

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 including 2 trim apertures, 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.



PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR6D-RA)

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

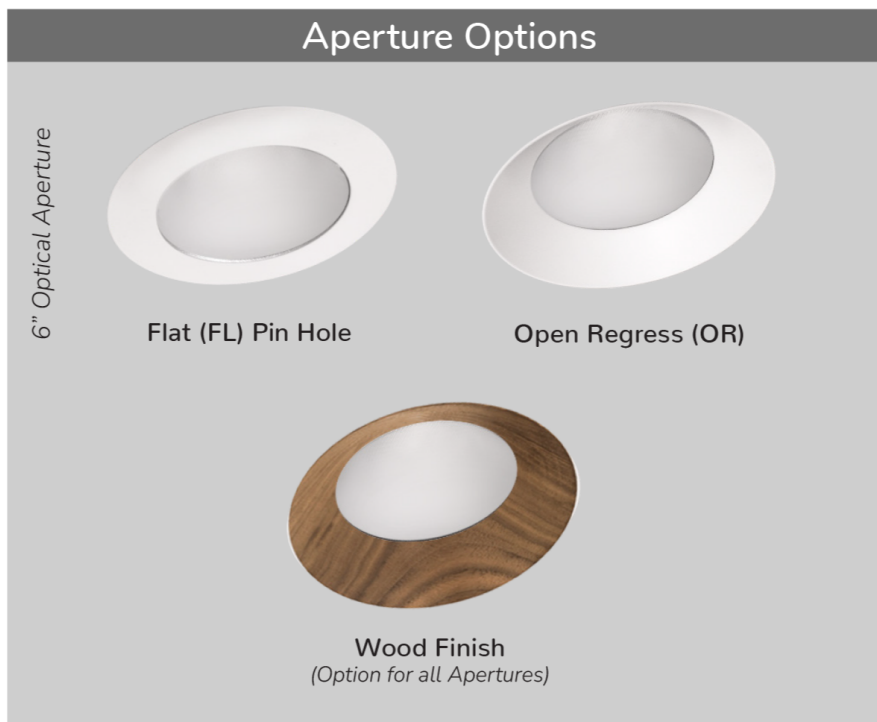
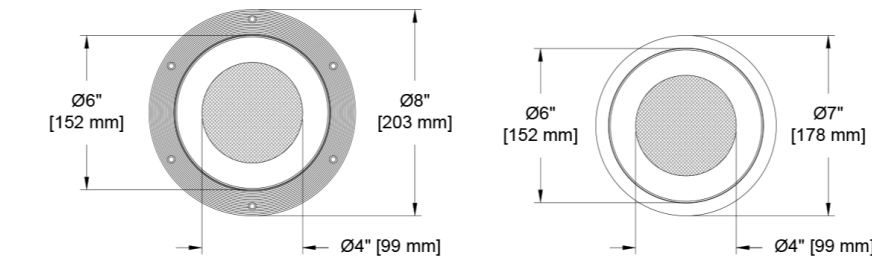
- 2400K, 2700K, 3000K, 3500K, 4000K
Ambient Dim, RGBW & Tunable White options
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 3300 delivered lumens
- Adjustable to 35° with 358° of rotation
- 3 beamspreads available- 20°, 26° and 40°

Housing

- **TITLE 24** Fixture supports CA Title 24 compliance meeting JA8 requirements with Air Tight 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
- 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



Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR6D-RA-OR-Z-AP-C23-35-26-E2-P14-91L-CP

FIXTURE	APERTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR6D-RA										
Core 6" Round Adjustable Downlight	OR Open Regress FL Flat (Pin Hole)	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 1328Lm** 90+CRI, 60+R9 C16 19W 1870Lm** 90+CRI, 60+R9 C23 27W * 2573Lm** 90+CRI, 60+R9 C34 38W* 3373Lm** 90+CRI, 60+R9 Tunable T9 10W 90+CRI, 60+R9 Tunable White T15 15W 90+CRI, 70+R9 Tunable White T20 21W 90+CRI, 60+R9 Tunable White RGBW 90+CRI, 60+R9 Ambient Dim™ A14 15W 858Lm 95+CRI, 90+R9 A20 21W 858Lm 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. + LTT or EidoLED driver selection required and will be supplied with 2 channel version.	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 RGBW 1200-8000K Dynamic Color Changing 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 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	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* 1 piece of media per opening (aperture or reflector) can be selected. *See Lens Accessory Guide LENS ACCESSORY VISUAL GUIDE LINK	CP Chicago Plenum EM Emergency Pack Controls LR Lutron Wireless RF PowPak CA Casambi Wireless BLE to be paired with driver ATH Lutron Athena Wireless Node Must be used with E2 driver

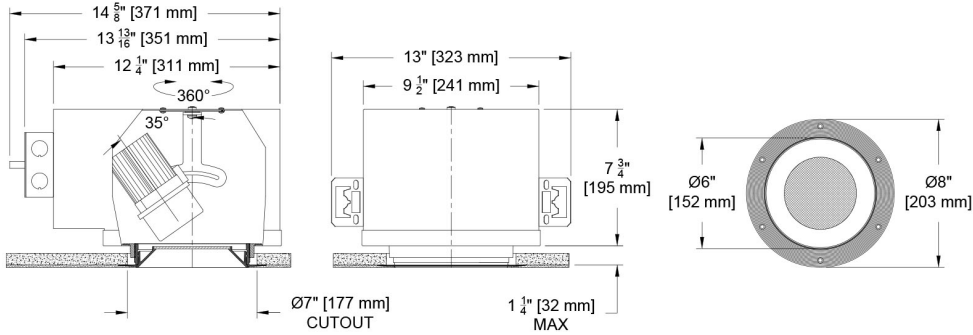
Ceiling Cutouts and Dimensions

Open Regress Shown - Flat similar

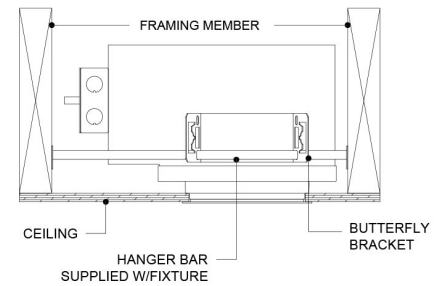
Round Flangeless Housing

Plaster Mount (P/AP)

(CR6D-RA-OR-Z-P/AP)



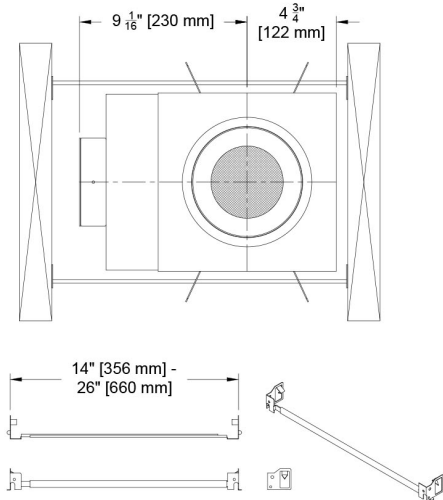
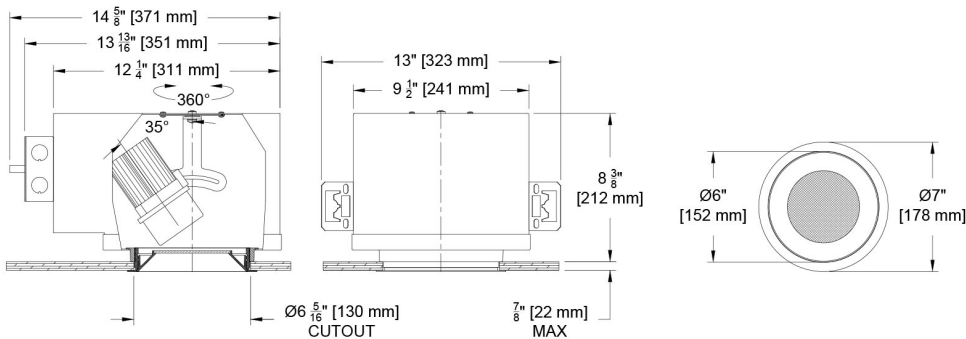
Hanger Bar Detail



Round Flanged Housing

Flanged Mount (U/AU)

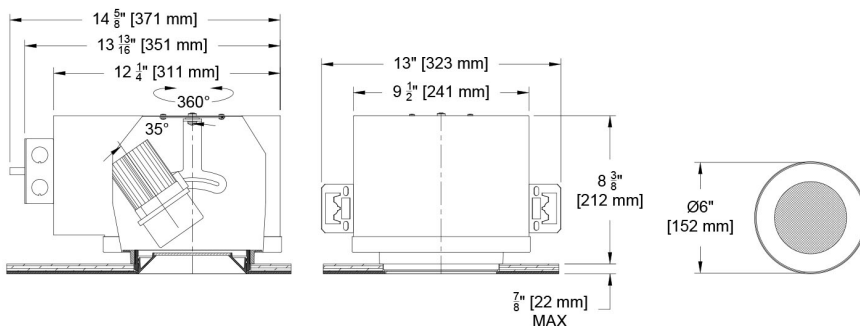
(CR6D-RA-OR -F-U/AU)



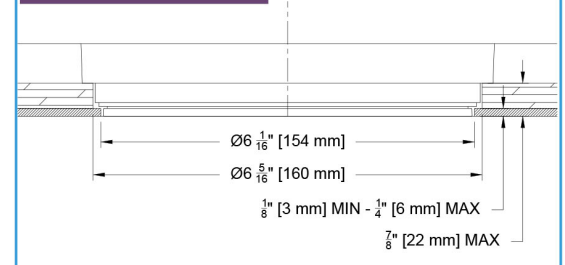
Round Flangeless Housing

Panel Mount (PM/APM)

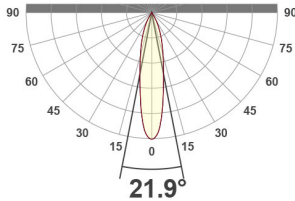
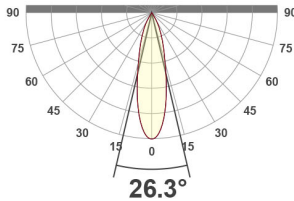
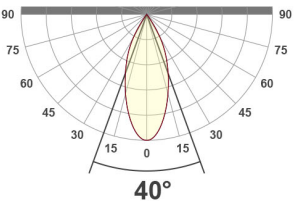
(CR6D-RA-OR -P-PM/APM)



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

ROUND 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
Deep Regress	Citizen C11	13	1114	84	5346	48°	1135	86	4722	50°	1126	85	2738	59°
	Citizen C16	19	1578	83	7613	48°	1604	84	6728	50°	1594	84	3819	59°
	Citizen C23	27	2168	79	10428	48°	2211	81	9262	50°	2193	80	5379	59°
	Citizen C34*	38	2777	74	13159	48°	2820	75	11830	50°	2809	75	6802	59°
	Ambient Dim A34*	38	1965	52	9074	48°	2009	54	7953	50°	1970	53	4843	58°
Flat (Pin Hole)	Citizen C11	13	1314	100	5341	55°	1328	101	4699	57°	1338	101	2690	68°
	Citizen C16	19	1862	97	7431	55°	1870	98	6618	57°	1902	100	3828	68°
	Citizen C23	27	2569	94	10462	55°	2573	94	9053	57°	2620	96	5295	68°
	Citizen C34*	38	3289	88	12913	56°	3373	90	11143	58°	3313	88	6762	68°
	Ambient Dim A34*	38	2311	61	9262	55°	2366	63	7952	57°	2357	63	4749	68°
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.														

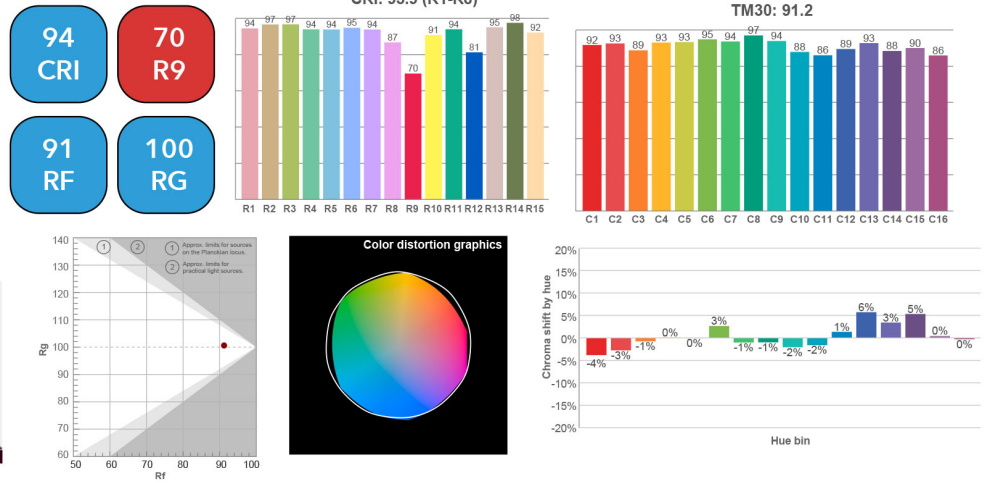
* Requires active cooling. ISO CD plot based on Flat with C23 source

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

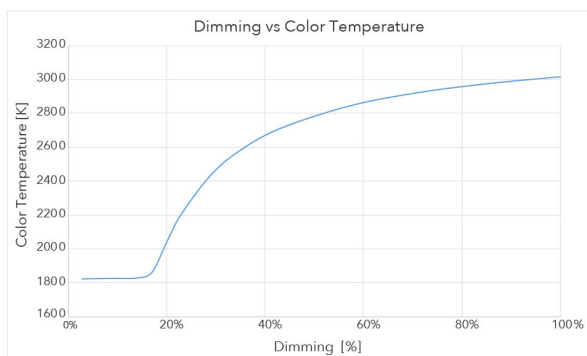
Citizen Sources - C11, C16, C23 and C34

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

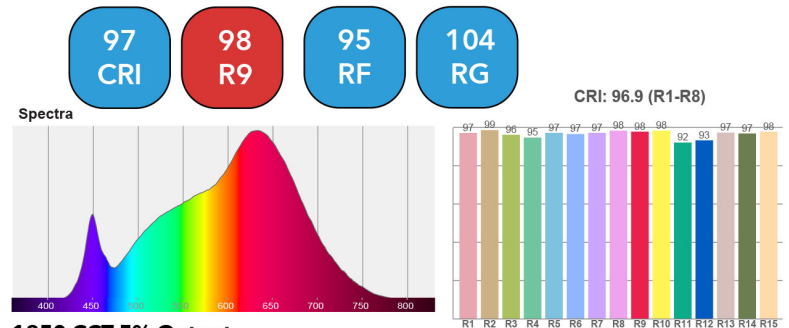


Ambient Dim A34 - 3000k to 1900k

- <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

