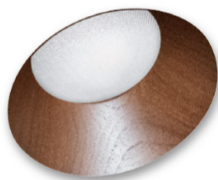
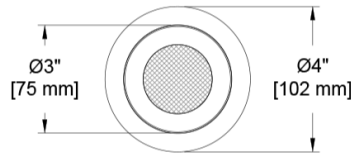
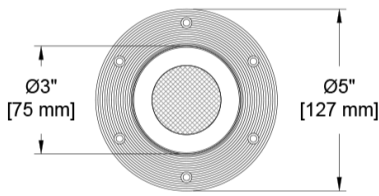
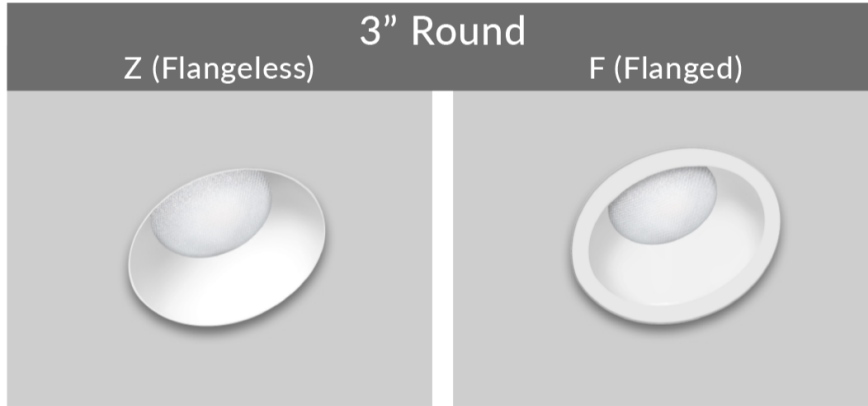


## The Core Family

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 multitude 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, 55+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 1880 delivered lumens (Based on 300K CCT @ 90+ CRI)
- 5 beamspreads available- 10°, 15°, 24°, 36°, and 50°

#### Housing

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

#### Driver

- TruPhase™ - Dimming down to 0.1% - 120V only
- 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 * Only with C6, C8, & C10	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 Trims	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 1880Lm 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**	91L Solite	
				T9 ●● 10W 90+CRI, 70+R9 Tunable White	TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4		^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS (REMOTE ONLY)		92L Supertex (spreader lens)	
				T15 15W 90+CRI, 60+R9 Tunable White	TW2765 2700-6500K Tunable White w/ E1, E2, E3, E4				97L Black Hexcel Louver	
				RGBW 90+CRI, 60+R9 Ambient Dim™	RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4 Ambient Dim™				XXL Other reflector (lamp) media*	
				A14 ●● 15W 858Lm 95+CRI, 90+R9 ●● California Title 24 Compliant to JA8 * Only with 10° optic	2722 2700-2200K *A14 Only		TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only		1 piece of media per opening (aperture or reflector) can be selected. *See Lens Accessory Guide	
					3019 3000-1900K		* Not compatible with C28			
					3022 3000-2200K *A14 Only					



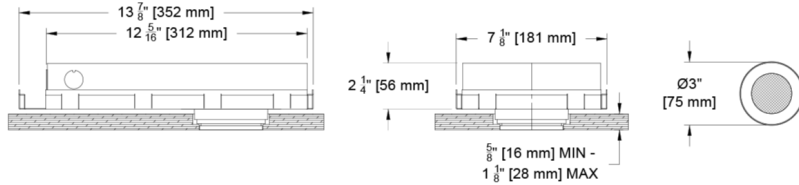
# Ceiling Cutouts and Dimensions

For Deep Regress

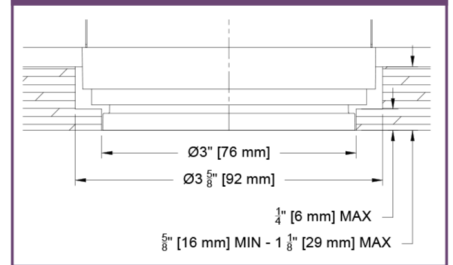
## Round Flangeless Housing

### Panel Mount (Z/ASPM)

CR3D-RF-Z-ASPM-



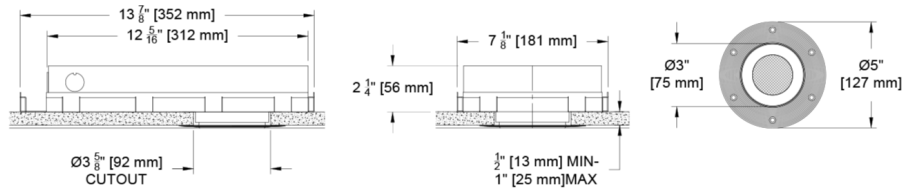
## Panel Mount Detail



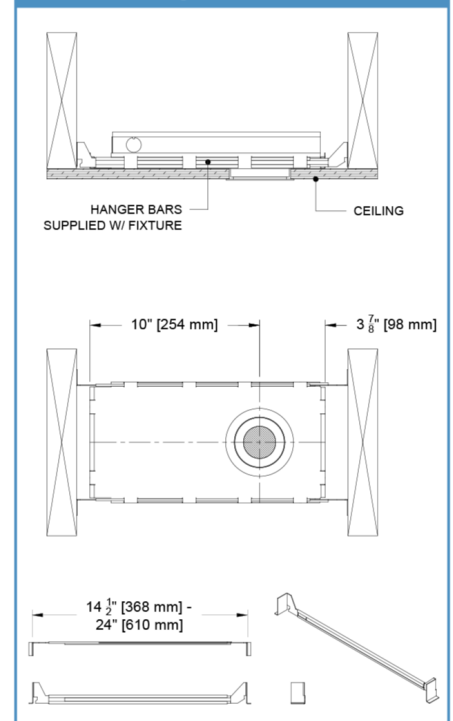
## Round Flangeless Housing

### Plaster Mount (Z/ASP)

CR3D-RF-Z-ASP-



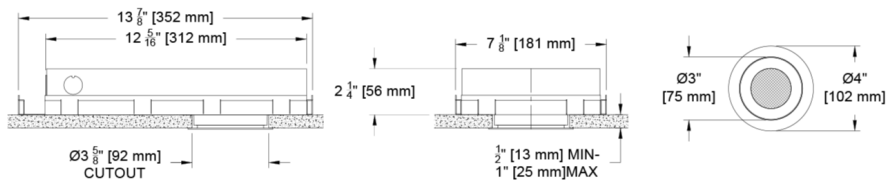
## Hanger Bar Detail



## 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

		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	28°	1425	91	7178	40°	1403	89	3977	53°	1411	90	2337	69°				
Citizen C20	20					1743	80	18304	28°	1881	86	9567	40°	1862	85	5309	53°	1880	86	3130	68°				
Ambient Dim A14 - 3019	15					IN PROCESS																			
Ambient Dim A14 - 2722	15																								
Ambient Dim A14 - 3022	15																								
Tunable White - T9	12																								
Tunable White - T15	12																								
RGBW	??																								
						<p>10.4°</p>				<p>14.9°</p>				<p>24.8°</p>				<p>32.8°</p>				<p>47.5°</p>			
Citizen																									
2700	0.95																								
3000	1.00																								
3500	1.02																								
4000	1.03																								

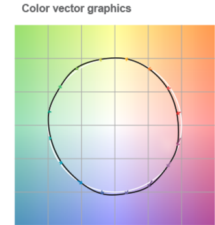
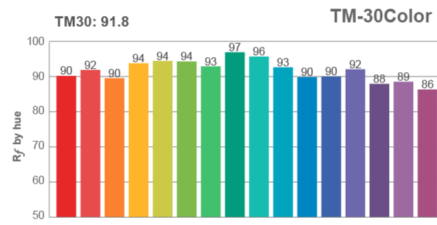
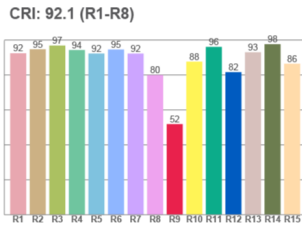
All Measurements delivered or derived delivered lumens based on 3000K.

# Color Data

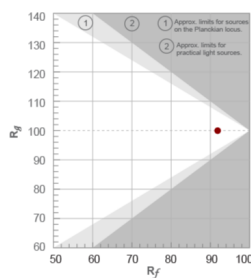
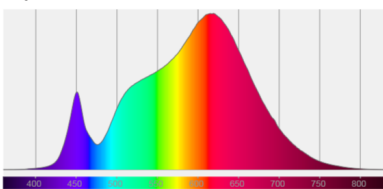
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated range.

## Citizen CoB

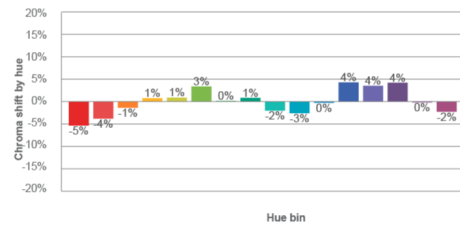
- <3 MacAdam Ellipse (<3 SDCM)



Spectra



Color distortion



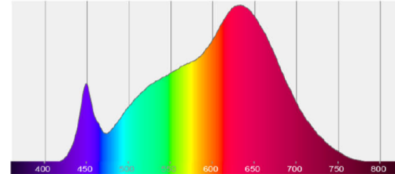
## AmbientDim™ A14

- <3 MacAdam Ellipse (<3 SDCM)

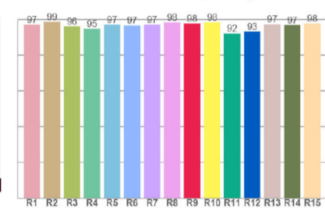
### 3000 CCT Full Output



Spectra



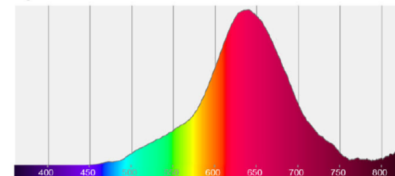
CRI: 96.9 (R1-R8)



### 1850 CCT 5% Output



Spectra



CRI: 92.6 (R1-R8)

