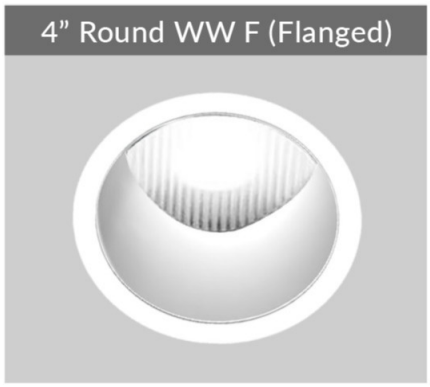
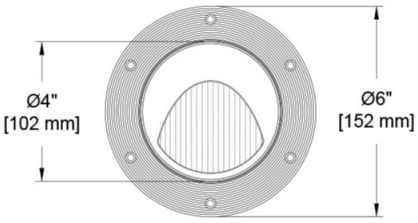
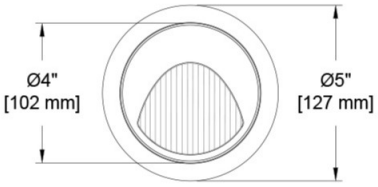
The Core Family

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.











Wood Trim Available

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

- 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 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

- TITLE 24 Compliant to JA8 with Airtight Housing (C14 source only)
- 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
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- Prewired and integral to housing
- Universal 120-277v

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Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

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

FIXTURE	TRIM	MOUNTING	LUMENS / WATTS	CCT	DRIVER / CONTROL	TRIM FINISH	ACCESSORIES
CR4WW-RF							

Core 4" Round Fixed Wall Wash

Flangeless Trims

Z
Flangeless Trim

ZS
Flangeless Shower Trim*

(for mounting choose from Flangeless Housings)

Flanged Trims

F
Flanged Trim

FS
Flanged Shower Trim*

(for mounting choose from Flanged Housings)

* Aperture Lens Required

Flangeless Housings

APM
Airtight Panel Mount
IC-Rated

P
Plaster

AP
Airtight Plaster
IC-Rated

PM
Panel Mount

Flanged Housings

U
Universal - Non IC Housing

ASU *
Airtight Shallow Universal
IC-Rated

AU
Airtight Universal
IC-Rated

Shallow Housing

ASPM
Airtight Shallow Panel
IC-Rated

ASU
Airtight Shallow Universal
IC-Rated

ASP
Airtight Shallow Plaster
IC-Rated

Supports CA Title 24 Compliance

Citizen

C14
14W
833Lm
90+CRI, 60+R9

C20
20W
1056Lm
90+CRI, 60+R9

C28
31W
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
90+CRI, 60+R9

Ambient Dim™

A14
15W
578Lm
95+CRI, 90+R9

A20
21W
858Lm
95+CRI, 90+R9

Supports CA Title24 Compliance

~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

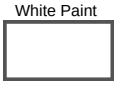
E3
0-10
0.1%, UNV (120-277V)
linear

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

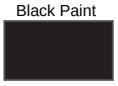
TR2
TruPhase™
0.1%, (120-120V) log
Up to 20W
Forward and Reverse compatible Phase Dimming
Static White & Ambient Dim only

LD
Digital Ecosystem
1.0%, UNV (120-277V)
ECO Hi-Lume SoftOn/Fade-to-Black
LDE1

W
White Paint



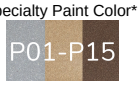
B
Black Paint



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*
**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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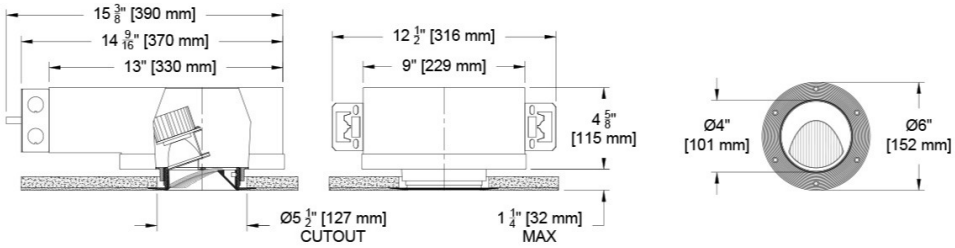
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Ceiling Cutouts and Dimensions

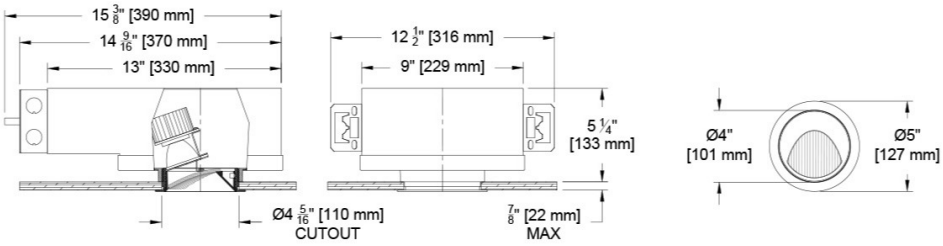
Round Flangeless Housing | Plaster Mount (P/AP)

CR4WW-RF-Z-P/AP-



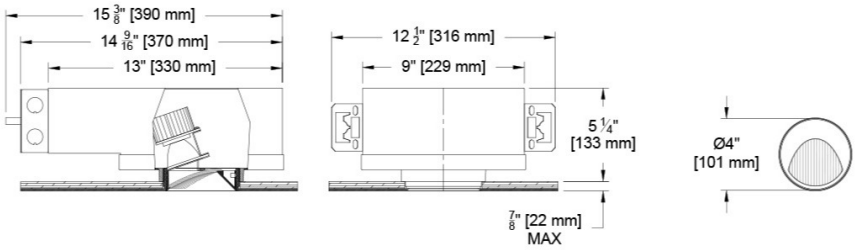
Round Flanged Housing | Universal Mount (U/AU)

CR4WW-RF-F-U/AU-



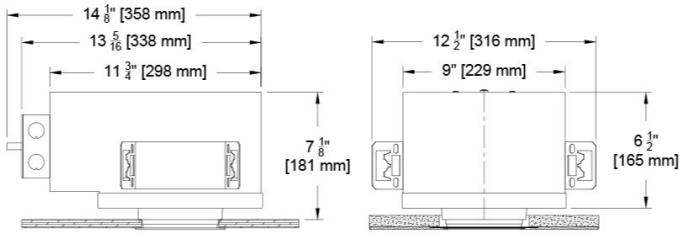
Round Flangeless Housing | Panel Mount (PM)

CR4WW-RF-Z-PM-

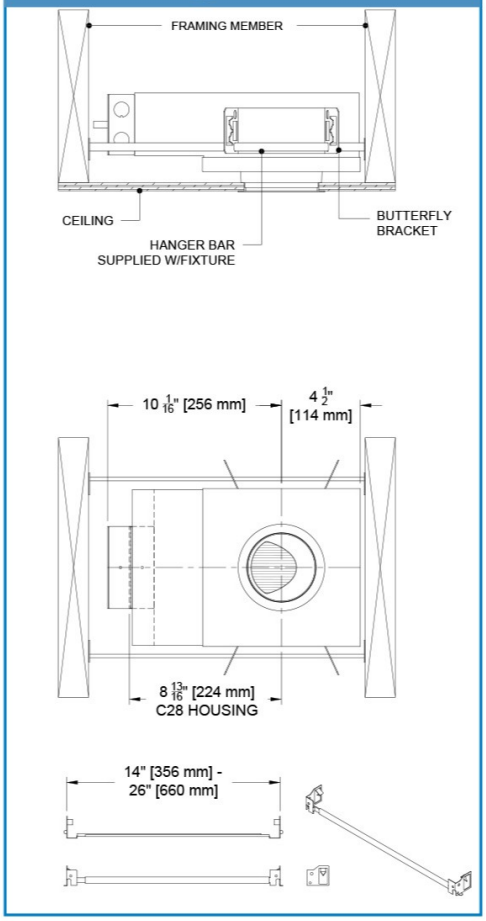


Round Housing for (P) (U) (PM) C28 Only*

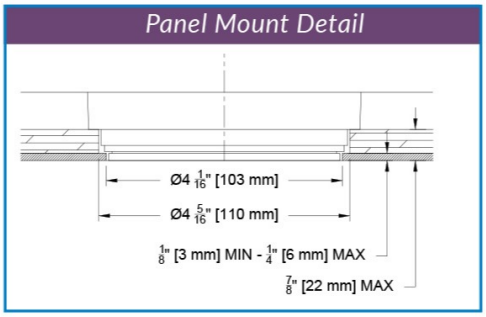
CR4WW-RF-F/Z-P/U/PM-C28-



Hanger Bar Detail



Panel Mount Detail

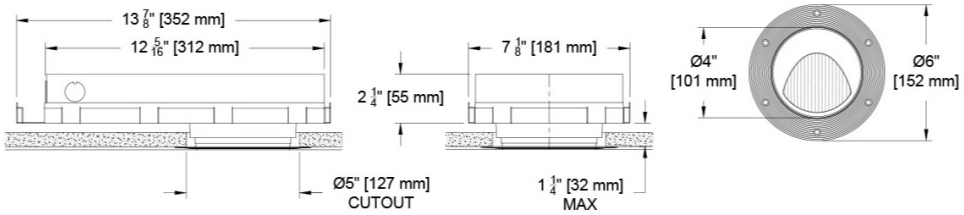


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Ceiling Cutouts and Dimensions

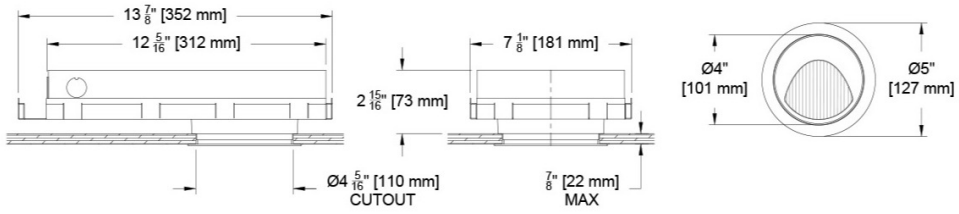
Round Flangeless Housing — Airtight Shallow Plaster (ASP)

CR4WW-RF-DR-Z-ASP-



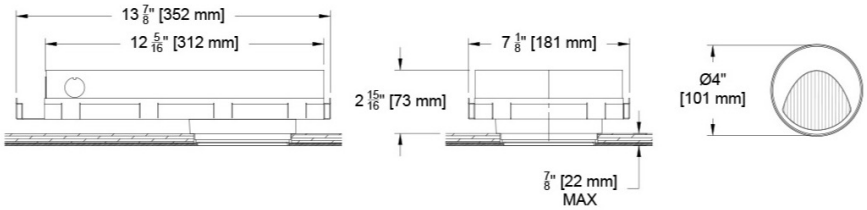
Round Flanged Housing — Airtight Shallow Universal (ASU)

CR4WW-RF-DR-F-ASU-

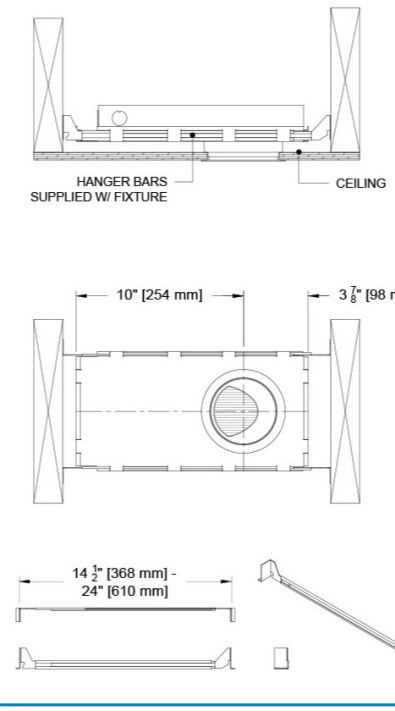


Round Flangeless Housing — Airtight Shallow Panel (ASPM)

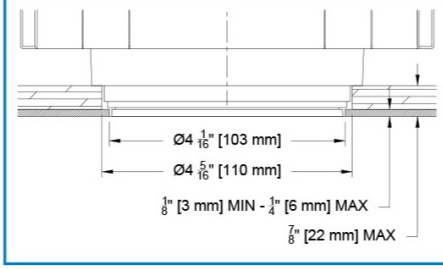
CR4WW-RF-Z-ASPM-



Hanger Bar Detail



Panel Mount Detail



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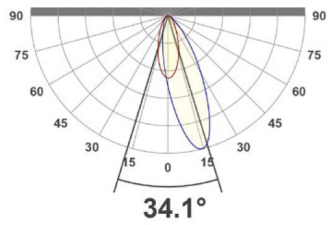
Photometric Table

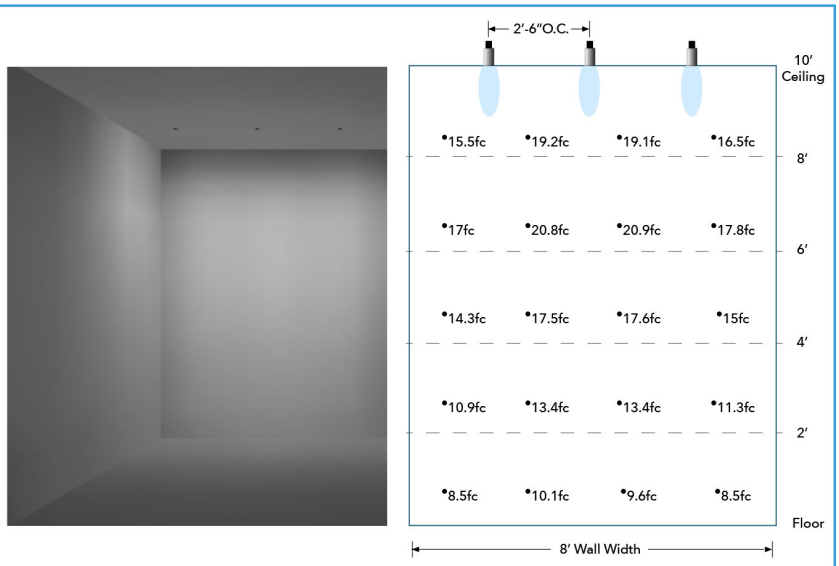
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT.

Round 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

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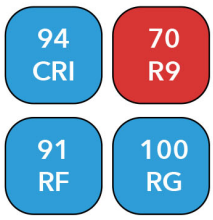
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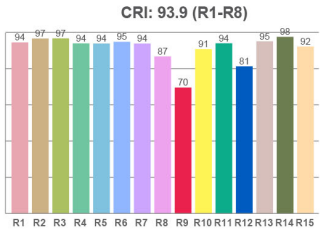
Color Data

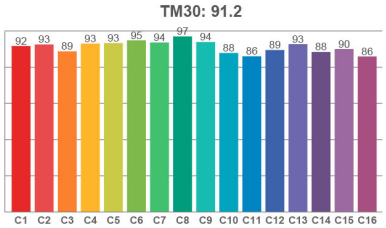
All data is based from goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT.

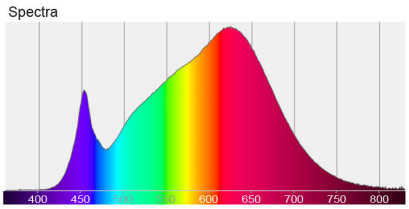
Citizen Sources - C14, C20 and C28

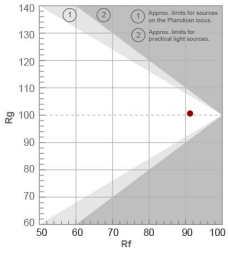
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1

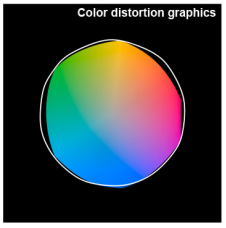


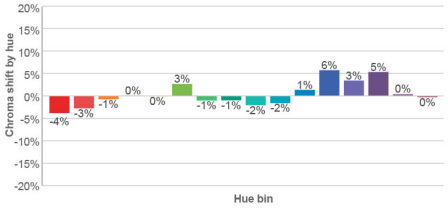






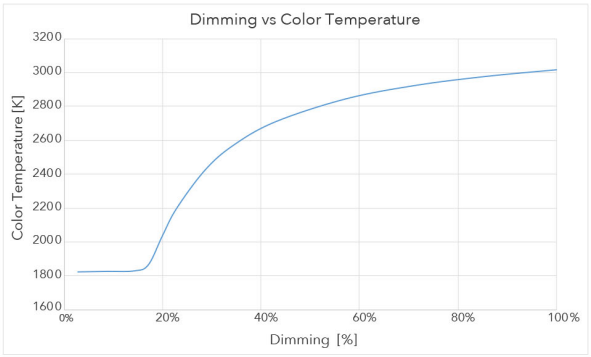






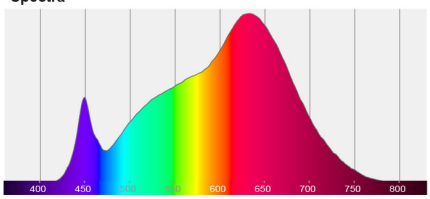
Ambient Dim - 3000k to 1900k

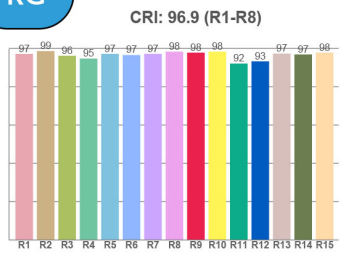
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



3000 CCT Full Output

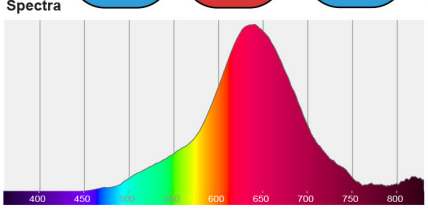


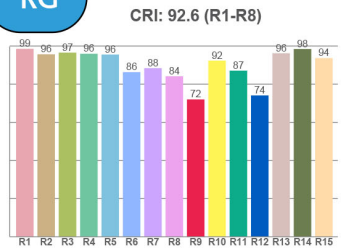




1850 CCT 5% Output







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