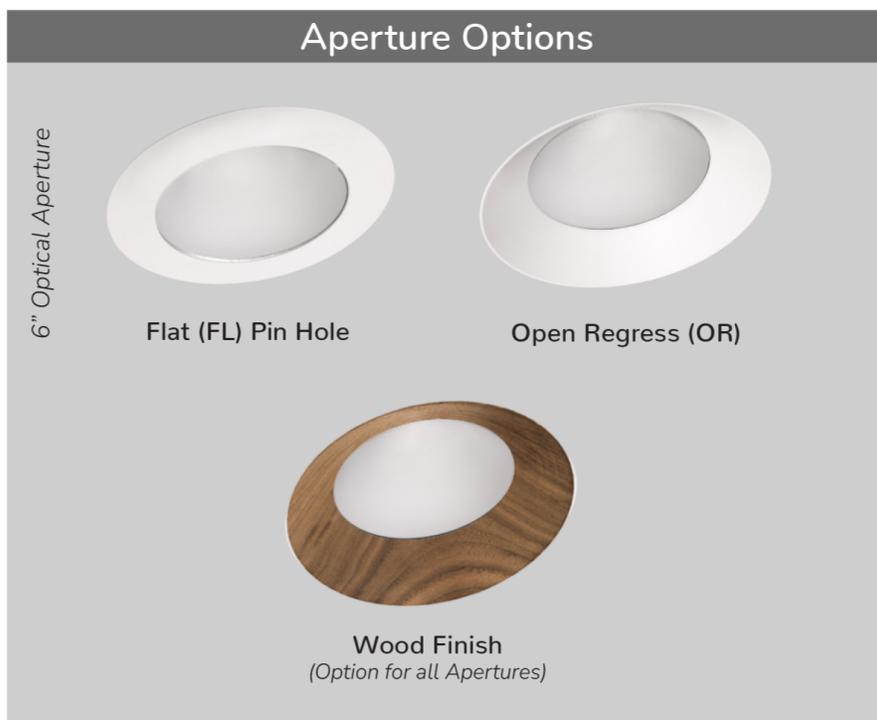
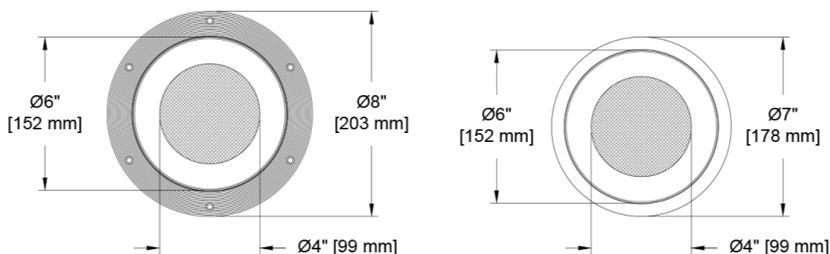


The Core Family

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** 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
- 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	OR Open Regress	Flanged Trims	Flanged Housings	Citizen	24 2400K	20 Spot	C1 0-10 1.0%, UNV (120-277V) linear	W White Paint	Aperture Lens	CP Chicago Plenum
Core 6" Round Adjustable Downlight	FL Flat (Pin Hole)	F Flanged Trim	U Universal - Non-IC Housing	C11 ●● 13W 1328Lm** 90+CRI, 60+R9	27 2700K	26 Narrow Flood	C2 ELV/Triac 1.0%, (120-277V) linear	B Black Paint	91A Solite	EM Emergency Pack
		FS Flanged Shower Trim* <i>(for mounting choose from Flanged Housings)</i>	AU ●● Airtight Universal IC-Rated	C16 ●● 19W 1870Lm** 90+CRI, 60+R9	30 3000K	40 Flood	E1 0-10 0.1% UNV (120-277V) log	D Wood*	93A Frosted	Controls
		Z Flangeless Trim	P Plaster - Non-IC Housing	C23 ●● 27W * 2573Lm** 90+CRI, 60+R9	35 3500K		E2 DALI-2 0.1% UNV (120-277V) log	PXX Specialty Paint Color*	XXA Other Aperture Lens Treatments*	LR Lutron Wireless RF PowPak
		ZS Flangeless Shower Trim* <i>(for mounting choose from Flangeless Housings)</i>	AP ●● Airtight Plaster IC-Rated	C34 38W* 3373Lm** 90+CRI, 60+R9	40 4000K		E3 0-10 0.1% UNV (120-277V) linear	P01-P15	Reflector (lamp) Media	CA Casambi Wireless BLE to be paired with driver
		* Aperture Lens Required	PM Panel Mount	T9 10W 90+CRI, 60+R9 Tunable White	Tunable		E4^ DMX 0.1% UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX	C Custom/RAL Color**	91L Solite	ATH Lutron Athena Wireless Node <i>Must be used with E2 driver</i>
			APM ●● Airtight Panel Mount IC-Rated	T15 ●● 15W 90+CRI, 70+R9 Tunable White	TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4		LD Digital Ecosystem 1.0% UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1	* Wood "D" selection to be used with Z trim and PM mounting - Refer to Wood Trim Guide	93L Frosted	
			●● Supports CA Title24 compliance	T20 ●● 21W 90+CRI, 60+R9 Tunable White	TW2765 2700-6500K Tunable White w/ E1, E2, E3, E4		^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS	Other reflector (lamp) media*	97L Black Hexcel Louver	
			*Cannot be used with C34 and A34 Source	RGBW 90+CRI, 60+R9	2722 * 2700-2200K *A14 Only			1 piece of media per opening (aperture or reflector) can be selected.	XXL Other reflector (lamp) media*	
				Ambient Dim™	3019 3000-1900K			*See Lens Accessory Guide		
				A14 ●● 15W 858Lm 95+CRI, 90+R9	3022 * 3000-2200K *A14 Only		TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only	** Refer to Finish Guide		
				A20 ●● 21W 858Lm 95+CRI, 90+R9			* Not compatible with C23, C34 and A34			
				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 EikoLED driver selection required and will be supplied with 2 channel version.							

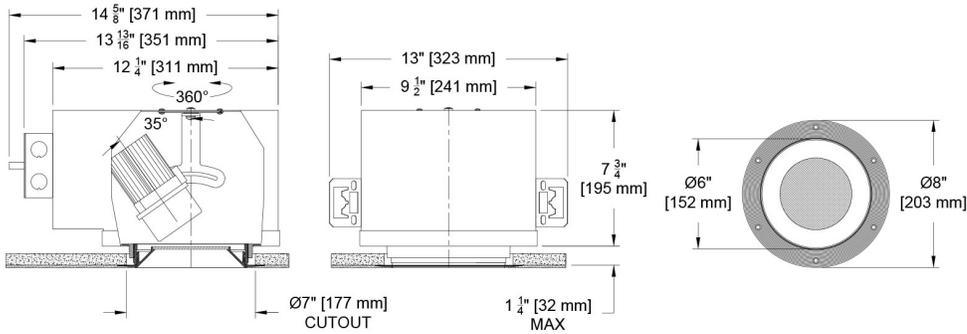
Ceiling Cutouts and Dimensions

Open Regress Shown - Flat similar

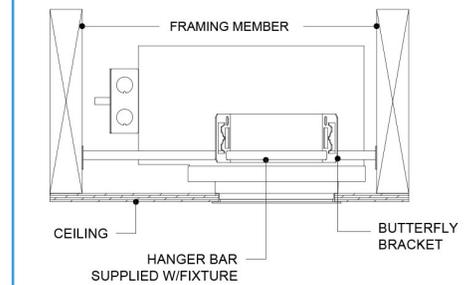
Round Flangeless Housing

Plaster Mount (P/AP)

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



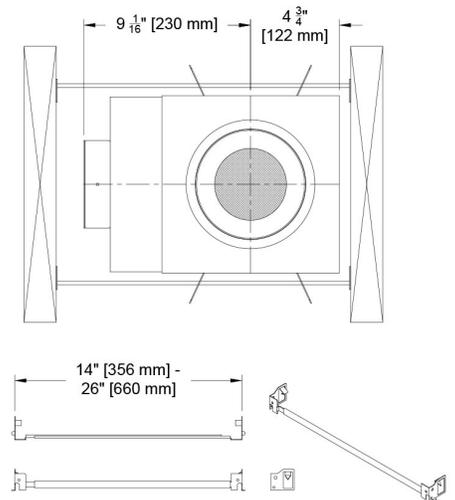
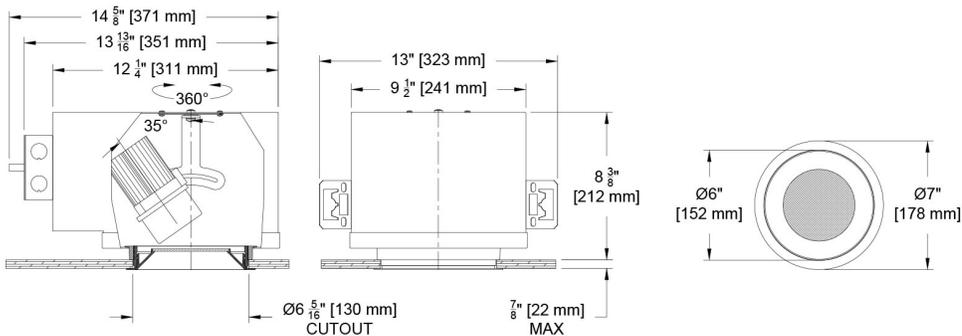
Hanger Bar Detail



Round Flanged Housing

Flanged Mount (U/AU)

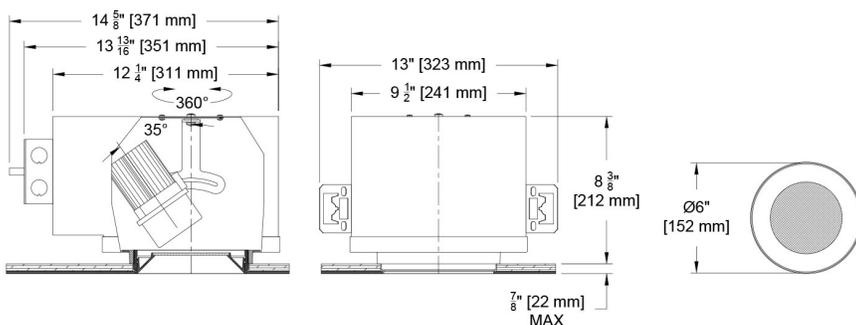
(CR6D-RA-OR-F-U/AU)



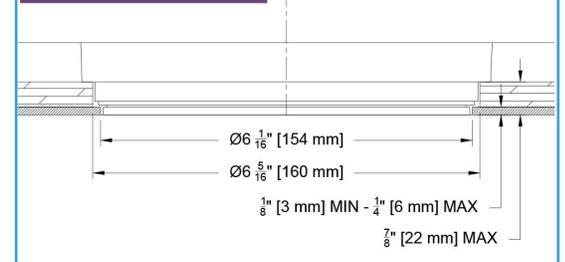
Round Flangeless Housing

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.															

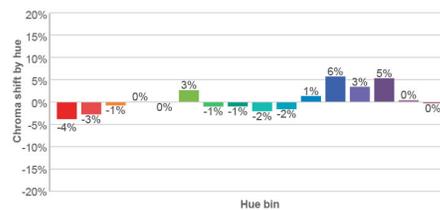
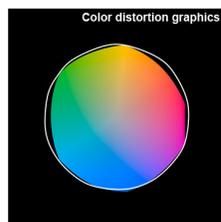
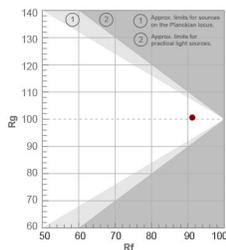
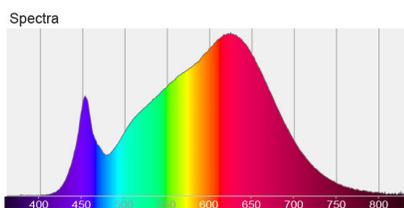
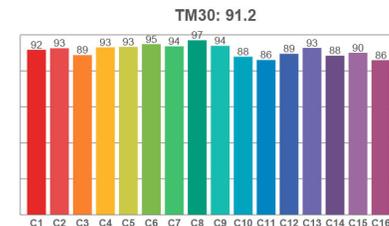
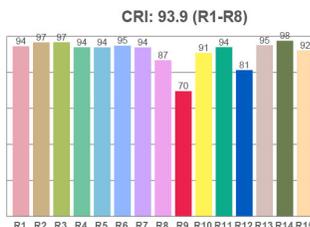
* Requires active cooling. ISO CD plot based on Flat with C23 source

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

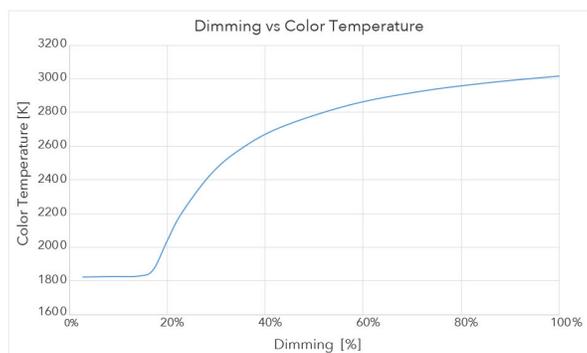
Citizen Sources - C11, C16, C23 and C34

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

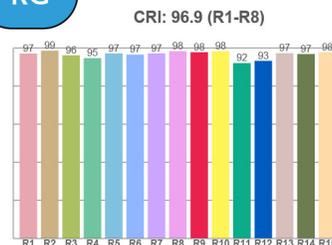
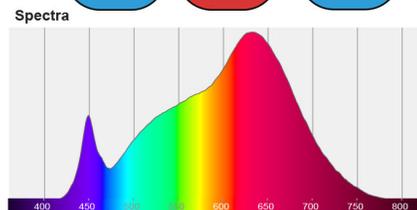
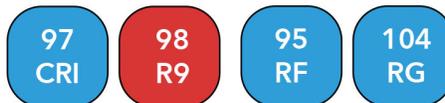


Ambient Dim A34 - 3000k to 1900k

- <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

