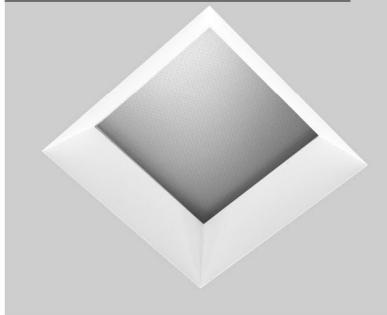


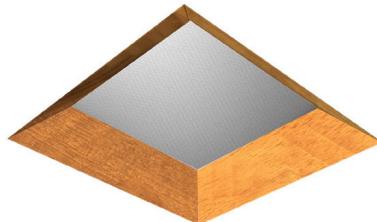
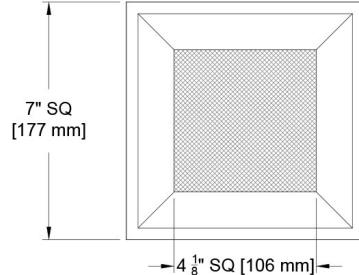
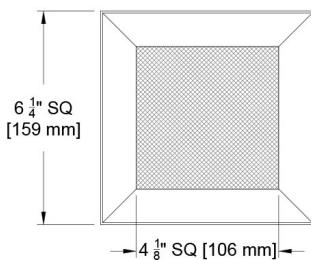
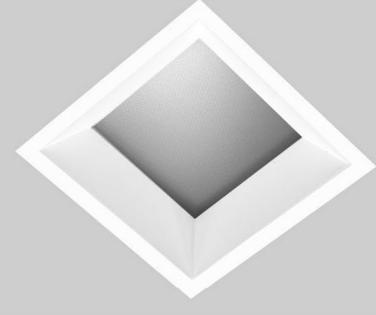
## The Core Family

Welcome to the Core 6" adjustable downlight where up to 3300 lumens are packaged in Specialty Lighting elegance. You will find a rich diversity of technical and aesthetic options: 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.

6" Square Z (Flangeless)



6" Square F (Flanged)



Wood Trim Available

PROJECT:

TYPE:

SPECIFIER:

DATE:

### Key Points (CR6D-SA)

#### 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 3300 delivered lumens
- Adjustable to 35° with 358° of rotation
- 3 beamspreads available- 20°, 26° and 40°

#### Housing

-   Fixture supports compliance to requirements with Airtight Housing
-  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, 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-SA-Z-AP-C23-35-26-E2-P14-91A-CP

Fixture	Aperture	Trim	Mounting	Source / Watts	CCT	Beam	Driver / Control	Trim Finish	Lens Accessories	Accessories
CR6D-SA	OR Open Recess	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 Required	Flanged Housings U Universal - Non-IC Housing AU Universal IC/Airtight* Flangeless Housings P Plaster - Non-IC Housing AP Plaster IC/Airtight* PM Panel Mount APM Panel Mount Airtight/IC* ● Supports CA Title24 compliance *Cannot be used with C34 and A34 Source	Citizen C11 13W 1344Lm** 90+CRI, 60+R9 C16 19W 1905Lm** 90+CRI, 60+R9 C23 27W # 2655Lm** 90+CRI, 60+R9 C34 38W *# 3354Lm** 90+CRI, 60+R9 Tunable T9 90+CRI, 60+R9 Tunable White T14 13W 90+CRI, 70+R9 Tunable White T20 21W 90+CRI, 60+R9 Tunable White RGBW 90+CRI, 60+R9 Ambient Dim™ A14 15W 95+CRI, 90+R9 A20 21W 95+CRI, 90+R9 A34 38W *# 2381Lm** 90+CRI, 60+R9 ● 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 EldoLED driver selection required and will be supplied with 2 channel version	24 2400K 30 3000K 35 3500K 40 4000K 27 2700K 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	20 Spot 26 Narrow Flood 40 Flood	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 & Ambient Dim only * Not compatible with C23, C34 and A34	W White Paint B Black Paint D Wood* PXX Specialty Paint Color* P01-P15	Aperture Lens 91A Solite 93A Frosted XXA Other Aperture Lens Treatments* Reflector (lamp) Media 91L Solite 93L Frosted 97L Black Hexcel Louver XXL Other reflector (lamp) media*	CP Chicago Plenum EM Emergency Pack Controls LR Lutron Wireless RF PowPak ATH Lutron Athena Wireless Node Must be used with E2 driver CA Casambi Wireless BLE to be paired with driver

\* Wood "D" selection to be used with Z trim and PM/APM mounting - Refer to Wood Trim Guide

\*\* Refer to Finish Guide

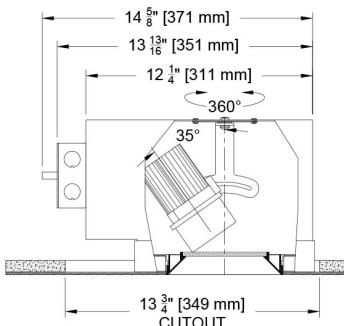
FINISH GUIDE LINK

WOOD TRIM GUIDE

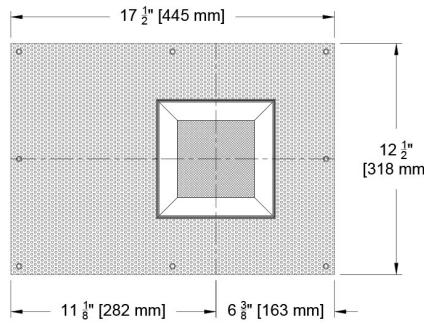
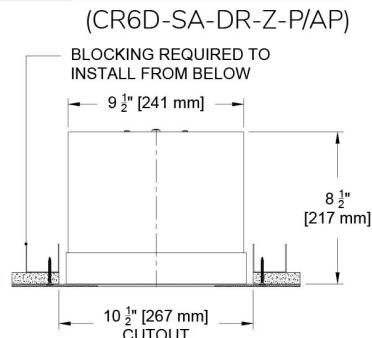
LENS ACCESSORY VISUAL GUIDE LINK

# Ceiling Cutouts and Dimensions

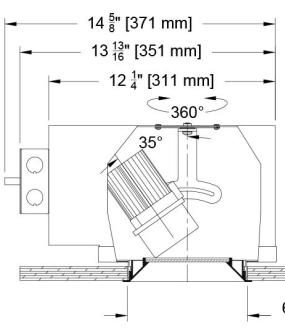
## Square Flangeless Housing



## Plaster Trim (P/AP)

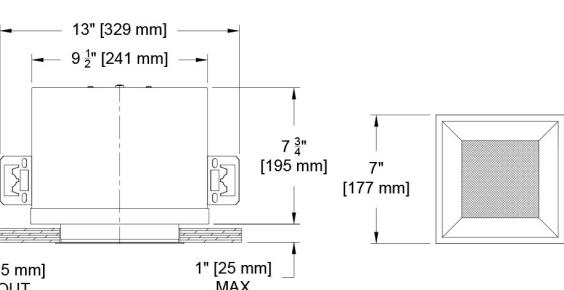


## Square Flanged Housing

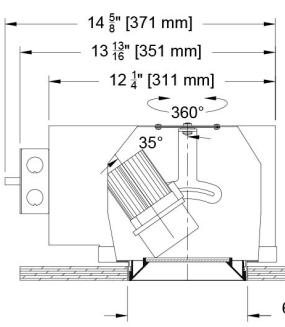


## Flanged Mount (U/AU)

(CR6D-SA-DR-F-U/AU)

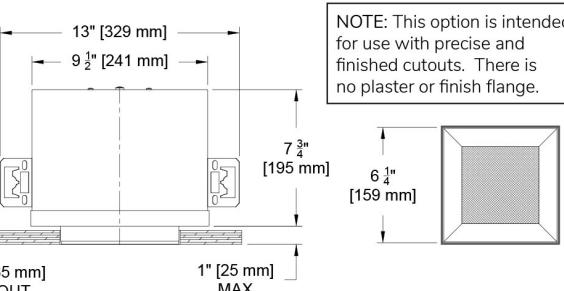


## Square Flanged Housing

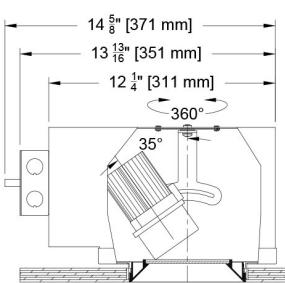


## Flangeless Mount (U/AU)

(CR6D-SA-DR-Z-U/AU)

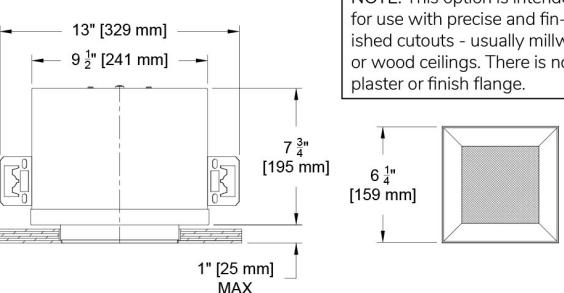


## Square Flangeless Housing



## Panel Mount (PM/APM)

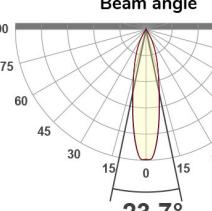
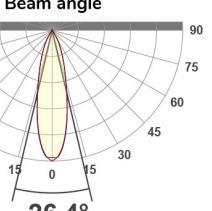
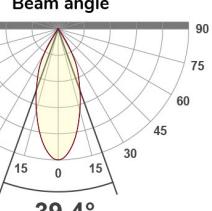
(CR6D-SA-PM/APM-Z)



# Photometric Table

All data are delivered lumens based on 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.

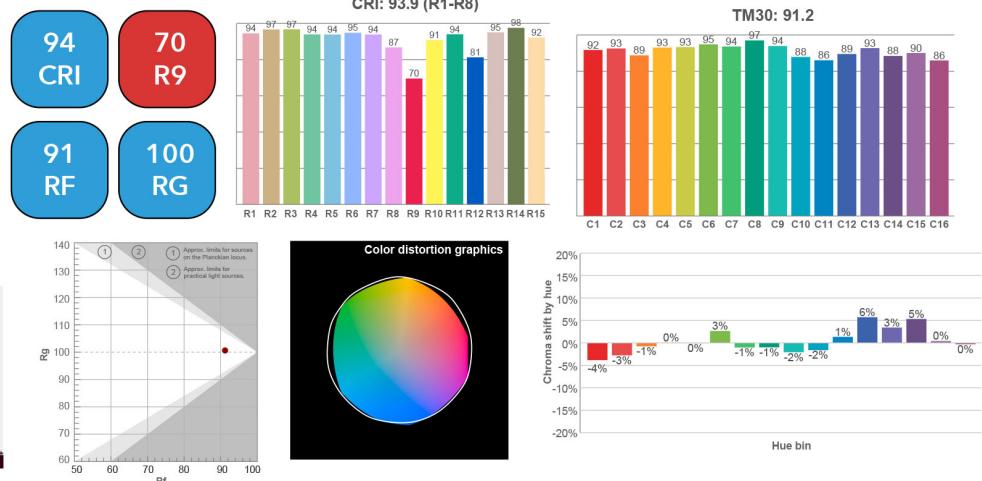
SQUARE Beamspreads		20°				26°				40°				
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Del. Lumens (lm)	Lms/ Watt	Peak CD	10% Field	
Open Regress	Citizen C11	13	1344	102	5304	56°	1347	102	4639	58°	1338	101	2753	68°
	Citizen C16	19	1905	100	7546	56°	1910	101	6777	57°	1900	100	3911	68°
	Citizen C23	27	2655	97	9991	56°	2624	96	9279	57°	2610	95	5379	67°
	Citizen C34*	38	3354	89	13315	56°	3383	90	11884	57°	3314	88	6860	67°
	Ambient Dim A34*	38	2355	63	9375	55°	2381	63	8262	57°	2371	63	4830	68°
CCT Multiplier		Beam angle				Beam angle				Beam angle				
CCT	Citizen	 23.7°				 26.4°				 39.4°				
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 Open Regress with A34 source

## Color Data

### 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

