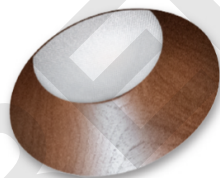
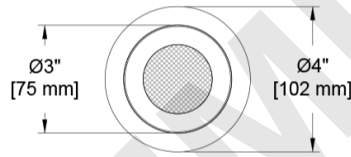
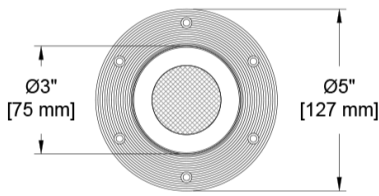
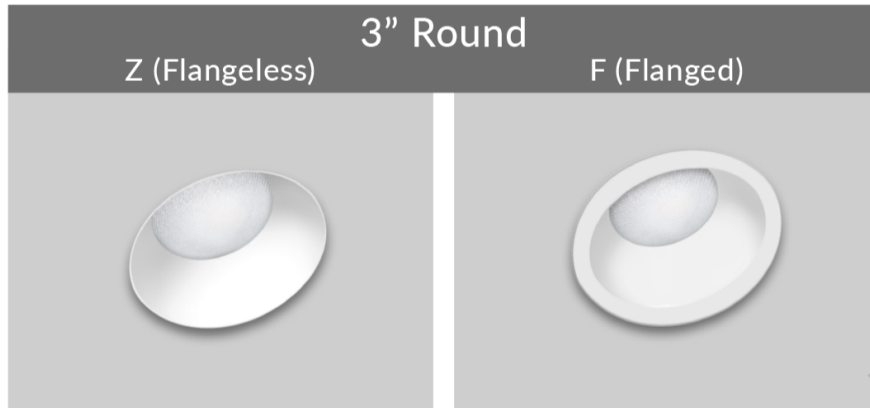


The Core Family

The Core family line offers a rich diversity of technical and aesthetic options. Our fixed 3" round offers 14+ finishes & custom wood choices. A wide range of source/optic selections, 3 ranges of Ambient Dim™ (Warm Dim), 5 beam spreads, and a plethora of driver/control options including TruPhase™ (phase dimming down to 0.1%). Our Core product family is created on platform allowing for a high degree of modification



Wood Finish Available

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR3D-RF)

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 1800 delivered lumens (Based on 300K CCT @ 90+ CRI)
- 5 beamspreads available- 10°, 15°, 24°, 36°, and 50°

Housing

- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
- Airtight Shallow Housing Available
- Compliant to 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
- Heavy gauge steel for new construction or remodel

Driver

- TruPhase™ - Dimming down to 0.1% - 120V only
- TruPhase™, 0-10, DALI-2, DMX, Lutron or Casambi
- Flicker free to IEEE 1789-2015
- Prewired and integral to housing
- Universal 120-277v available

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR3D-RF-DR-Z-AU-C20-35-24-E2-P16-92A-91L-97L-CP

FIXTURE	APERTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR3D-RF	DR	Flangeless Trims	Shallow Housing	C6 6W 365Lm 90+CRI, 60+R9	24 2400K	10 Narrow Spot	C1 0-10 1.0%, UNV (120-277V) linear	W White Paint	Aperture Lens	CP Chicago Plenum
Core 3" Round Fixed Downlight	Deep Regress	Z Flangeless Trim	ASPM ●● Airtight Shallow Panel IC-Rated	C8 8W 497Lm 90+CRI, 60+R9	27 2700K	15 Spot	C2 ELV/Triac 1.0%, (120-277V) linear	B Black Paint	91A Solite	EM Emergency Pack
		ZS Flangeless Shower Trim	ASP ●● Airtight Shallow Plaster IC-Rated	C10 10W 580Lm 90+CRI, 60+R9	30 3000K	24 Narrow Flood	E1 0-10 0.1%, UNV (120-277V) log	D Wood*	92A Supertex (Spreader Lens)	Controls
		F Flanged Trim	ASU ●●● Airtight Shallow Universal IC-Rated	C14 ●●● 15W 1423Lm 90+CRI, 60+R9	35 3500K	36 Flood	E2 DALI-2 0.1%, UNV (120-277V) log	PXX Specialty Paint Color*	93A Frosted	ATH Lutron Athena Wireless Node Must be used with E2 driver
		FS Flanged Shower Trim	●●● Supports CA Title 24 Compliance to JA8	C20 ●●● 21W 1422Lm 90+CRI, 60+R9	40 4000K	50 Wide Flood	E3 0-10 0.1%, UNV (120-277V) linear	P01-P15	XXA Other Aperture Lens Treatments*	CA Casambi Wireless BLE to be paired with driver
		* Aperture Lens Required	* Not compatible with C28	Tunable	Tunable		E4^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX	C Custom/RAL Color**	Reflector (lamp) Media	
				T9 ●● 10W 90+CRI, 70+R9 Tunable White	TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4		E4^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX		91L Solite	
				T15 15W 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		92L Supertex (spreader lens)	
				RGBW 90+CRI, 60+R9 Ambient Dim™	RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4		TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only		97L Black Hexcel Louver	
				A14 ●● 15W 858Lm 95+CRI, 90+R9	2722 2700-2200K *A14 Only		* Not compatible with C28		XXL Other reflector (lamp) media*	
				●●● California Title 24 Compliant to JA8 * Only with 10° optic	3019 3000-1900K				1 piece of media per opening (aperture or reflector) can be selected. *See Lens Accessory Guide	
					3022 3000-2200K *A14 Only					



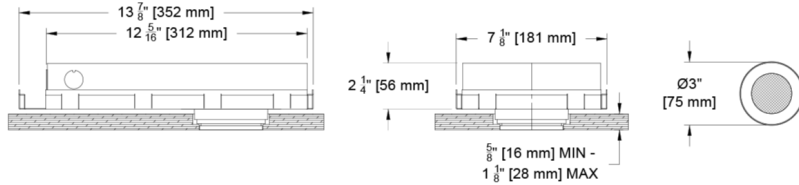
Ceiling Cutouts and Dimensions

For Deep Regress

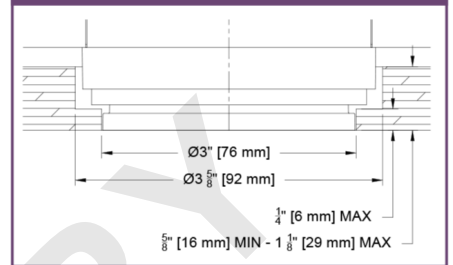
Round Flangeless Housing

Panel Mount (Z/ASPM)

CR3D-RF-Z-ASPM-



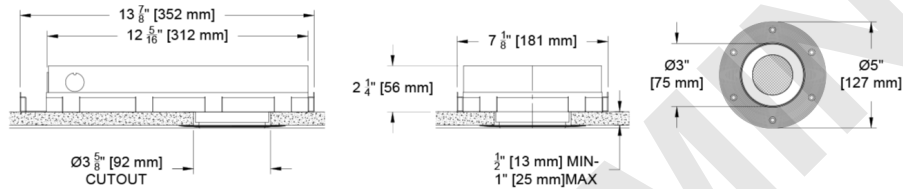
Panel Mount Detail



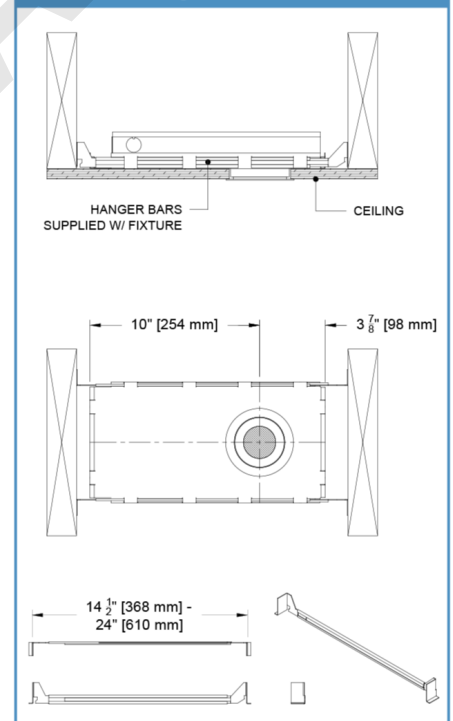
Round Flangeless Housing

Plaster Mount (Z/ASP)

CR3D-RF-Z-ASP-



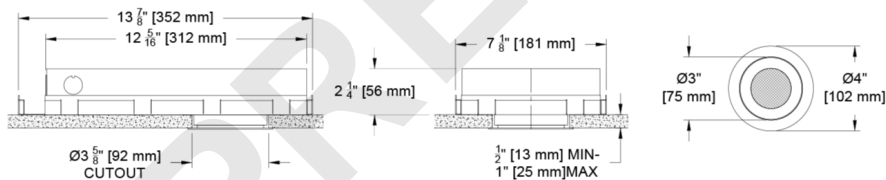
Hanger Bar Detail



Round Flanged Housing

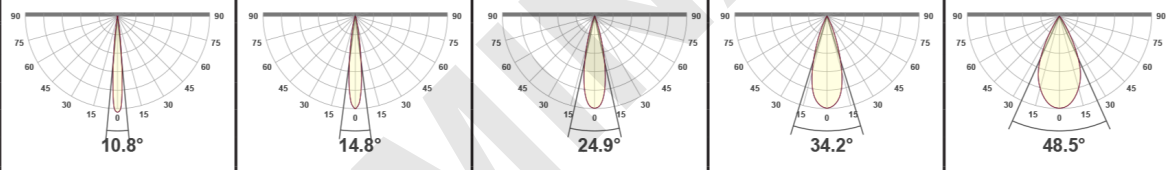
Universal Mount (F/ASU)

CR3D-RF-F-ASU-



Photometric Table All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT

	System watts (W)	10°				15°				24°				36°				50°							
		Del. Lms	Lms/Watt	Peak CD	10% Field	Del. Lms	Lms/Watt	Peak CD	10% Field	Del. Lms	Lms/Watt	Peak CD	10% Field	Del. Lms	Lms/Watt	Peak CD	10% Field	Del. Lms	Lms/Watt	Peak CD	10% Field				
Citizen C6	6	364	63	7908	18°	Not Compatible				Not Compatible				Not Compatible				Not Compatible							
Citizen C8	8	497	60	110798	18°																				
Citizen C10	10	580	54	12601	18°																				
Citizen C14	15	Not Compatible				1356	86	13916	18°	1425	91	7178	40°	1403	89	3977	53°	1411	90	2337	69°				
Citizen C20	20																							o	
Ambient Dim A14 - 3019	15																								o
Ambient Dim A14 - 2722	15																								o
Ambient Dim A14 - 3022	15																								o
Tunable White - T9	12																								o
Tunable White - T15	12																								o
RGBW	??																								o
Citizen																									
2700	0.95																								
3000	1.00																								
3500	1.02																								
4000	1.03																								



All Measurements delivered or derived delivered lumens based on 3000K.

PRELIMINARY

Color Data

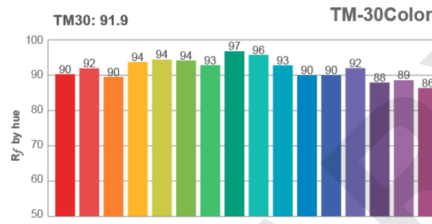
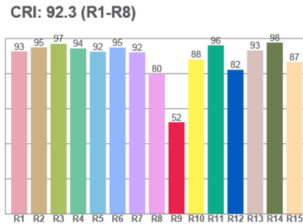
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated range. Measurements at 3000 CCT.

Citizen Source for C14, C20 and C28

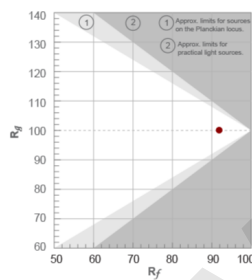
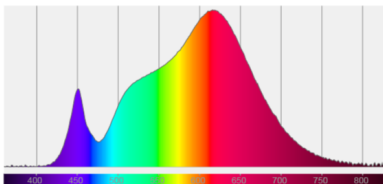
Citizen CoB

- <3 MacAdam Ellipse (<3 SDCM)

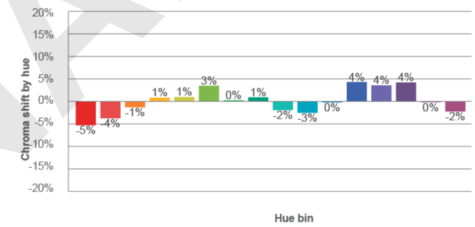
92 CRI	52 R9
92 RF	100 RG



Spectra



Color distortion



PRELIMINARY