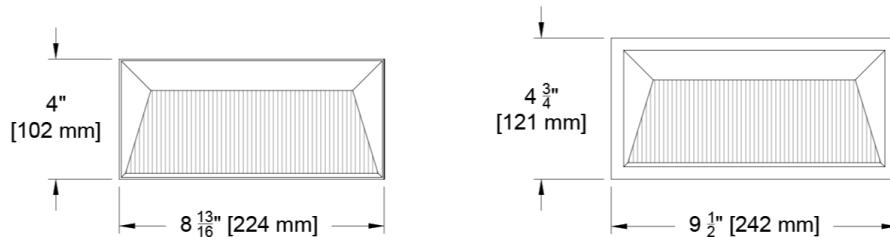
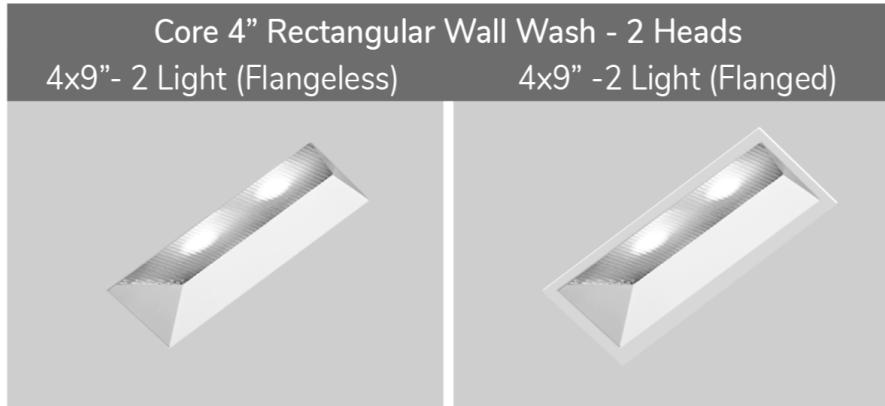


## The Core Family

Welcome to the Core line of fixtures. The family is filled with a rich diversity of options while keeping classic forms. This member of the family deploys 2 heads to increase the amount of washing light. Let us know if you need 3 heads - we can do as a modification. With many source, driver, control and finish options, including wood, this wall wash delivers a 3.7:1 uniformity from top to bottom of the wall.



PROJECT:

TYPE:

SPECIFIER:

DATE:

### Key Points (CR4MWW-TMHF)

#### Trim

- 14 color options + custom RAL or wood available
- Plaster Mount allows installation from below with large plaster flange and lip
- Individual die cast aluminum or machined wood trim assembled to look as one contiguous multi cell fixture

#### Source / Optics

- Wall wash achieves a uniform 3.7:1 ratio from top to bottom of 10' wall
- Over 2000 lumens delivered with both heads and C28 source selection
- <2 MacAdam Steps (<2SDCM) for fixed white
- 90 CRI, 60+ R9 Standard- 95 CRI 90+R9 Optional
- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, Tunable White and RGBW options

#### Housing

- 3 types of flangeless mounting options
- Heavy gauge aluminum for new construction or remodel
- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring

-  Listed – Damp

-  Compliant to  with Airtight/IC Housing

#### Driver

- TruPhase™ Dimming to 0.1% available
- Prewired and integral to housing
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Universal 120-277v

# Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4MWW-TMHF-Z-AU-C20-35-LD-2C-P16-LR

Fixture	Trim	Mounting	Source / Watts	CCT	Driver / Control	Circuits	Trim Finish	Accessories
CR4MWW-TMHF								

Core 4" Rectangular Multiple Fixed Wall Wash - 2 Head

Flanged Trim

Z Flangeless Trim

U Universal - Non IC\*

AU Universal IC/Airtight\*^

P Plaster - Non IC

AP Plaster IC/Airtight^

PM Panel Mount - Non IC\*

APM Panel Mount Airtight/IC\*^

California Title 24 Compliant

\*Precision cutout required

^Cannot be used with

C28 source

A14 15W 461Lm\*\*

95+CRI, 90+R9

A20 21W 858Lm

95+CRI, 90+R9

Tunable

T14 90+CRI, 60+R9

Tunable White

T20 21W 1490Lm^

90+CRI, 60+R9

Tunable White

RGBW 90+CRI, 60+R9

California Title 24

Compliant to JA8.

\* Requires Active Cooling

and not compatible with

IC/Airtight housing. Not

compatible with L2 and LP

drivers.

\*\* Based on single cell.

Citizen

C14 15W 679Lm\*\*

90+CRI, 60+R9

C20 21W 832Lm\*\*

90+CRI, 60+R9

C28 30W 1069Lm\*\*

90+CRI, 60+R9

Ambient Dim™

2722 \* 2700-2200K

\*A14 Only

3019 3000-1900K

3022 \* 3000-2200K

\*A14 Only

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

C1 0-10

1.0%, UNV (120-277V) linear

C2 ELV/Triac

1.0%, (120-277V) 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 &amp; 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\*\*

\* Wood "D" selection

to be used with Z trim

and PM mounting -

Refer to Wood Trim

Guide

\*\* Refer to Finish

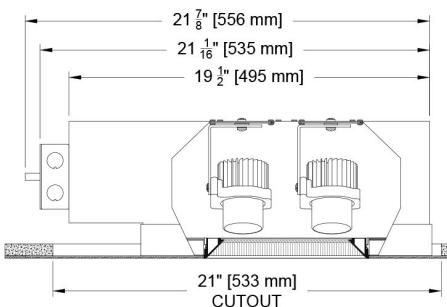
Guide

FINISH GUIDE LINK

WOOD TRIM GUIDE

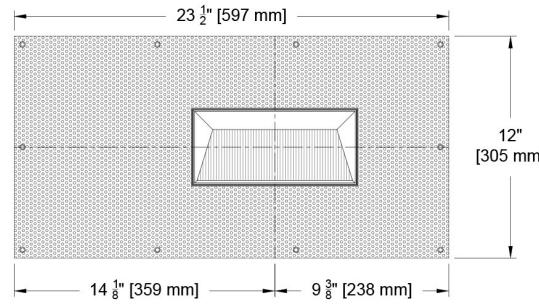
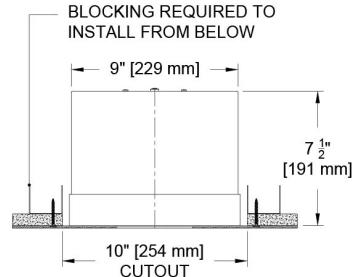
## Ceiling Cutouts and Dimensions

### 2 Head Flangeless Housing



### Plaster Mount (P/AP)

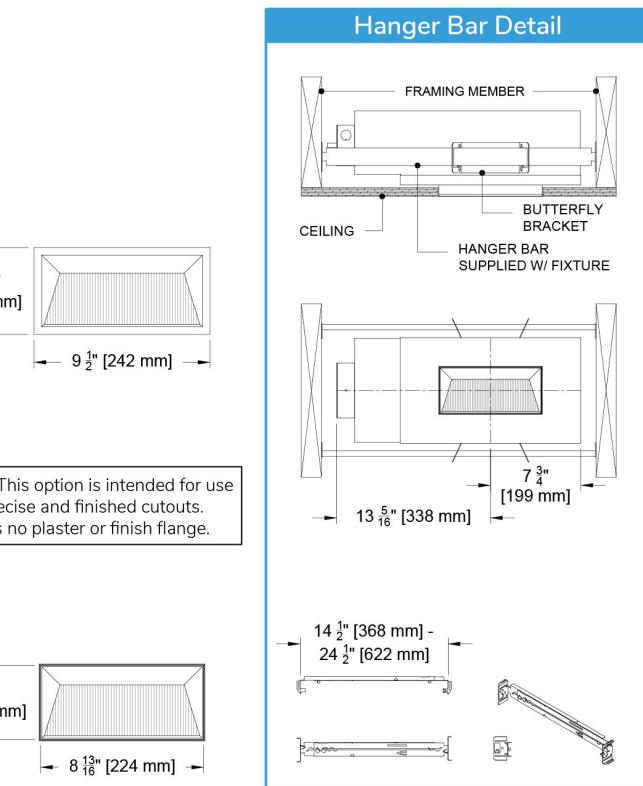
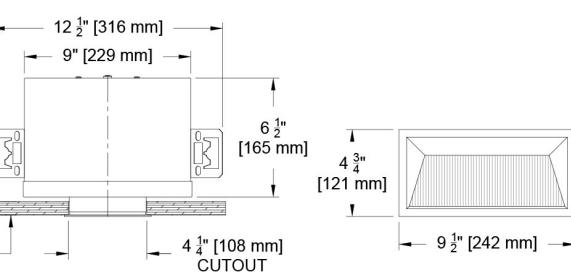
(CR4MWW-TMHF-Z-P/AP)



### 2 Head Flanged Housing

### Flanged Mount (U/AU)

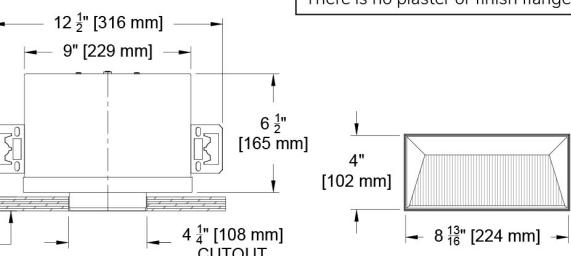
(CR4MWW-TMHF-F-U/AU)



### 2 Head Flangeless Housing

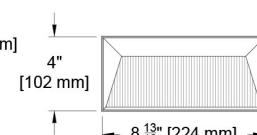
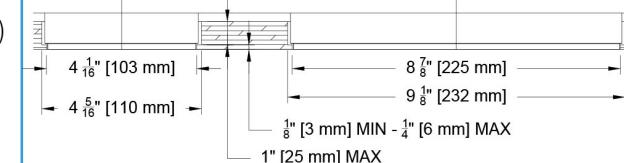
### Flangeless Mount (U/AU)

(CR4MWW-TMHF-Z-U/AU)



NOTE: This option is intended for use with precise and finished cutouts. There is no plaster or finish flange.

### Panel Mount Detail

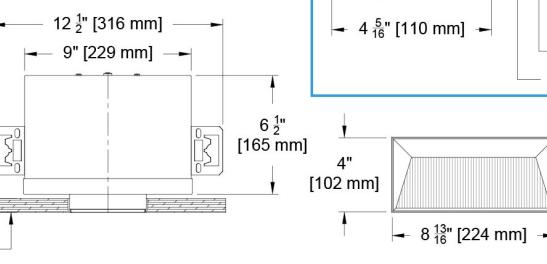


NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

### 2 Head Flangeless Housing

### Panel Mount (PM/APM)

(CR4MWW-TMHF-Z-PM/APM)

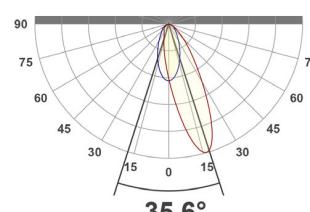
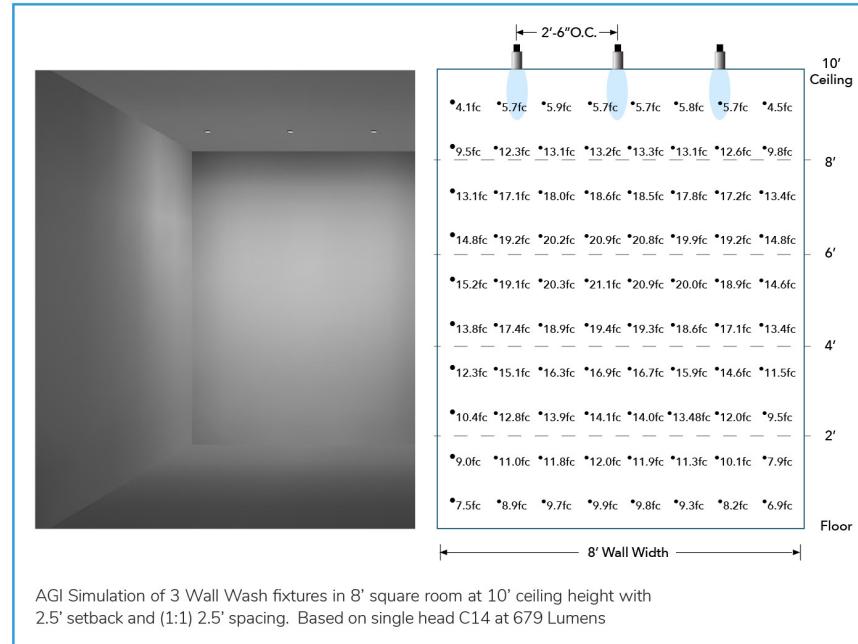


## Photometric Table

All data is based from goniometer measurements of production representative single head fixture. Multiple heads will deliver additional light and will need to be accounted for individually in calculations. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT.

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 measurements are delivered or derived delivered lumens at 3000K. For other CCTs use the following multipliers: 2700 - 0.95, 3500 - 1.02, 4000, 1.03. Values are based on a single head Core 4" square wall wash (CR4WW-SF). Multiple heads will deliver more light and will need to be accounted for individually in calculations. Ambient Dim measured at full output.\*C28 requires active cooling and NIC housing

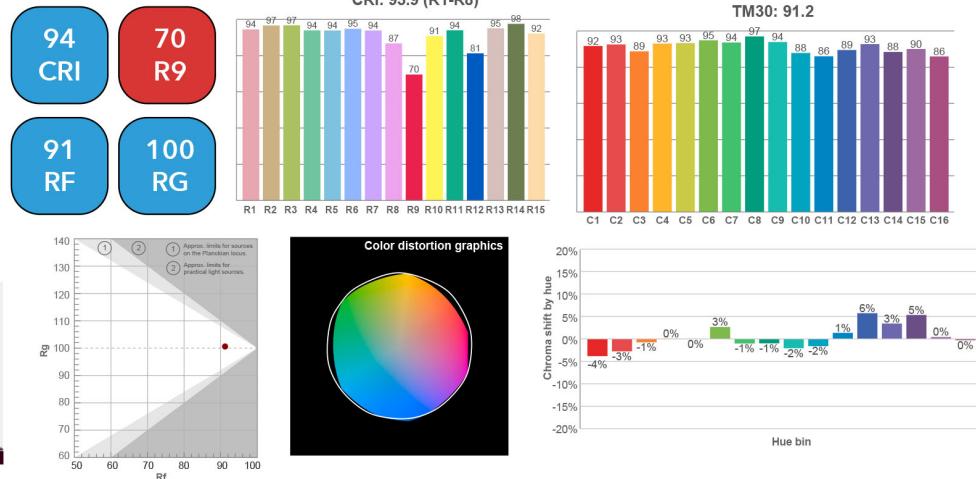



## Color Data

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

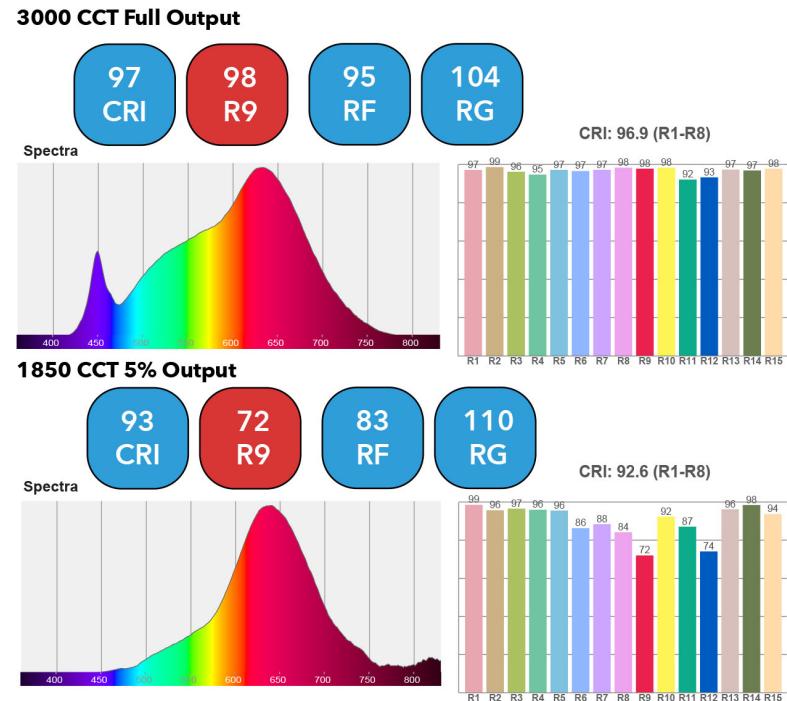
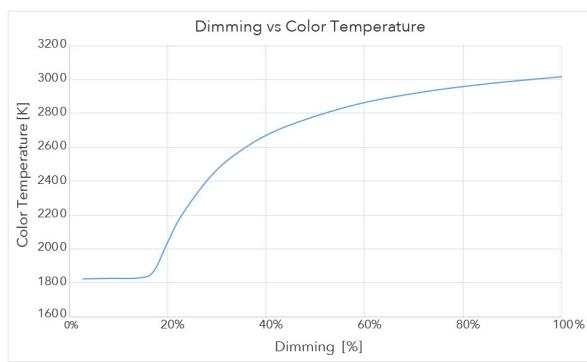
### Citizen Sources for C14, C20 and C28

- <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



## Tunable White and RGBW

Color and flux information available upon request