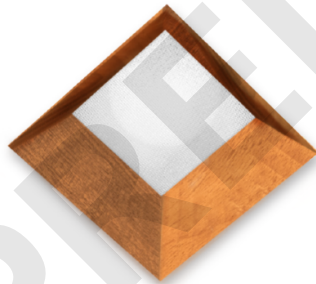
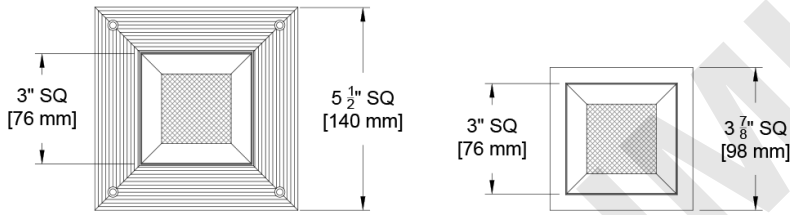
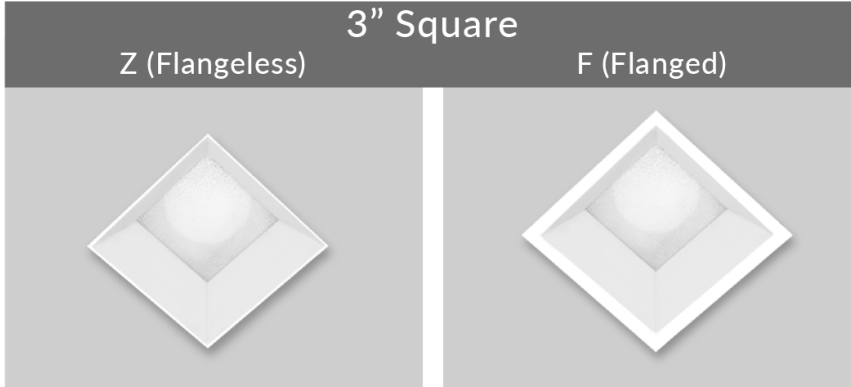


The Core Family

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										
Core 3" Square Fixed Downlight	DR Deep Regress	<p>Flangeless Trims</p> <p>Z Flangeless Trim</p> <p>ZS Flangeless Shower Trim</p> <p>Flanged Trims</p> <p>FS Flanged Shower Trim</p> <p>F Flanged Trim</p> <p>* Aperture Lens Required</p>	<p>Shallow Housing</p> <p>ASPM ●● Airtight Shallow Panel IC-Rated</p> <p>ASP ●● Airtight Shallow Plaster IC-Rated</p> <p>ASU ●● Airtight Shallow Universal IC-Rated</p> <p>●● Supports California Title 24 compliance to JA8 Requirements</p>	<p>C6 * ●● 6W 364Lm 90+CRI, 60+R9</p> <p>C8 * ●● 8W 497Lm 90+CRI, 60+R9</p> <p>C10 * ●● 10W 580Lm 90+CRI, 60+R9</p> <p>C14 ●● 15W 1397Lm 90+CRI, 60+R9</p> <p>C20 ●● 21W 1780Lm 90+CRI, 60+R9</p> <p>Tunable</p> <p>T9 10W 90+CRI, 60+R9 Tunable White</p> <p>T15 15W 90+CRI, 60+R9 Tunable White</p> <p>RGBW 90+CRI, 60+R9</p> <p>Ambient Dim™</p> <p>A14 ●● 15W 656Lm 95+CRI, 90+R9</p> <p>●● California Title 24 Compliant to JA8</p> <p>* Only with 10° optic</p> <p>View Photometry</p>	<p>24 2400K</p> <p>27 2700K</p> <p>30 3000K</p> <p>35 3500K</p> <p>40 4000K</p> <p>Tunable</p> <p>TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4</p> <p>TW2765 2700-6500K Tunable White w/ E1, E2, E3, E4</p> <p>RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4</p> <p>Ambient Dim™</p> <p>2722 2700-2200K</p> <p>3019 3000-1900K</p> <p>3022 3000-2200K</p>	<p>10 Narrow Spot *Only with C6, C8, & C10</p> <p>15 Spot</p> <p>24 Narrow Flood</p> <p>36 Flood</p> <p>55 Wide Flood</p>	<p>C1 0-10 1.0%, UNV (120-277V) linear</p> <p>C2 ELV/Triac 1.0%, (120V) linear</p> <p>E1 0-10 0.1%, UNV (120-277V) log</p> <p>E2 DALI-2 0.1%, UNV (120-277V) log</p> <p>E3 0-10 0.1%, UNV (120-277V) linear</p> <p>E4^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX</p> <p>^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS</p> <p>TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only</p>	<p>W White Paint</p> <p>B Black Paint</p> <p>D Wood*</p> <p>PXX Specialty Paint Color*</p> <p>P01-P15</p> <p>C Custom/RAL Color**</p> <p>*Wood "D" Selection to be used with Z trim and PM mounting **See Specialty Finish Guide</p> <p></p> <p></p>	<p>Aperture Lens</p> <p>91A Solite</p> <p>93A Frosted</p> <p>XXA Other Aperture Lens Treatments*</p> <p>Reflector (lamp) Media</p> <p>91L Solite</p> <p>93L Frosted</p> <p>97L Black Hexcel Louver</p> <p>XXL Other reflector (lamp) media*</p> <p>1 piece of Media per opening (aperture or reflector) can be selected *Refer to Lens Accessory Guide</p> <p></p>	<p>CP Chicago Plenum</p> <p>EM Emergency Pack</p> <p>Controls</p> <p>ATH Lutron Athena Wireless Node Must be used with E2 driver</p> <p>CA Casambi Wireless BLE to be paired with driver</p>

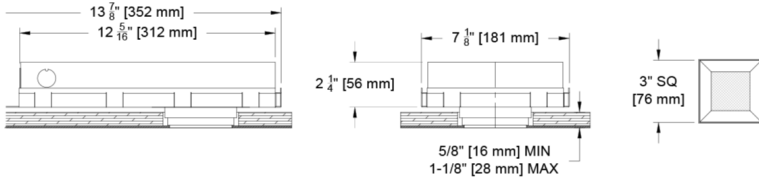
Ceiling Cutouts and Dimensions

Deep Regress shown - other apertures are similar

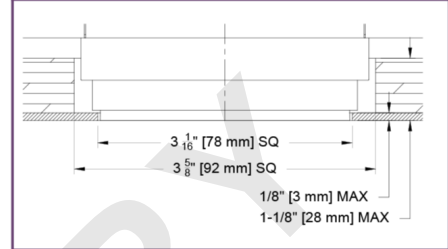
Square Flangeless Housing

Panel Mount (Z/ASPM)

CR3D-SF-Z-ASPM-



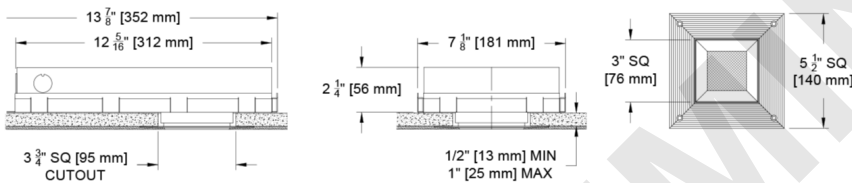
Panel Mount Detail



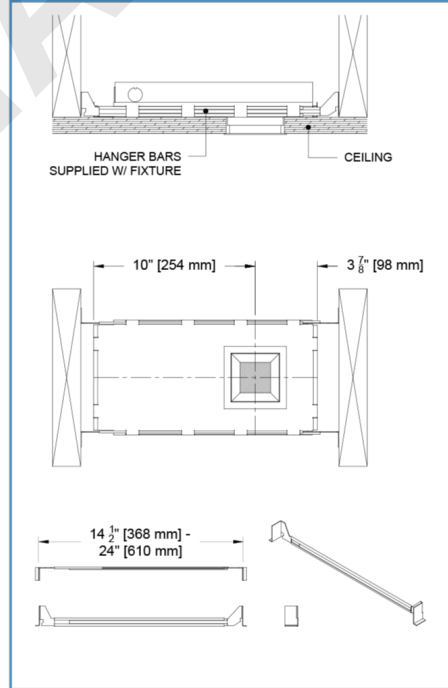
Square Flangeless Housing

Plaster Mount (Z/ASP)

CR3D-SF-Z-ASP-



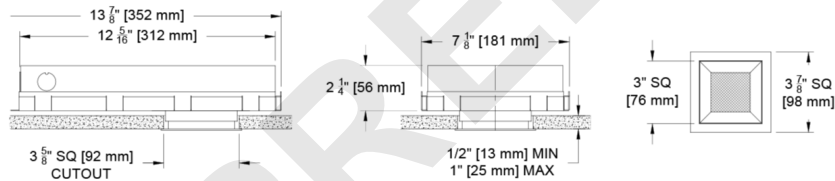
Hanger Bar Detail



Square Flanged Housing

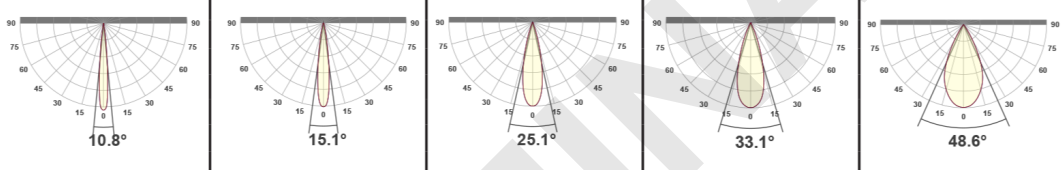
Universal Mount (F/ASU)

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																											
2700	0.95																										
3000	1.00																										
3500	1.02																										
4000	1.03																										



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

PRELIMINARY

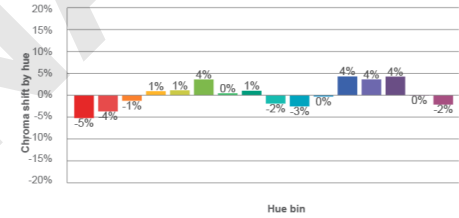
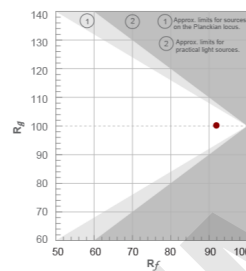
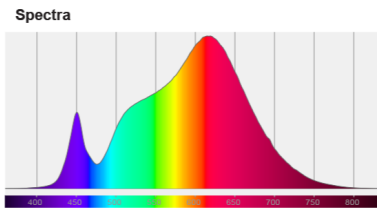
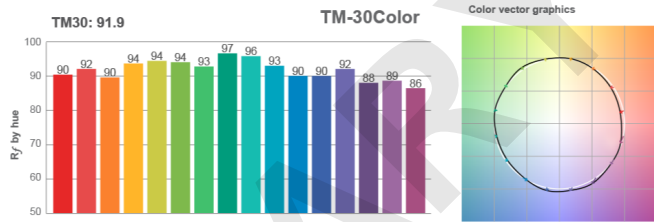
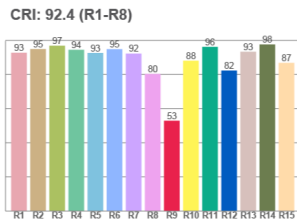
Citizen Sources - C6, C8, C10, C14, & C20

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