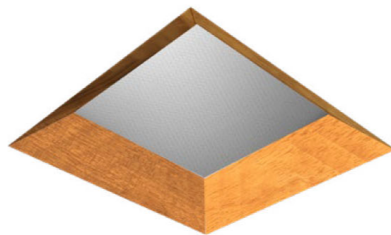
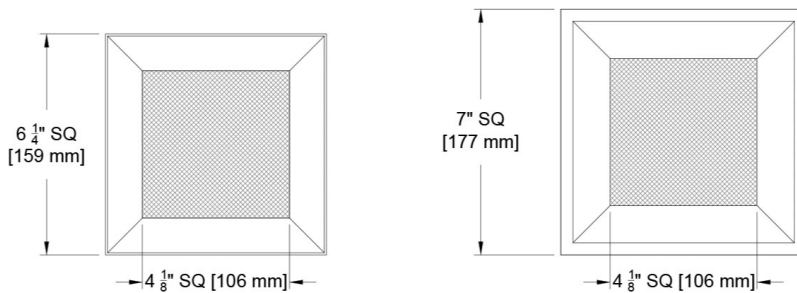
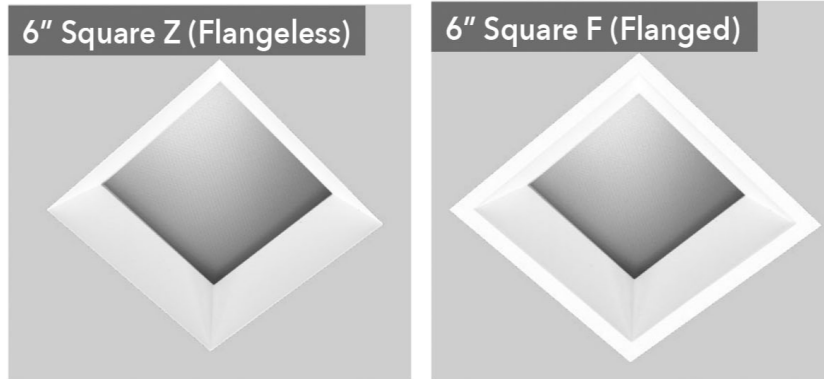


## The Core Family

Welcome to the Core 6" square fixed downlight where up to 3500 lumens are packaged in Specialty Lighting elegance. 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), multiple beam spreads and a plethora of driver and control choices. The Core downlight is created on a platform allowing a high degree of modification, so if you don't see what you are looking for, just ask. We are here to make your project right.



Wood Trim Available

PROJECT:

TYPE:

SPECIFIER:

DATE:

### Key Points (CR6D-SF)

#### Trim

- Flanged or Flangeless
- Flangeless includes plaster flange with lip
- 14 color options + custom RAL or wood available
- One-piece die cast aluminum or machined wood trim

#### Source / Optics

- 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 3500 delivered lumens
- 3 beamspreads available- 20°, 38° and 65°

#### Housing

- Heavy gauge aluminum for new construction or remodel
- **TITLE 24** Fixture supports CA Title 24 compliance to JA8 requirements 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

#### 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

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR6D-SF-Z-AP-C23-35-38-E2-P14-91A-CP

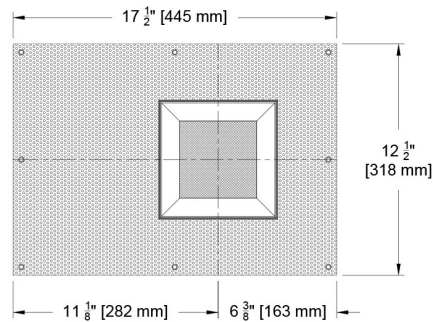
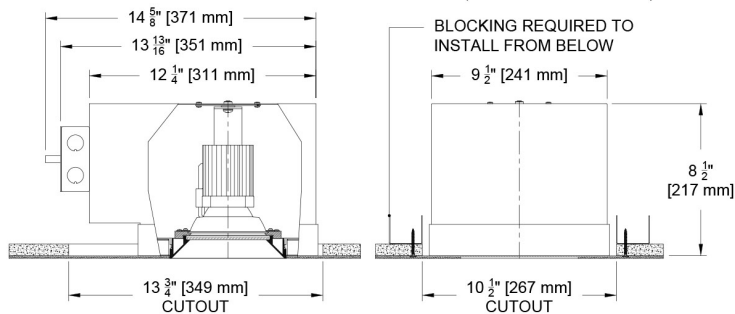
FIXTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR6D-SF									
Core 6" Square Fixed Downlight	<div>Flanged Trims</div> <div>F</div> <div>Flanged Trim</div> <div>FS</div> <div>Flanged Shower Trim*</div> <div>(for mounting choose from Flanged Housings)</div> <div>Flangeless Trims</div> <div>Z</div> <div>Flangeless Trim</div> <div>ZS</div> <div>Flangeless Shower Trim*</div> <div>(for mounting choose from Flangeless Housings)</div> <div>* Aperture Lens Required</div>	<div>Flanged Housings</div> <div>U</div> <div>Universal - Non-IC Housing</div> <div>AU</div> <div>Universal IC/Airtight*</div> <div>Flangeless Housings</div> <div>P</div> <div>Plaster - Non-IC Housing</div> <div>AP</div> <div>Plaster IC/Airtight*</div> <div>PM</div> <div>Panel Mount</div> <div>APM</div> <div>Panel Mount Airtight/IC*</div> <div>Supports CA Title24 compliance</div> <div>*Cannot be used with C34 and A34 Source</div>	<div>Citizen</div> <div>C11</div> <div>13W</div> <div>1428Lm**</div> <div>90+CRI, 60+R9</div> <div>C16</div> <div>19W</div> <div>2033Lm**</div> <div>90+CRI, 60+R9</div> <div>C23</div> <div>27W#</div> <div>2791Lm**</div> <div>90+CRI, 60+R9</div> <div>C34</div> <div>38W*#</div> <div>3586Lm**</div> <div>90+CRI, 60+R9</div> <div>Tunable</div> <div>T9</div> <div>90+CRI, 60+R9</div> <div>Tunable White</div> <div>T14</div> <div>13W</div> <div>90+CRI, 70+R9</div> <div>Tunable White</div> <div>T20</div> <div>21W</div> <div>90+CRI, 60+R9</div> <div>Tunable White</div> <div>RGBW</div> <div>90+CRI, 60+R9</div> <div>Ambient Dim™</div> <div>A14</div> <div>15W</div> <div>95+CRI, 90+R9</div> <div>A20</div> <div>21W</div> <div>95+CRI, 90+R9</div> <div>A34</div> <div>38W*#</div> <div>2494Lm**</div> <div>90+CRI, 60+R9</div> <div>Supports CA Title 24 Compliance to JA8.</div> <div>* Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers.</div> <div># Not compatible with LP Driver.</div> <div>+LTT or EidoLED driver selection required and will be supplied with 2 channel version.</div>	<div>24</div> <div>2400K</div> <div>27</div> <div>2700K</div> <div>35</div> <div>3500K</div> <div>30</div> <div>3000K</div> <div>40</div> <div>4000K</div> <div>Tunable</div> <div>TW1840</div> <div>1800-4000K</div> <div>Tunable White</div> <div>w/ E1, E2, E3, E4</div> <div>TW2765</div> <div>2700-6500K</div> <div>Tunable White</div> <div>w/ E1, E2, E3, E4</div> <div>RG1280</div> <div>1200-8000K</div> <div>RGBW Dynamic Color Changing</div> <div>*Requires E2 or E4</div> <div>Ambient Dim™</div> <div>2722 *</div> <div>2700-2200K</div> <div>*A14 Only</div> <div>3019</div> <div>3000-1900K</div> <div>3022 *</div> <div>3000-2200K</div> <div>*A14 Only</div>	<div>20</div> <div>Spot</div> <div>38</div> <div>Flood</div> <div>65</div> <div>Wide Flood</div>	<div>C1</div> <div>0-10</div> <div>1.0%, UNV (120-277V) linear</div> <div>C2</div> <div>ELV/Triac</div> <div>1.0%, (120-277V) linear</div> <div>E1</div> <div>0-10</div> <div>0.1%, UNV (120-277V) log</div> <div>E2</div> <div>DALI-2</div> <div>0.1%, UNV (120-277V) log</div> <div>E3</div> <div>0-10</div> <div>0.1%, UNV (120-277V) linear</div> <div>E4^</div> <div>DMX</div> <div>0.1%, UNV (120-277V) Universal DMX Driver/Controller</div> <div>RGBW-DMX</div> <div>^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS</div> <div>LD</div> <div>Digital Ecosystem</div> <div>1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1</div> <div>TR2</div> <div>TruPhase™</div> <div>0.1%, (100-277V) linear Up to 20W Forward and Reverse compatible Phase Dimming Static White &amp; Ambient Dim only</div> <div>* Not compatible with C23, C34 and A34</div>	<div>W</div> <div>White Paint</div> <div>B</div> <div>Black Paint</div> <div>D</div> <div>Wood*</div> <div>PXX</div> <div>Specialty Paint Color*</div> <div>P01-P15</div> <div>C</div> <div>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>Aperture Lens</div> <div>91A</div> <div>Solite</div> <div>93A</div> <div>Frosted</div> <div>XXA</div> <div>Other Aperture Lens Treatments*</div> <div>1 piece of media per opening (aperture or reflector) can be selected.</div> <div>*See Lens Accessory Guide</div> <div>LENS ACCESSORY VISUAL GUIDE LINK</div>	<div>CP</div> <div>Chicago Plenum</div> <div>EM</div> <div>Emergency Pack</div> <div>Controls</div> <div>LR</div> <div>Lutron Wireless RF PowPak</div> <div>ATH</div> <div>Lutron Athena Wireless Node</div> <div>Must be used with E2 driver</div> <div>CA</div> <div>Casambi Wireless BLE to be paired with driver</div>

# Ceiling Cutouts and Dimensions

## Square Flangeless Housing

## Plaster Mount (P/AP)

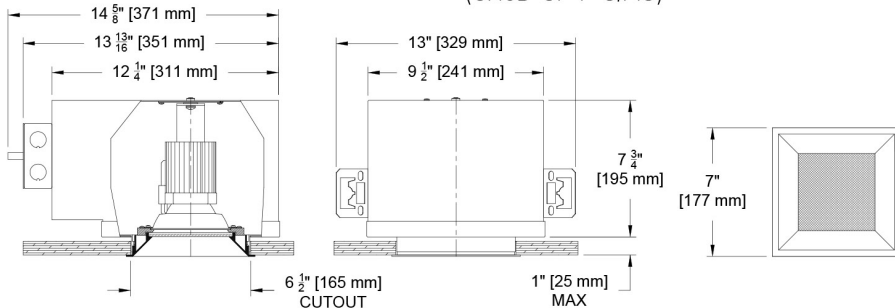
(CR6D-SF-Z-P/AP)



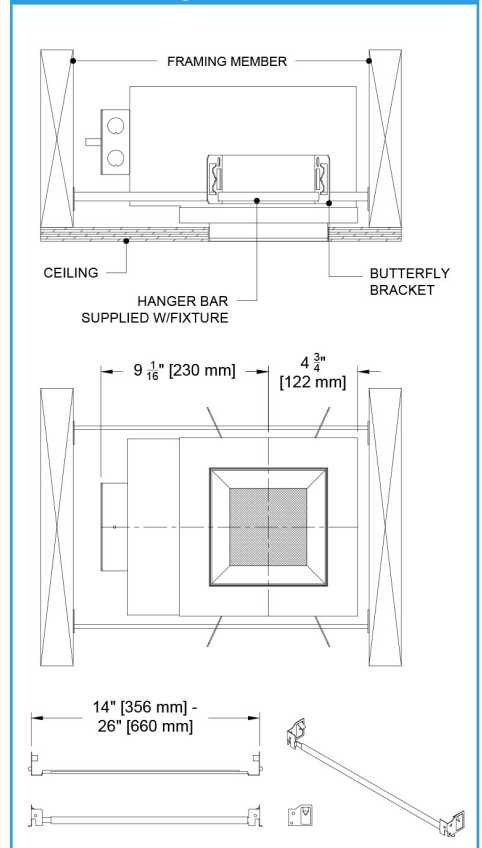
## Square Flanged Housing

## Flanged Mount (U/AU)

(CR6D-SF-F-U/AU)



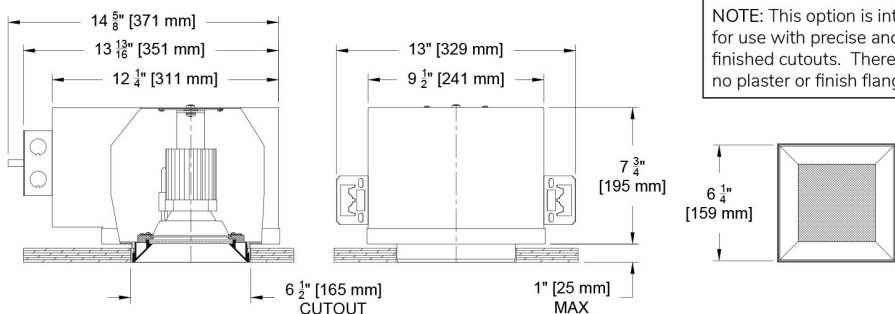
## Hanger Bar Detail



## Square Flanged Housing

## Flangeless Mount (U/AU)

(CR6D-SF-Z-U/AU)

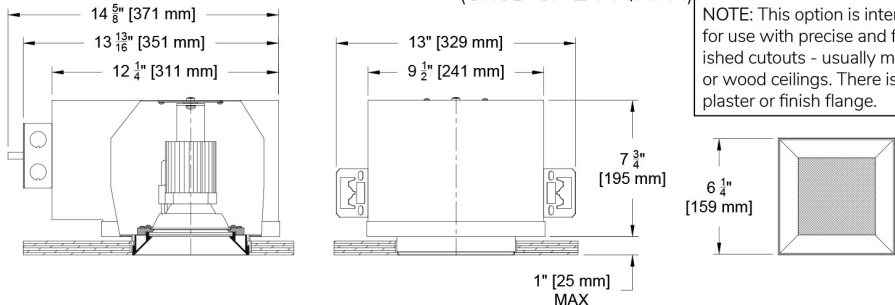


NOTE: This option is intended for use with precise and finished cutouts. There is no plaster or finish flange.

## Square Flangeless Housing

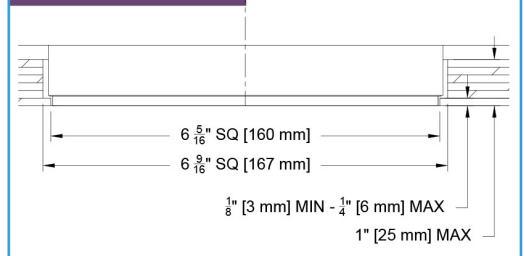
## Panel Mount (PM/APM)

(CR6D-SF-Z-PM/APM)



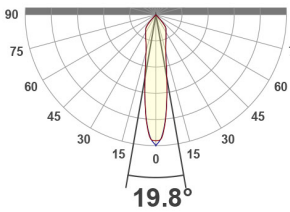
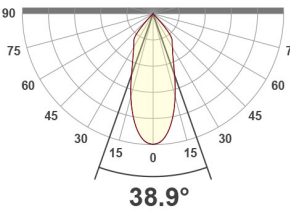
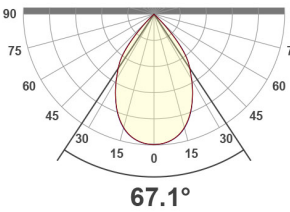
NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

## Panel Mount Detail



Photometric Table

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

SQUARE Beamspreads		20°					38°				65°			
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field		Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Del. Lumens (lm)	Lms/ Watt	Peak CD	10% Field
Open Regress	Citizen C11	13	1428	108	4060	80°	1410	107	2186	86°	1406	107	1339	90°
	Citizen C16	19	2033	107	5729	80°	2002	105	3086	86°	1998	105	1910	90°
	Citizen C23	27	2791	102	7980	80°	2776	101	4274	86°	2761	101	2634	90°
	Citizen C34*	38	3586	95	10089	80°	3544	94	5466	86°	3529	94	3374	90°
	Ambient Dim A34*	38	2494	67	6872	81°	2359	63	3530	86°	2489	66	2383	90°
CCT Multiplier		Beam angle					Beam angle				Beam angle			
CCT	Citizen													
2700	0.94													
3000	1.00													
3500	1.02													
4000	1.04													
All measurements based on 3000 CCT. Ambient Dim based on full output.														

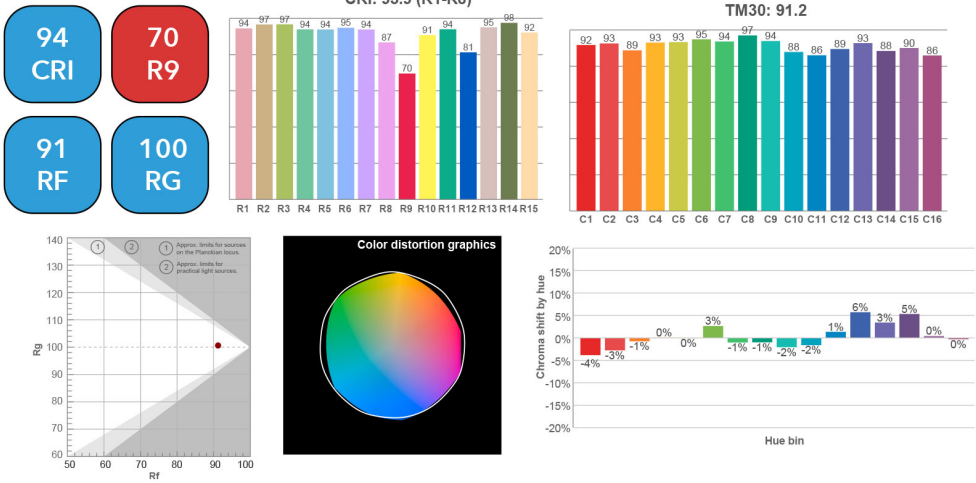
\* Requires active cooling. ISO CD plot based on C23 source

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

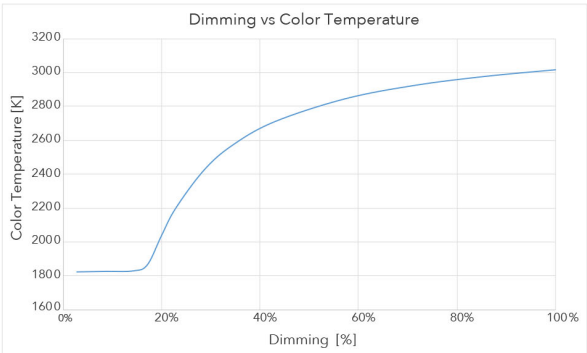
Citizen Sources - C11, C16, C23 and C34

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

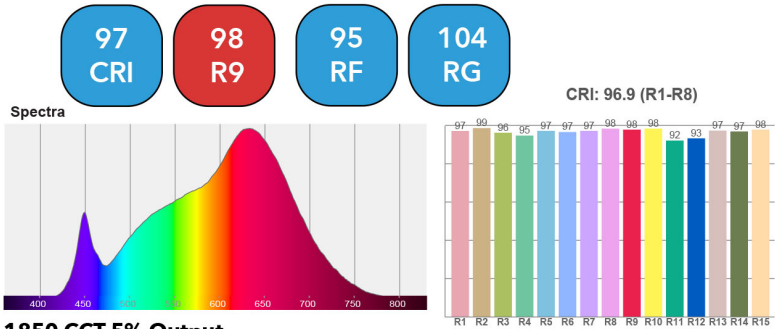


Ambient Dim A34 - 3000k to 1900k

- <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

