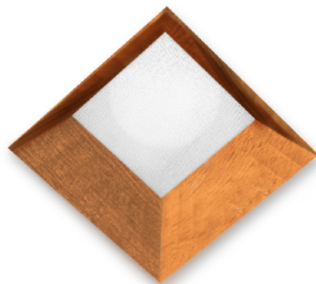
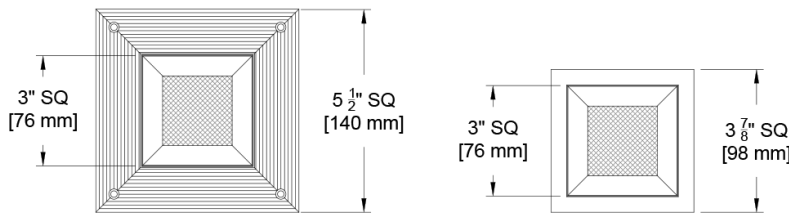
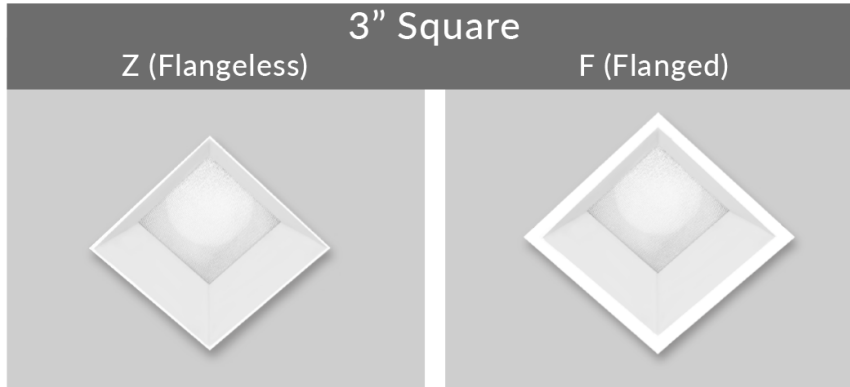


The Core Family

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 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-SF)

Trim

- One-piece die cast aluminum or machined wood trim
- Flangeless includes plaster flange with lip
- 14 color options + custom RAL or wood available
- Flanged or Flangeless

Source / Optics

- 2400K, 2700K, 3000K, 3500K, 4000K
- *AmbientDim*™, RGBW & Tunable White options
- 90 CRI, 55+ R9 Standard 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 1862 delivered lumens
(Based on 3000k CCT @ 90+ CRI)
- 5 beamspreads available- 10°, 15°, 24°, 36°, & 50°
- [View Photometry](#)

Housing

-  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
- Heavy gauge steel for new construction or remodel

Driver

- *TruPhase*™ - Dimming 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										
Core 3" Square Fixed Downlight	DR Deep Regress	Flangeless Trims Z Flangeless Trim ZS Flangeless Shower Trim Flanged Trims FS Flanged Shower Trim F Flanged Trim * Aperture Lens Required	Shallow Housing ASPM Airtight Shallow Panel IC-Rated ASP Airtight Shallow Plaster IC-Rated ASU Airtight Shallow Universal IC-Rated ●● Supports California Title 24 compliance to JA8 Requirements	C6 ●● 6W 364Lm 90+CRI, 60+R9 C8 ●● 8W 497Lm 90+CRI, 60+R9 C10 ●● 10W 580Lm 90+CRI, 60+R9 C14 ●● 15W 1397Lm 90+CRI, 60+R9 C20 ●● 21W 1862Lm 90+CRI, 60+R9 Tunable T9 10W 90+CRI, 60+R9 Tunable White T15 15W 90+CRI, 60+R9 Tunable White RGBW 90+CRI, 60+R9 Ambient Dim™ A14 ●● 15W 656Lm 95+CRI, 90+R9 ●● California Title 24 Compliant to JA8 * Only with 10" optic View Photometry	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 RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4 Ambient Dim™ 2722 2700-2200K 3019 3000-1900K 3022 3000-2200K	10 Narrow Spot *Only with C6, C8, & C10 15 Spot 24 Narrow Flood 36 Flood 55 Wide Flood	C1 0-10 1.0%, UNV (120-277V) linear C2 ELV/Triac 1.0%, (120V) 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 (REMOTE ONLY) TR2 0.1%, (120-120V) log TruPhae™ Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only	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 **See Specialty 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 *Refer to Lens Accessory Guide LENS ACCESSORY VISUAL GUIDE LINK	CP Chicago Plenum EM Emergency Pack* *Remote Required BABA Compliant BABA Products CA Casambi Wireless BLE to be paired with driver Controls ATH Lutron Athena Wireless Node Must be used with E2 driver

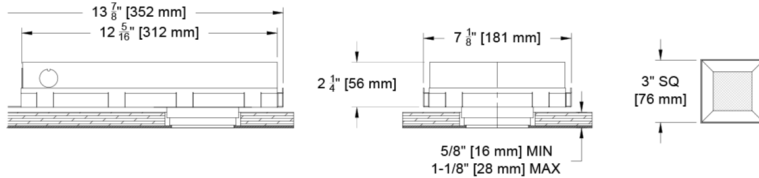
Ceiling Cutouts and Dimensions

Deep Regress shown - other apertures are similar

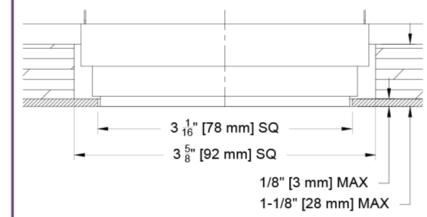
Square Flangeless Housing

Panel Mount (Z/ASPM)

CR3D-SF-Z-ASPM-



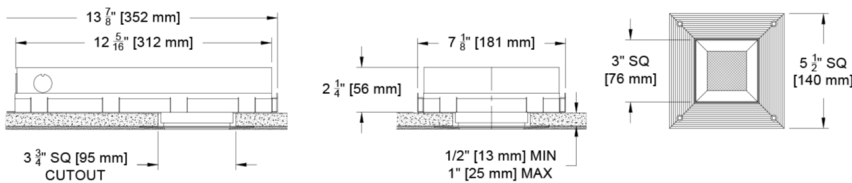
Panel Mount Detail



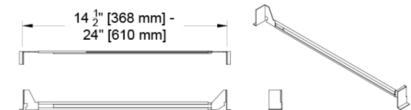
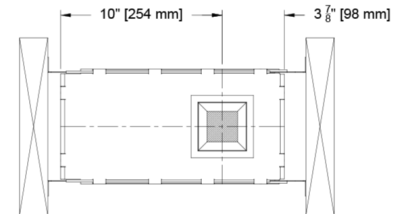
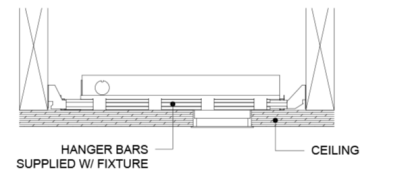
Square Flangeless Housing

Plaster Mount (Z/ASP)

CR3D-SF-Z-ASP-



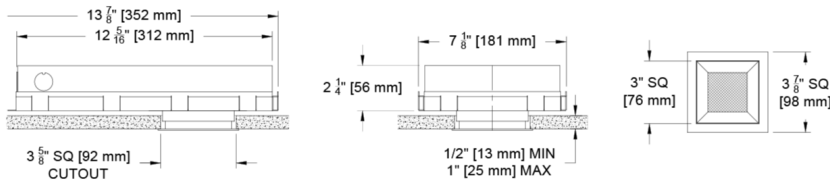
Hanger Bar Detail



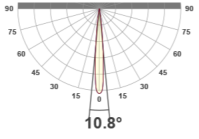
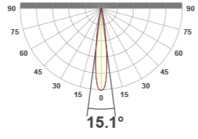
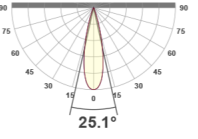
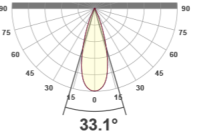
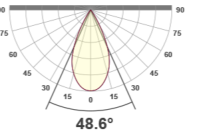
Square Flanged Housing

Universal Mount (F/ASU)

CR3D-SF-F-ASU-



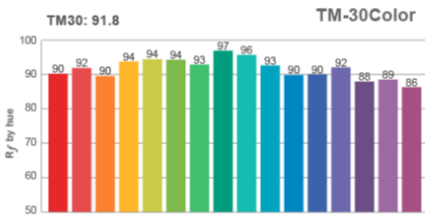
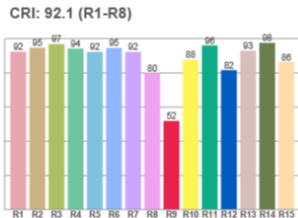
Photometric Table All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range.

		10°				15°				24°				36°				50°			
	System watts (W)	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°																
Citizen C10	10	580	54	13266	18°																
Citizen C14	15	Not Compatible				1297	82	13620	28°	1398	89	7083	41°	1362	87	4162	52°	1368	87	2305	68°
Citizen C20	20					1723	79	18688	28°	1862	85	9535	41°	1802	83	5492	52°	1822	84	3080	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	??																				
	Citizen																				
2700	0.95																				
3000	1.00																				
3500	1.02																				
4000	1.03																				

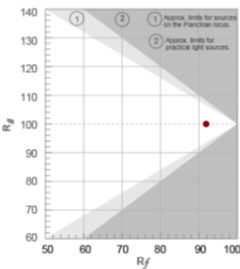
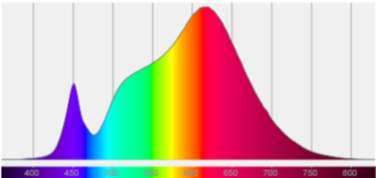
All Measurements delivered or derived delivered lumens based on 3000K.

Citizen CoB C6, C8, C10, C14, C20

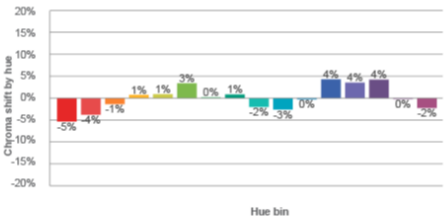
- <3 MacAdam Ellipse (<3 SDCM)



Spectra

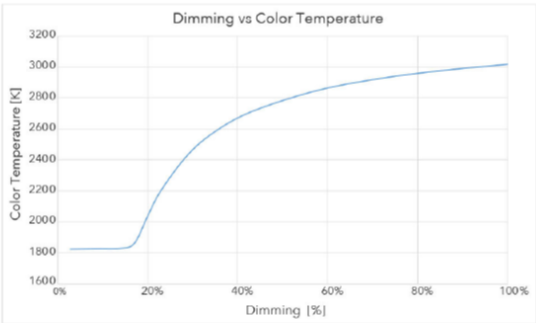


Color distortion



AmbientDim™ A14

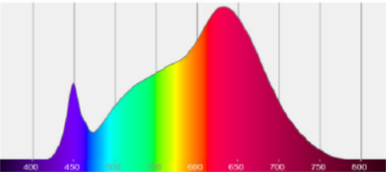
- <3 MacAdam Ellipse (<3 SDCM)



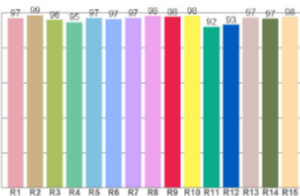
3000 CCT Full Output



Spectra



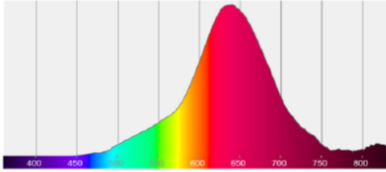
CRI: 96.9 (R1-R8)



1850 CCT 5% Output



Spectra



CRI: 92.6 (R1-R8)

