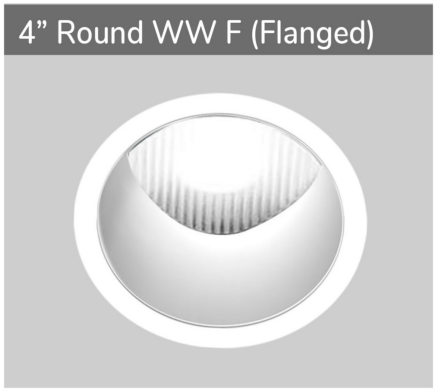
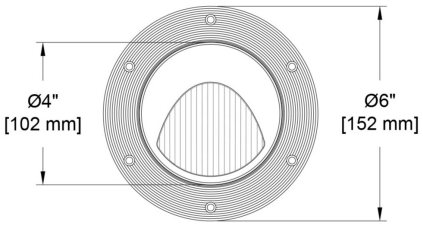
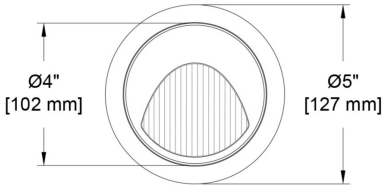
The Core Family

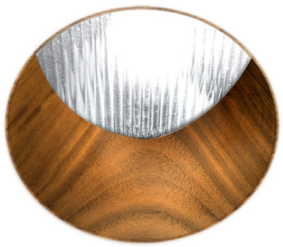
Welcome to the Core line of fixtures. You will find a rich diversity of technical and aesthetic options including 3 trim apertures, over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), multiple beam spreads and plethora of driver and control choices. The Core adjustable 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.











Wood Trim Available

PROJECT: TYPE:

SPECIFIER: DATE:

Key Points (CR4WW-RA)

Trim

- Flanged 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

- AmbientDim™, RGBW & Tunable White options
- 2400K, 2700K, 3000K, 3500K, 4000K
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 2751 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

- Adjusts to 45º tilt with 360º of rotation.
- TITLE 24 Compliant to JA8 with Airtight Housing
- c SP us 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
- Universal 120-277v
- Prewired and integral to housing
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections

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Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

Ordering Code Example: CR4WW-RA-F-AU-C20-35-24-E2-P14-CA

FIXTURE	TRIM	MOUNTING	LUMENS / WATTS	CCT	DRIVER / CONTROL	TRIM FINISH	ACCESSORIES
CR4WW-RA							
Core 4" Round Adjustable 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)* *Aperture Lens Requred	**Flanged Housings** U Universal - Non-IC Housing AU Airtight Universal *IC-Rated* **Flangeless Housings** P Plaster - Non-IC Housing AP Airtight Plaster *IC-Rated* PM Panel Mount APM Airtight Panel Mount *IC-Rated* Supports CA Title24 compliance	**Citizen** C14 15W 833Lm 90+CRI, 60+R9 C20 20W 1056Lm 90+CRI, 60+R9 C28 30W* 1616Lm* 90+CRI, 60+R9 C32 35W 2751Lm* 90+CRI, 60+R9 **Tunable** T9 90+CRI, 60+R9 *Tunable White* T15 90+CRI, 60+R9 *Tunable White* T20 90+CRI, 60+R9 *Tunable White* RGBW 15W 90+CRI, 60+R9 **Ambient Dim™** A14 15W 578Lm 95+CRI, 90+R9 A20 21W 1050Lm 90+CRI, 68+R9 Supports CA Title 24 Compliance to JA8 except in flat aperture ~See Photometrics chart for latest performance data	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 Phase 0.1%, (120-120V) log TruPhase™ Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only	W White Paint B Black Paint D Wood* PXX Specialty Paint Color* P01-P15 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 FINISH GUIDE LINK WOOD TRIM GUIDE	EM Emergency Pack* **Remote Required* CP Chicago Plenum BABA BABA Products CA Casambi Wireless BLE to be paired with driver **Controls** LR Lutron Wireless RF PowPak ATH Lutron Athena Wireless Node *Must be used with E2 driver*

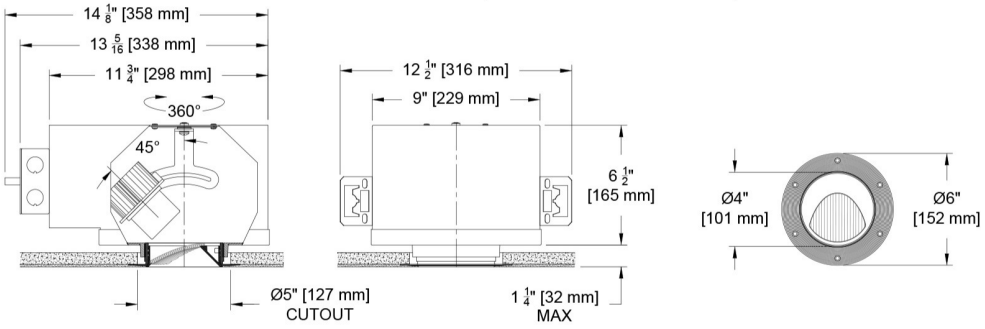
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Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar

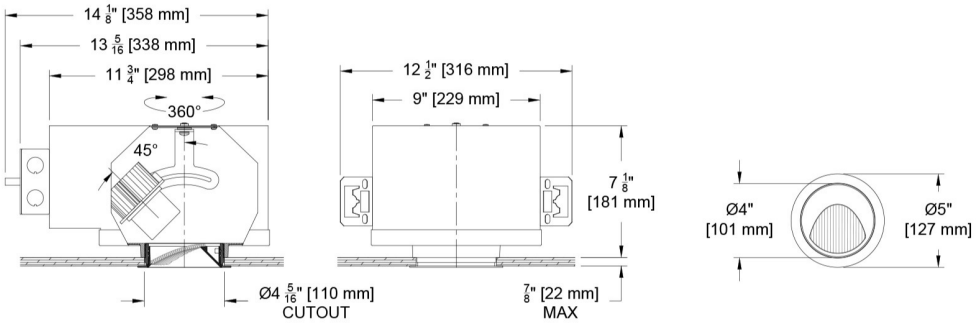
Round Flangeless Housing | Plaster Mount (P/AP)

(CR4WW-RA-Z-P/AP)



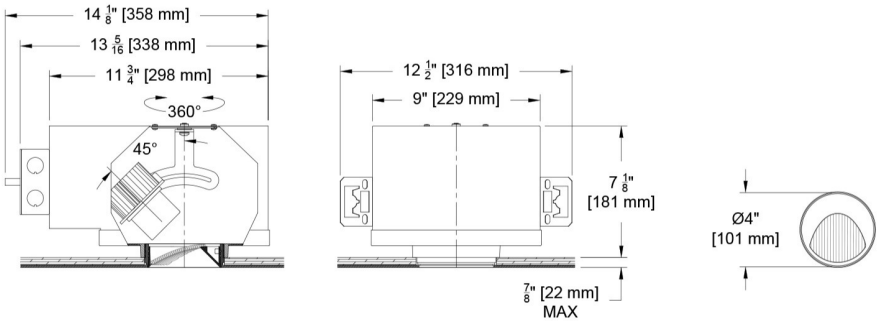
Round Flanged Housing | Flanged Mount (U/AUA)

(CR4WW-RA-F-U/AU)

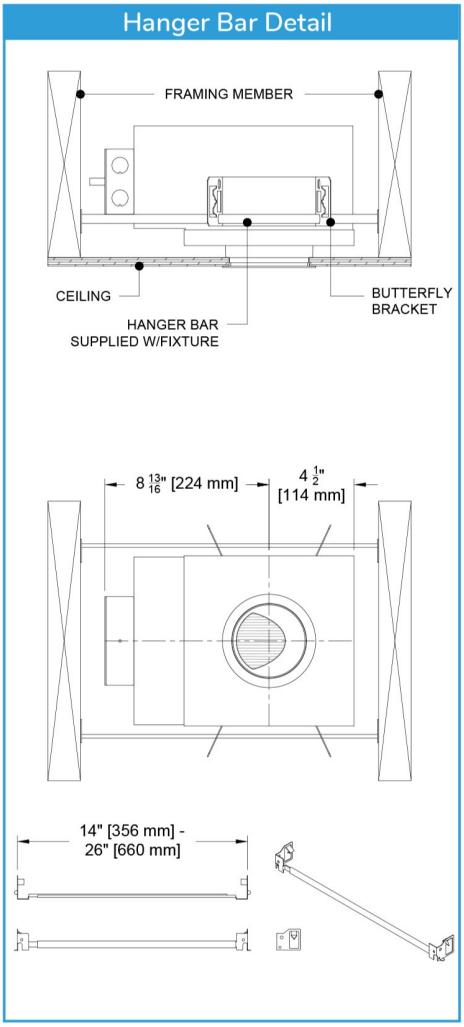


Round Flangeless Housing | Panel Mount (PM)

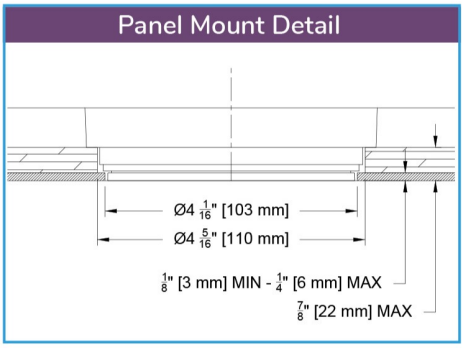
(CR4WW-RA-Z-PM)



Hanger Bar Detail



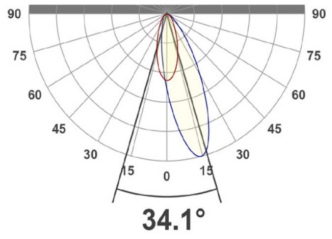
Panel Mount Detail



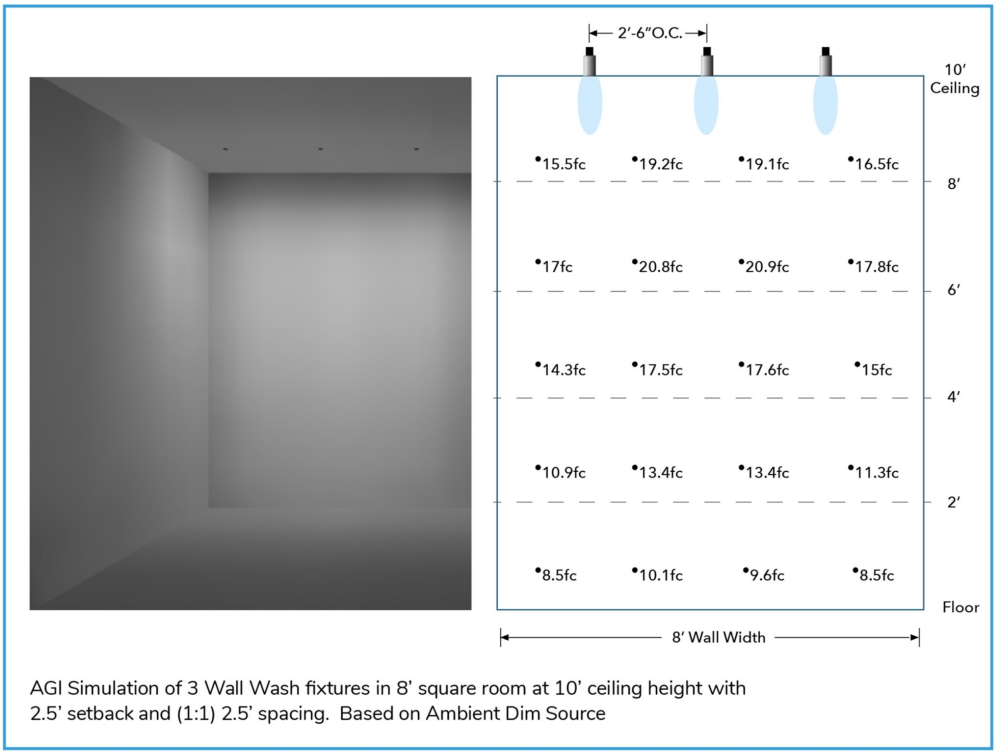
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Photometric Table

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 WW (CR4WW-RA) Beamspreads		35.6°		ISO CD Plot		
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt		CCT Multplier	
Citizen C14	14	833	60		2700	.95
Citizen C20	20	1056	53		3000	1.00
Citizen C28*	31	1616	53		3500	1.02
Ambient Dim A14	14	578	40		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

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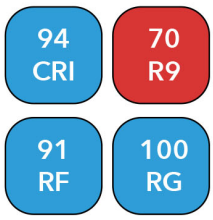
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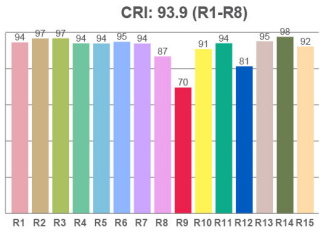
Color Data

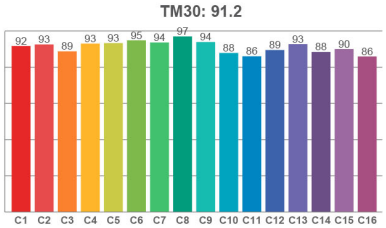
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT

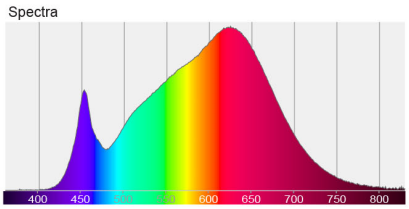
Citizen Sources - C14, C20 and C28

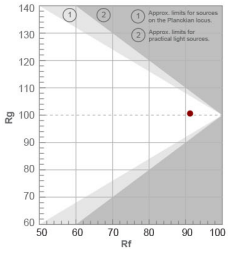
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1

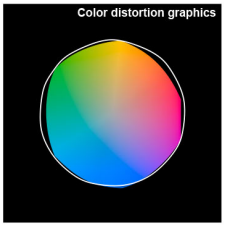


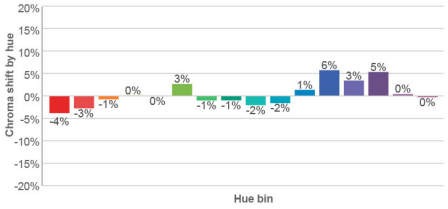






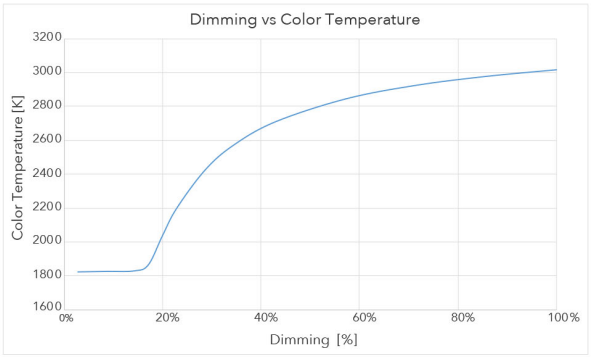






Ambient Dim - 3000k to 1900k

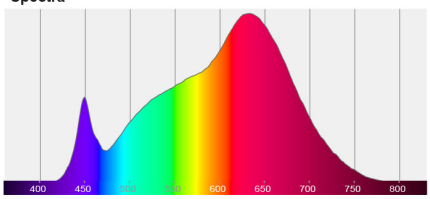
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range

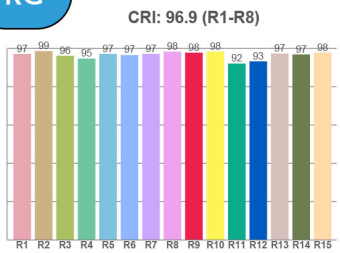


3000 CCT Full Output



Spectra

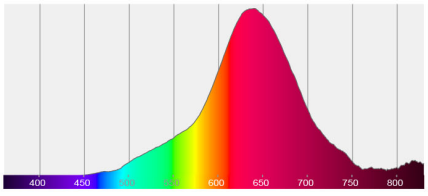


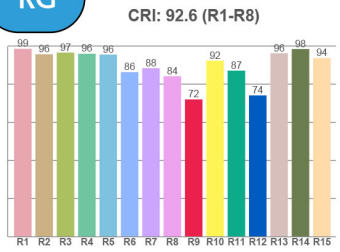


1850 CCT 5% Output



Spectra





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