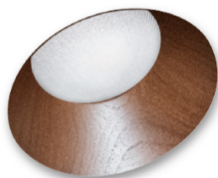
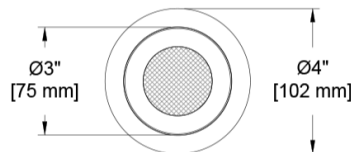
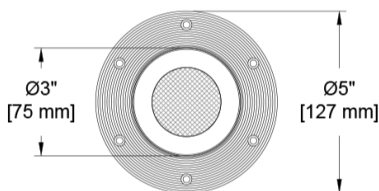
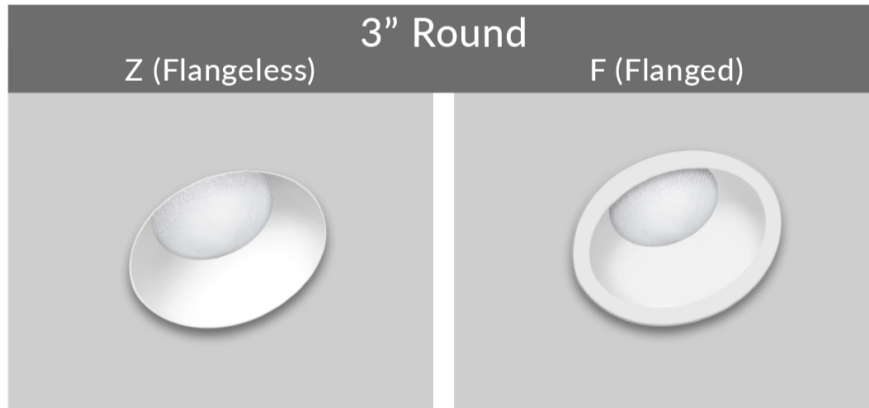


The Core Family

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										
Core 3" Round Fixed Downlight	DR Deep Regress	Flangeless Trims Z Flangeless Trim ZS Flangeless Shower Trim Flanged Trims F Flanged Trim FS Flanged Shower 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 CA Title 24 Compliance to JA8 * Not compatible with C28	C6 * 6W 365Lm 90+CRI, 60+R9 C8 * 8W 497Lm 90+CRI, 60+R9 C10 * 10W 580Lm 90+CRI, 60+R9 C14 ●● 15W 1423Lm 90+CRI, 60+R9 C20 ●● 21W 1880Lm 90+CRI, 60+R9 Tunable T9 ●● 10W 90+CRI, 70+R9 Tunable White T15 15W 90+CRI, 60+R9 Tunable White RGBW 90+CRI, 60+R9 Ambient Dim™ A14 ●● 15W 858Lm 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 *A14 Only 3019 3000-1900K 3022 3000-2200K *A14 Only	10 Narrow Spot * Only with C6, C8, & C10 15 Spot 24 Narrow Flood 36 Flood 50 Wide Flood	C1 0-10 1.0%, UNV (120-277V) linear C2 ELV/Triac 1.0%, (120-277V) 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 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only * Not compatible with C28	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 LENS ACCESSORY VISUAL GUIDE LINK	Aperture Lens 91A Solite 92A Supertex (Spreader Lens) 93A Frosted XXA Other Aperture Lens Treatments* Reflector (lamp) Media 91L Solite 92L Supertex (spreader lens) 97L Black Hexcel Louver XXL Other reflector (lamp) media* 1 piece of media per opening (aperture or reflector) can be selected. *See Lens Accessory Guide	EM Emergency Pack* *Remote Required CP Chicago Plenum CA Casambi Wireless BLE to be paired with driver Controls ATH Lutron Athena Wireless Node Must be used with E2 driver

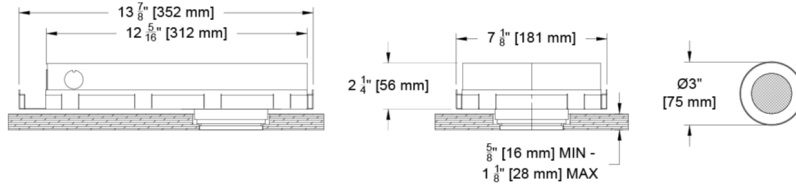
Ceiling Cutouts and Dimensions

For Deep Regress

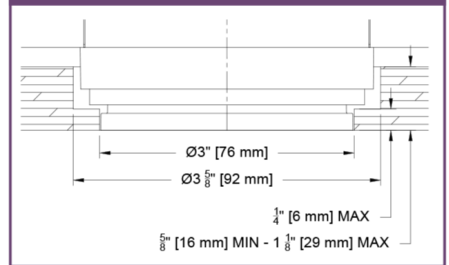
Round Flangeless Housing

Panel Mount (Z/ASPM)

CR3D-RF-Z-ASPM-



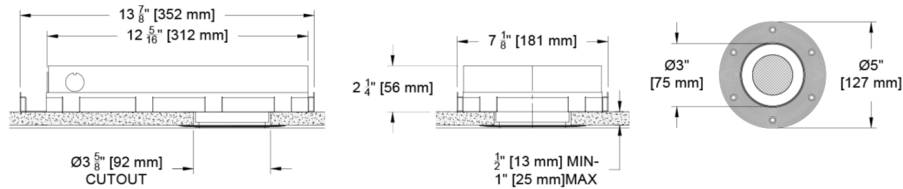
Panel Mount Detail



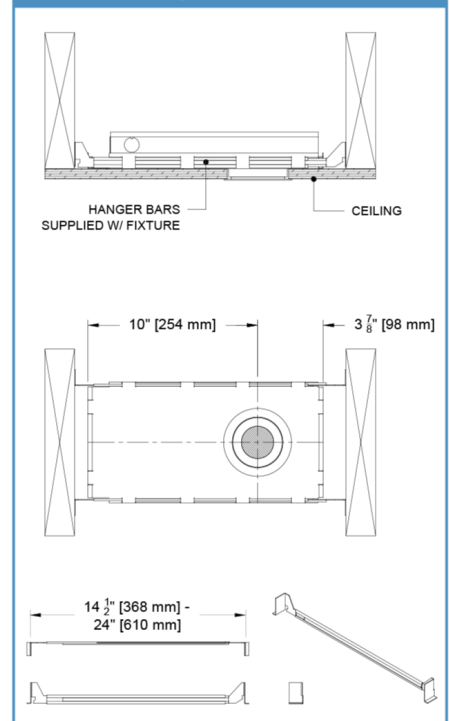
Round Flangeless Housing

Plaster Mount (Z/ASP)

CR3D-RF-Z-ASP-



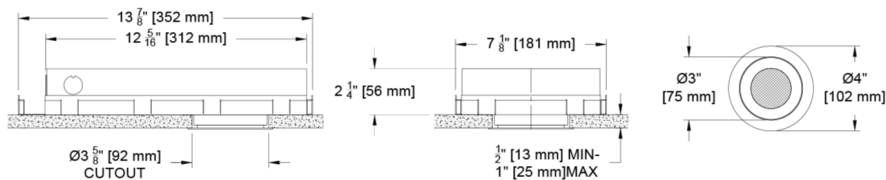
Hanger Bar Detail



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

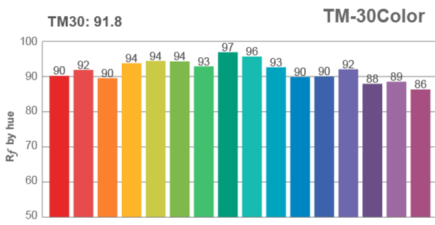
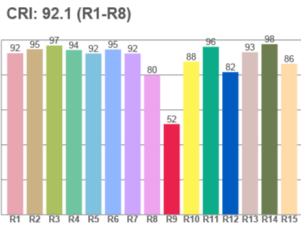
		10°					15°				24°				36°				50°			
		System watts (W)	Del. Lms	Lms/ Watt	Peak CD	10% Field	Del. Lms	Lms/ Watt	Peak CD	10% Field	Del. Lms	Lms/ Watt	Peak CD	10% Field	Del. Lms	Lms/ Watt	Peak CD	10% Field	Del. Lms	Lms/ Watt	Peak CD	10% Field
Citizen C6		6	364	63	7908	18°	Not Compatible				Not Compatible				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		??																				

Color Data

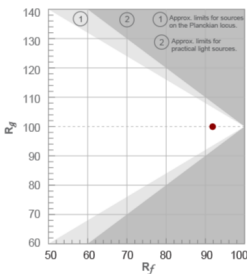
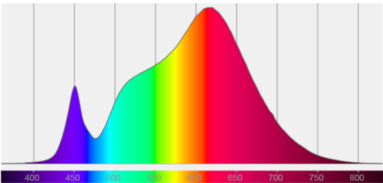
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated range.

Citizen CoB

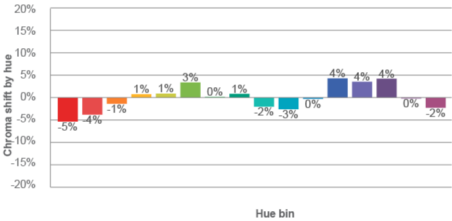
- <3 MacAdam Ellipse (<3 SDCM)



Spectra



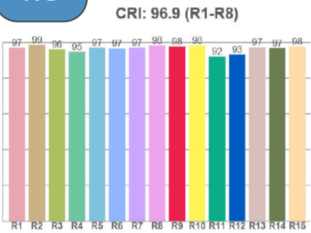
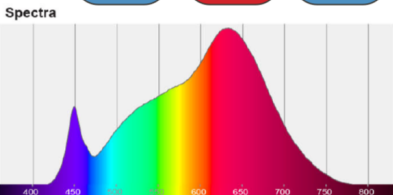
Color distortion



AmbientDim™ A14

- <3 MacAdam Ellipse (<3 SDCM)

3000 CCT Full Output



1850 CCT 5% Output

