C14 15W 679Lm 90+CRI, 60+R9 C20 21W 832Lm 90+CRI, 60+R9 C28 30W* 1069Lm 90+CRI, 60+R9 Tunable T9 90+CRI, 60+R9 Tunable White T15 90+CRI, 60+R9 Tunable White T20 21W 90+CRI, 60+R9 Tunable White RGBW 90+CRI, 60+R9 Ambient Dim™ A14 15W 461Lm 95+CRI, 90+R9 A20 21W 95+CRI, 90+R9 California Title 24 Compliant to JA8 * Requires Active Cooling and Non-IC housing. Not compatible with L2 and LP drivers.	24 2400K 27 2700K 30 3000K 35 3500K 40 4000K 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 Ambient Dim™ 2722* 2700-2200K *A14 Only 3019 3000-1900K 3022* 3000-2200K *A14 Only	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 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 * Not compatible with C28 Source	W White Paint B Black Paint D Wood* PXX Specialty Paint Color* P01-P15 C Custom/RAL Color** *See wood trim guide. **See Finish Guide FINISH GUIDE LINK WOOD TRIM GUIDE	EM Emergency Pack* *Remote Required 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

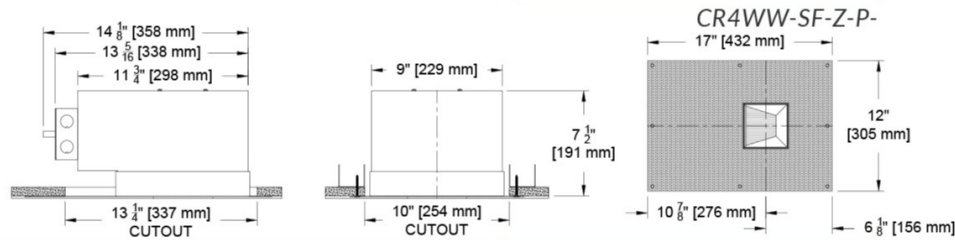
Square Flangeless Housing

Plaster Mount (P/AP)



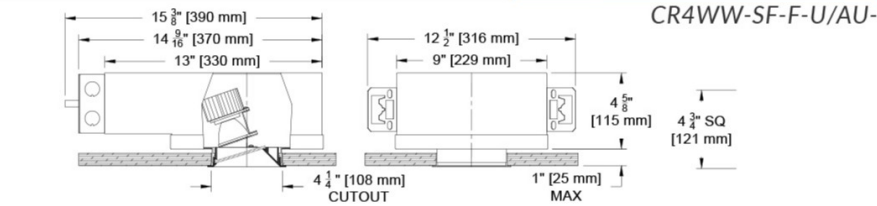
Square Flangeless Housing

Plaster Mount (P) C28 Only*



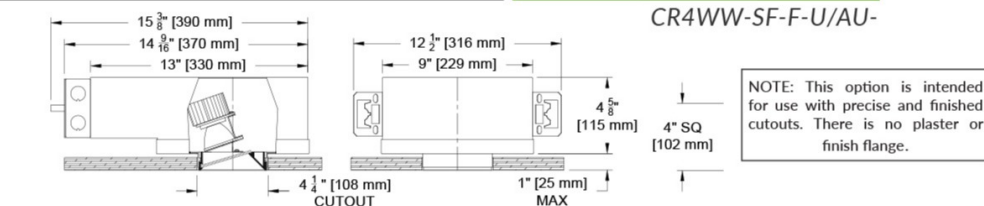
Square Flanged Housing

Universal Mount (U/AU)



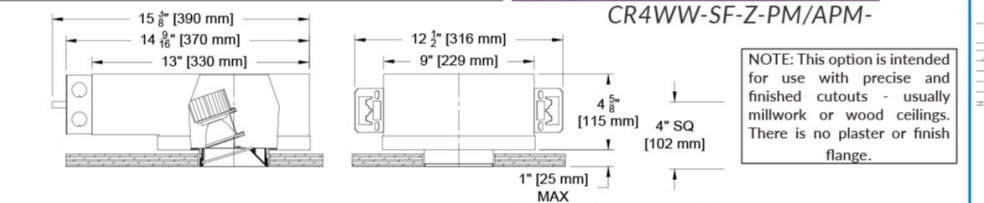
Square Flangeless Housing

Universal Mount (U/AU)



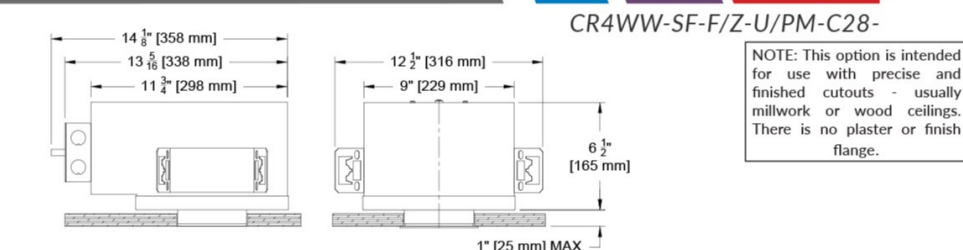
Square Flangeless Housing

Panel Mount (PM/APM)

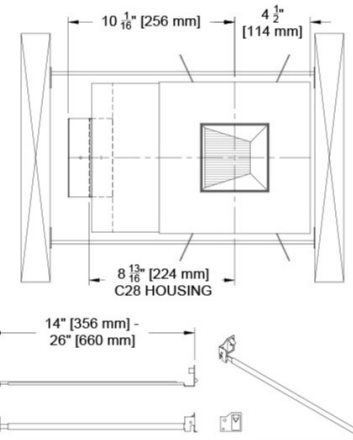
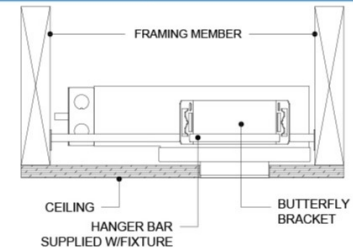


Square Universal Housing

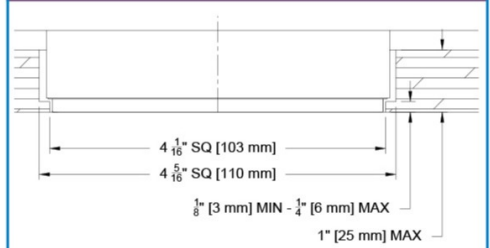
(U) (PM) C28 Only*



Hanger Bar Detail



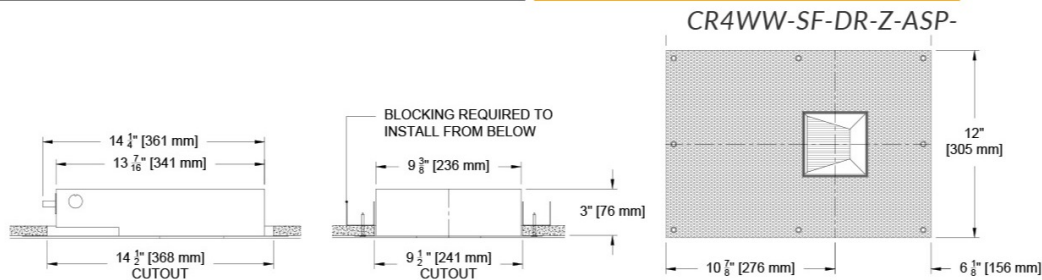
Panel Mount Detail



Ceiling Cutouts and Dimensions

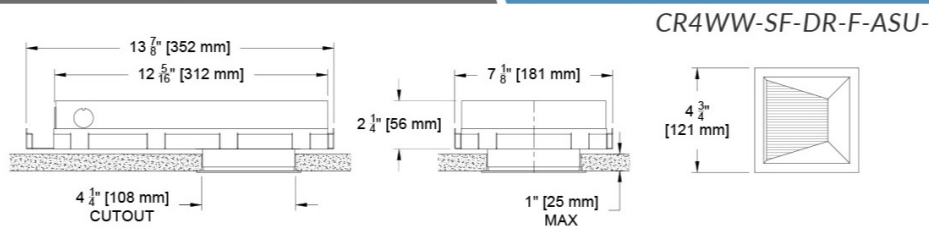
Square Flangeless Housing

Airtight Shallow Plaster (ASP)



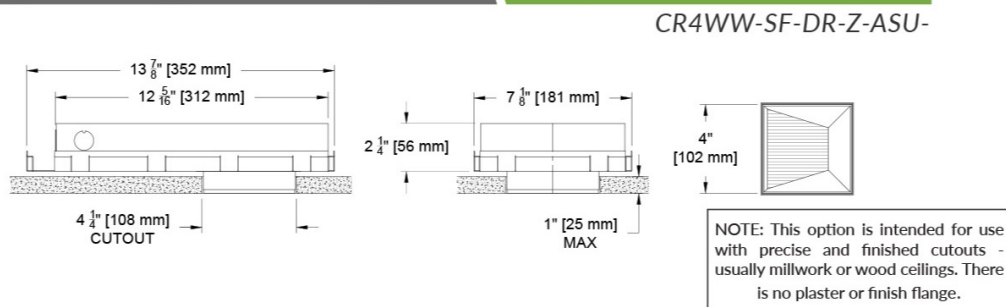
Square Flanged Housing

Airtight Shallow Universal (ASU)



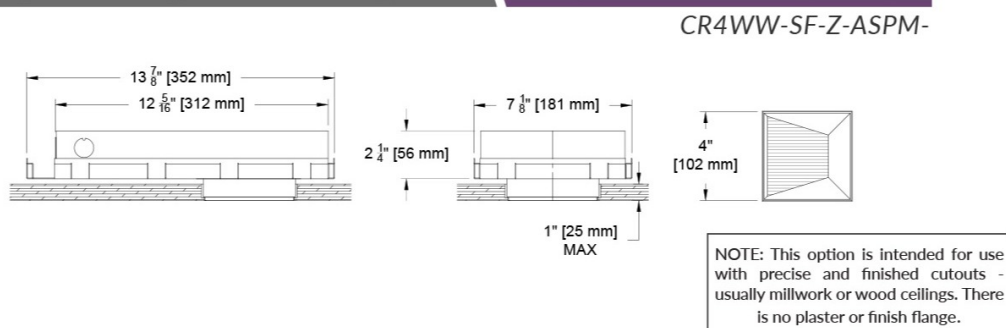
Square Flangeless Housing

Airtight Shallow Universal (ASU)

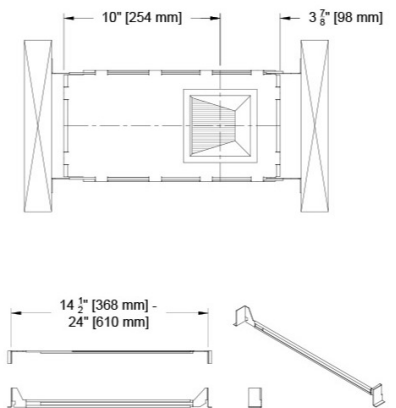
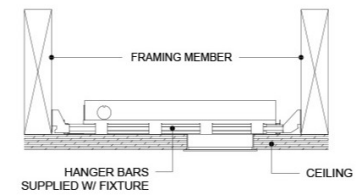


Square Flangeless Housing

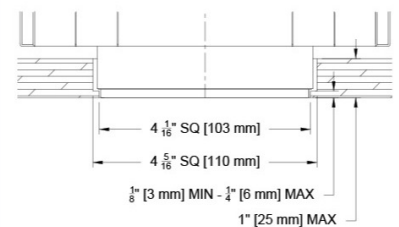
Airtight Shallow Panel (ASPM)



Hanger Bar Detail



Panel Mount Detail

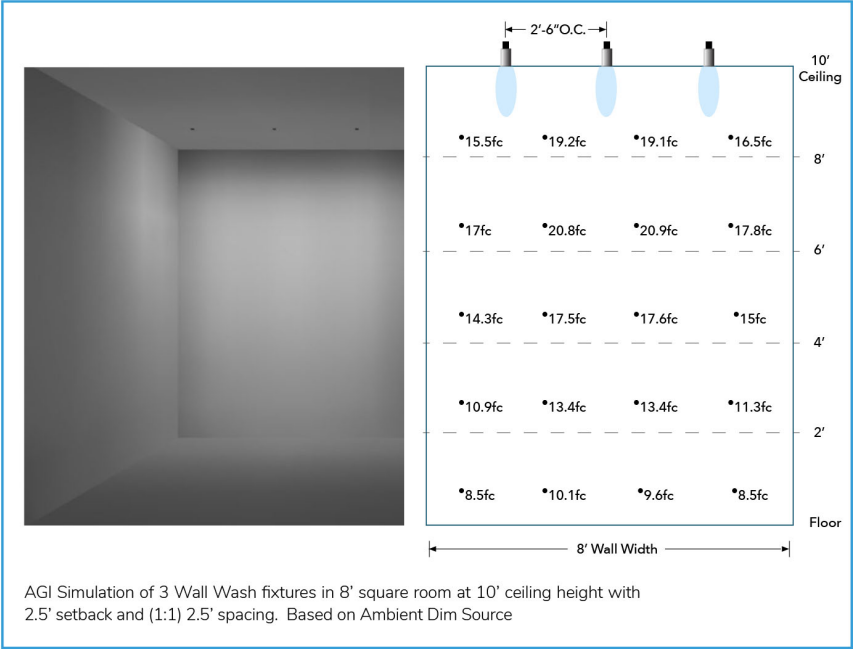


Photometric Table

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		
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.			



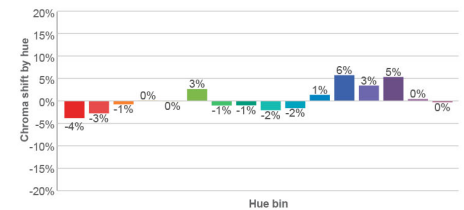
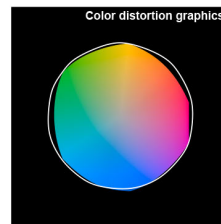
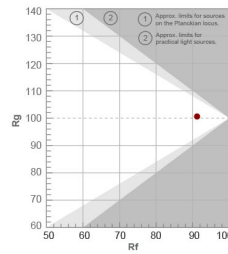
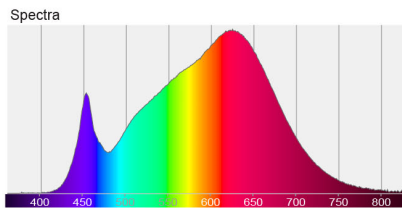
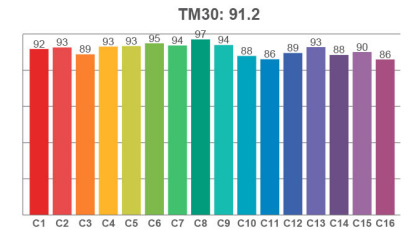
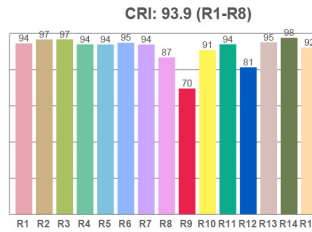
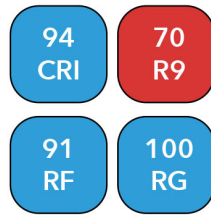
AGI Simulation of 3 Wall Wash fixtures in 8' square room at 10' ceiling height with 2.5' setback and (1:1) 2.5' spacing. Based on Ambient Dim Source

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.

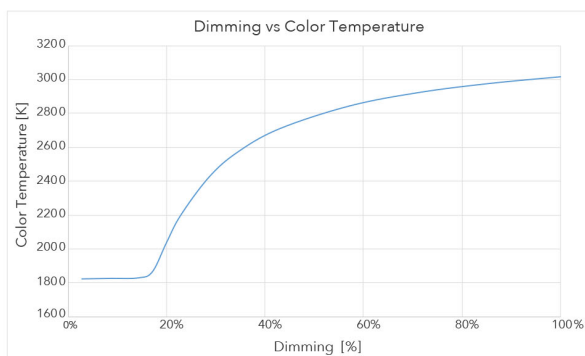
Citizen Sources - C14, C20 and C28

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

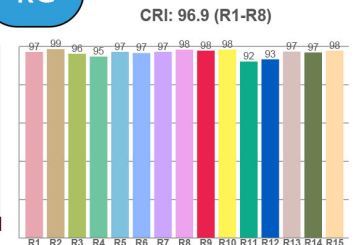
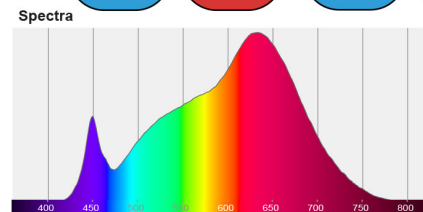


Ambient Dim - 3000k to 1900k

- <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

