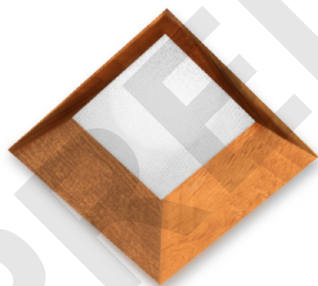
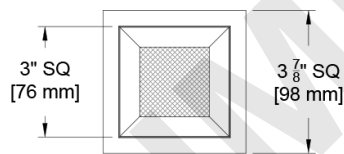
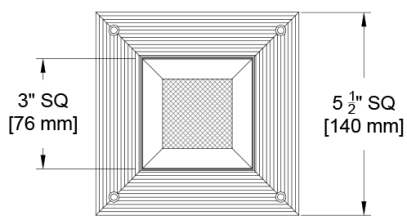
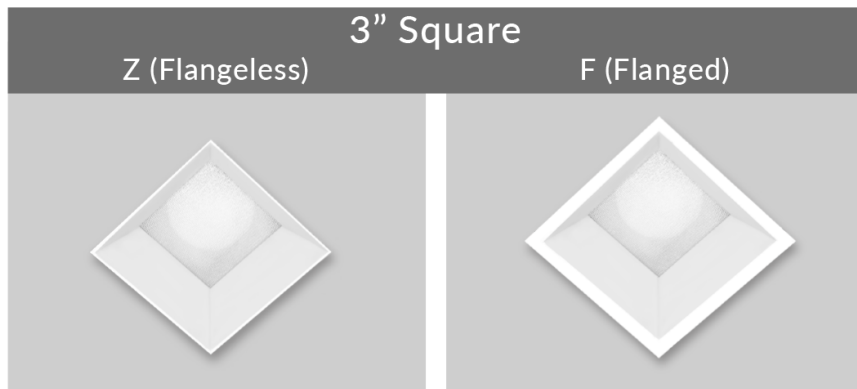


# The Core Family

The Core family line offers a rich diversity of technical and aesthetic options. Our 3" fixed square 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-SF)

### 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 with Ambient Dim
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 1780 delivered lumens  
(Based on 3000k CCT @ 90+ CRI)
- 5 beamspreads available- 10°, 15°, 24°, 36°, & 50°
- [View Photometry](#)

### 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™ - Dim 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

# Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

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

FIXTURE	APERTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR3D-SF	DR	Flangeless Trims	Shallow Housing	C6 * ●● 6W 364Lm 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" Square 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%, (120V) 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*	93A Frosted	Controls
		Flanged Trims	ASU ●● Airtight Shallow Universal IC-Rated	C14 ●● 15W 1397Lm 90+CRI, 60+R9	35 3500K	36 Flood	E2 DALI-2 0.1%, UNV (120-277V) log	PXX Specialty Paint Color*	XXA Other Aperture Lens Treatments*	ATH Lutron Athena Wireless Node Must be used with E2 driver
		FS Flanged Shower Trim	F Flanged Trim	C20 ●● 21W 1780Lm 90+CRI, 60+R9	40 4000K	55 Wide Flood	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	●● Supports California Title 24 compliance to JA8 Requirements	Tunable	Tunable		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	C Custom/RAL Color**	91L Solite	
				T9 10W 90+CRI, 60+R9 Tunable White	TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4		TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only	*Wood "D" Selection to be used with Z trim and PM mounting **See Specialty Finish Guide	93L Frosted	
				T15 15W 90+CRI, 60+R9 Tunable White	TW2765 2700-6500K Tunable White w/ E1, E2, E3, E4			FINISH GUIDE LINK	97L Black Hexcel Louver	
				RGBW 90+CRI, 60+R9	RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4			WOOD TRIM GUIDE	XXL Other reflector (lamp) media*	
				Ambient Dim™	Ambient Dim™				1 piece of Media per opening (aperture or reflector) can be selected *Refer to Lens Accessory Guide	
				A14 ●● 15W 656Lm 95+CRI, 90+R9	2722 2700-2200K					
				●● California Title 24 Compliant to JA8	3019 3000-1900K					
				* Only with 10° optic	3022 3000-2200K					
				<a href="#">View Photometry</a>						

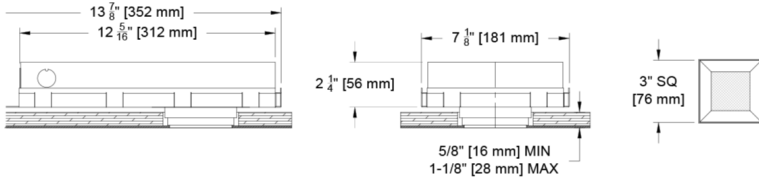
# Ceiling Cutouts and Dimensions

Deep Regress shown - other apertures are similar

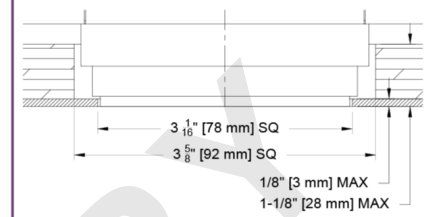
## Square Flangeless Housing

### Panel Mount (Z/ASPM)

CR3D-SF-Z-ASPM-



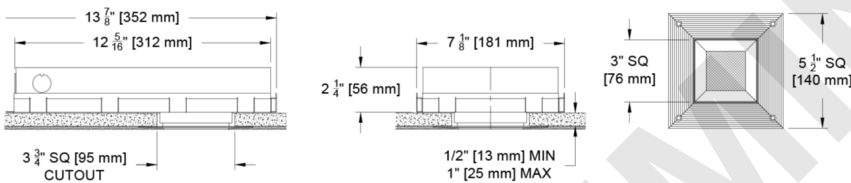
### Panel Mount Detail



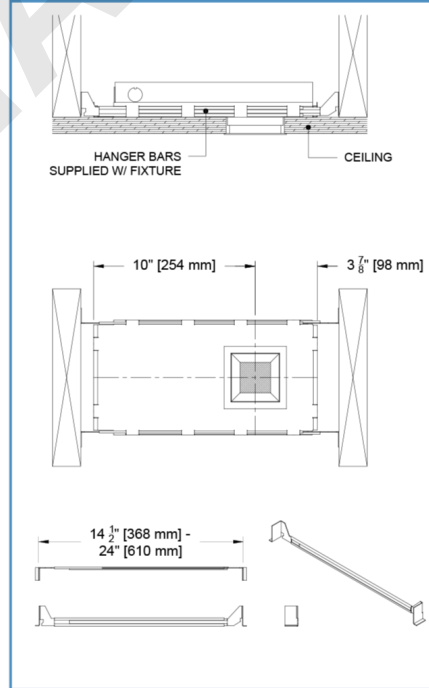
## Square Flangeless Housing

### Plaster Mount (Z/ASP)

CR3D-SF-Z-ASP-



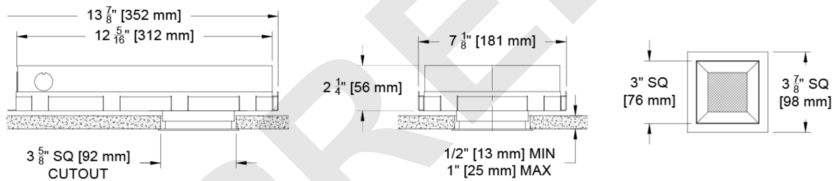
### Hanger Bar Detail



## Square Flanged Housing

### Universal Mount (F/ASU)

CR3D-SF-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	8326	18°	Not Compatible				Not Compatible				Not Compatible				Not Compatible							
Citizen C8	8	497	60	11368	18°	Not Compatible				Not Compatible				Not Compatible				Not Compatible							
Citizen C10	10	580	54	13266	18°	Not Compatible				Not Compatible				Not Compatible				Not Compatible							
Citizen C14	15	Not Compatible				1297	82	13620	28°	1398	89	7083	41°	1362	87	4162	52°	1368	87	2305	68°				
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				10.8°				15.1°				25.1°				33.1°				48.6°			
2700	0.95	10.8°				15.1°				25.1°				33.1°				48.6°							
3000	1.00	10.8°				15.1°				25.1°				33.1°				48.6°							
3500	1.02	10.8°				15.1°				25.1°				33.1°				48.6°							
4000	1.03	10.8°				15.1°				25.1°				33.1°				48.6°							

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

PRELIMINARY

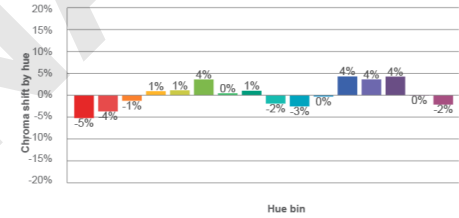
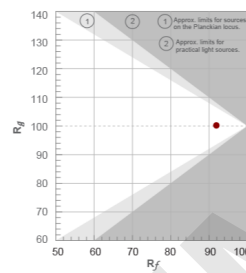
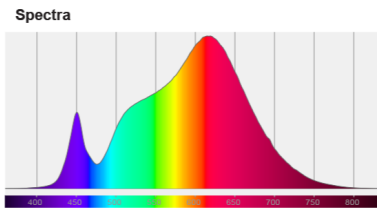
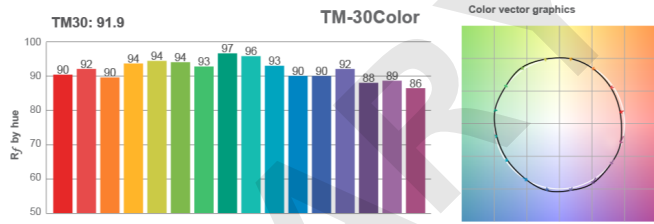
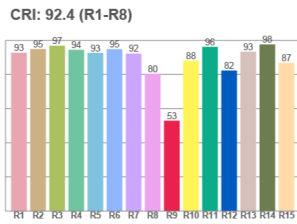
# Citizen Sources - C6, C8, C10, C14, & C20

All data below is based from goniometer measurement of production representative product. All color values can vary +/-10% from LED manufacturer rated nominal data.

## Citizen CoB

- <3 MacAdam Ellipse (<3 SDCM)

92 CRI	53 R9
91 RF	99 RG



PRELIMINARY