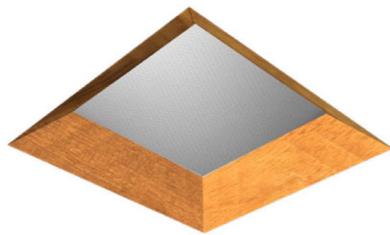
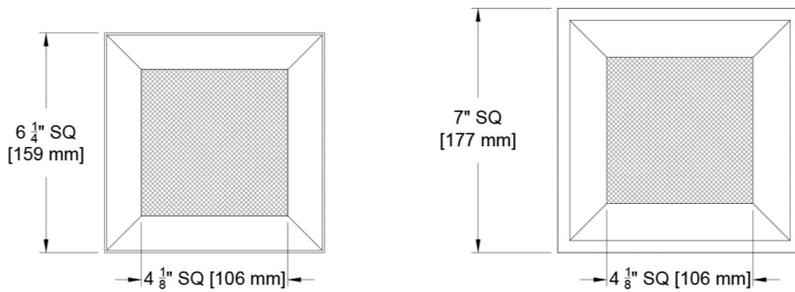
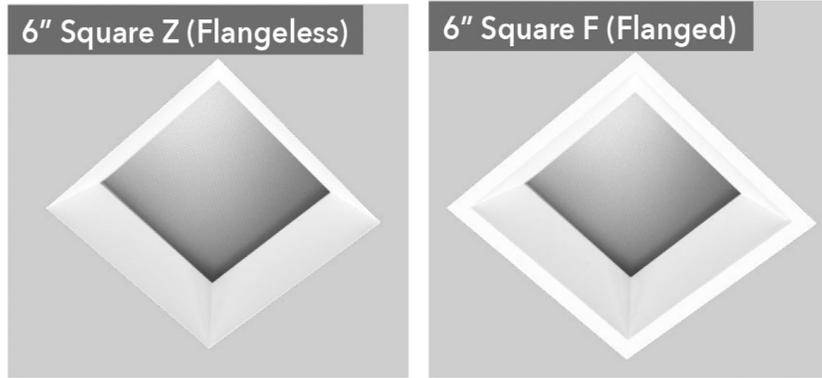


## The Core Family

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** cULus 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:

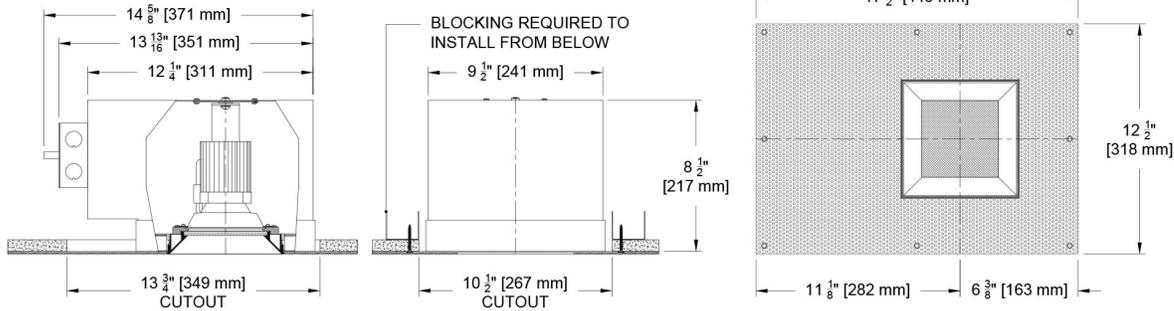
Ordering Code Example: CR6D-SF-Z-AP-C23-35-38-E2-P14-91A-CP

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

# Ceiling Cutouts and Dimensions

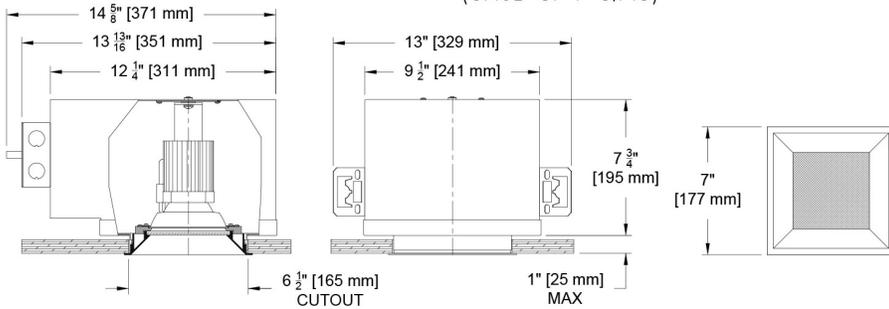
## Square Flangeless Housing Plaster Mount (P/AP)

(CR6D-SF-Z-P/AP)

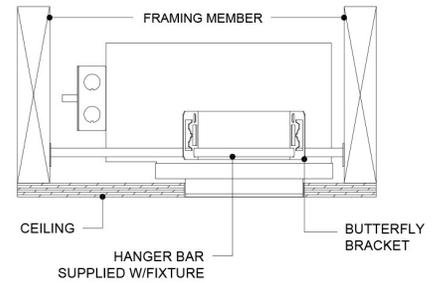


## Square Flanged Housing Flanged Mount (U/AU)

(CR6D-SF-F-U/AU)

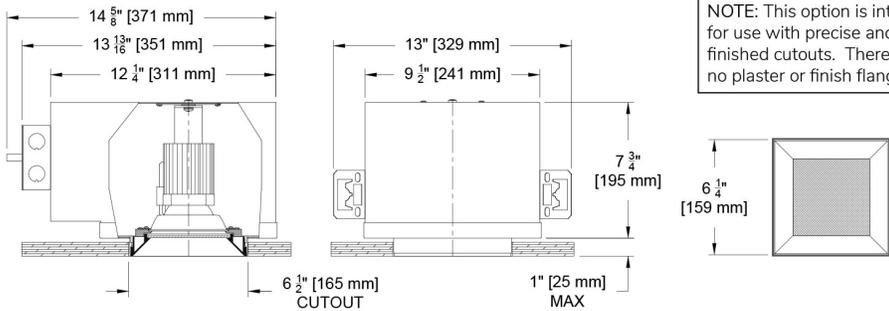


### Hanger Bar Detail

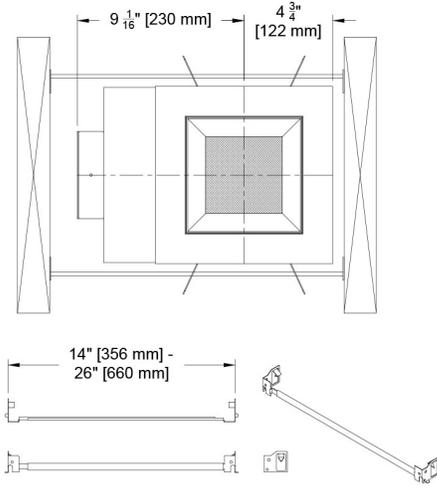


## Square Flanged Housing Flangeless Mount (U/AU)

(CR6D-SF-Z-U/AU)

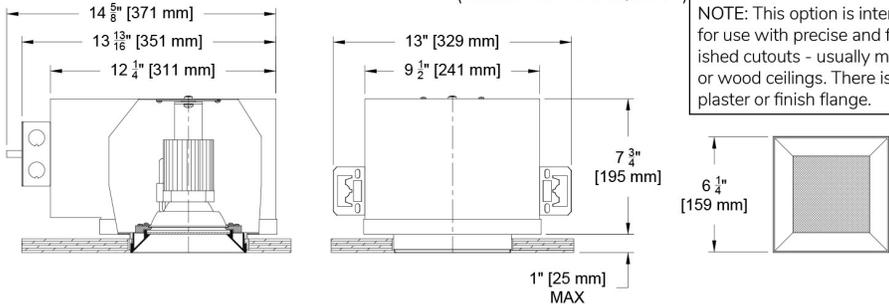


NOTE: This option is intended for use with precise and finished cutouts. There is no plaster or finish flange.



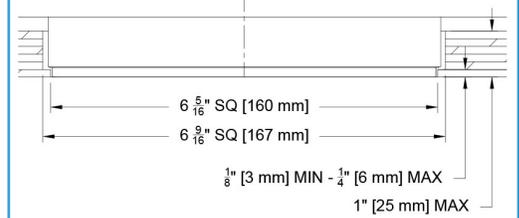
## Square Flangeless Housing Panel Mount (PM/APM)

(CR6D-SF-Z-PM/APM)



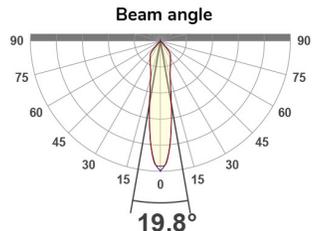
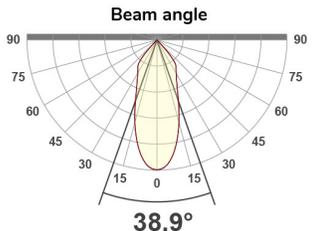
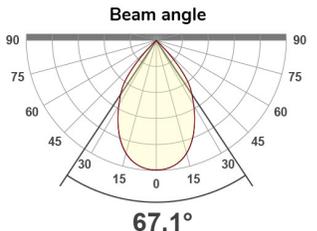
NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

### 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														
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.														

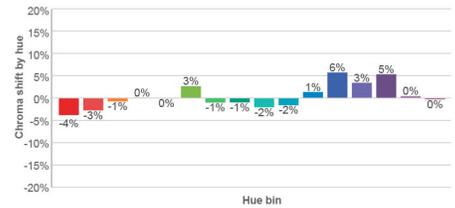
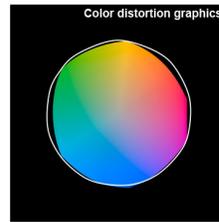
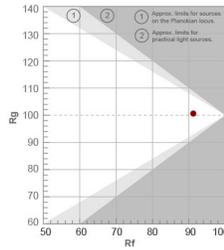
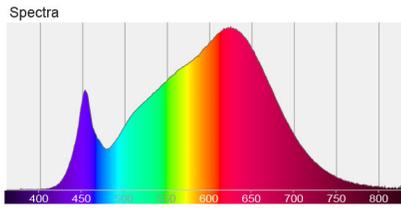
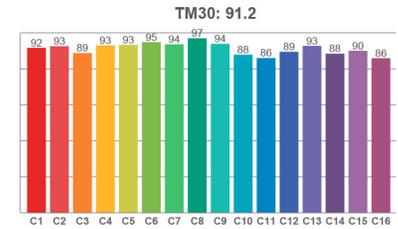
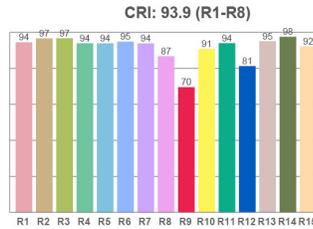
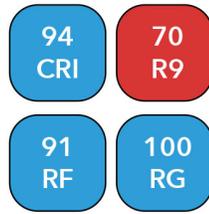
\* Requires active cooling. ISO CD plot based on C23 source

# 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

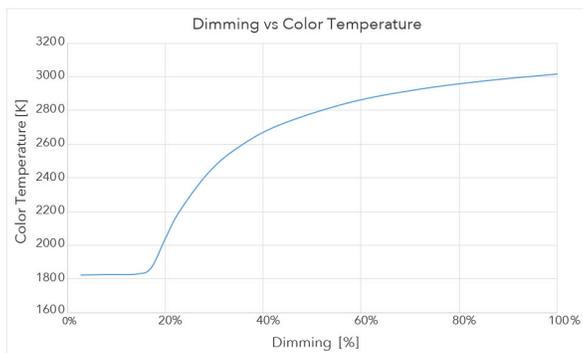
## Citizen Sources - C11, C16, C23 and C34

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

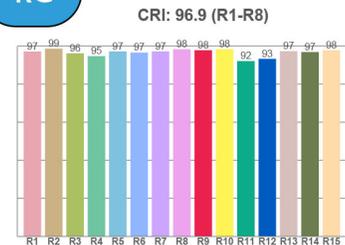
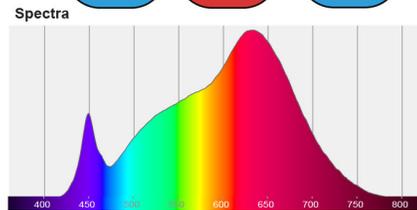


## Ambient Dim A34 - 3000k to 1900k

- <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

