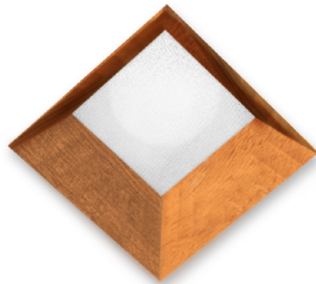
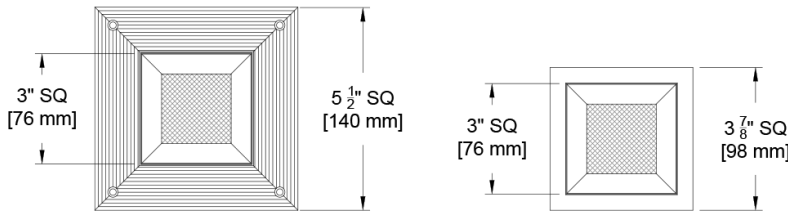
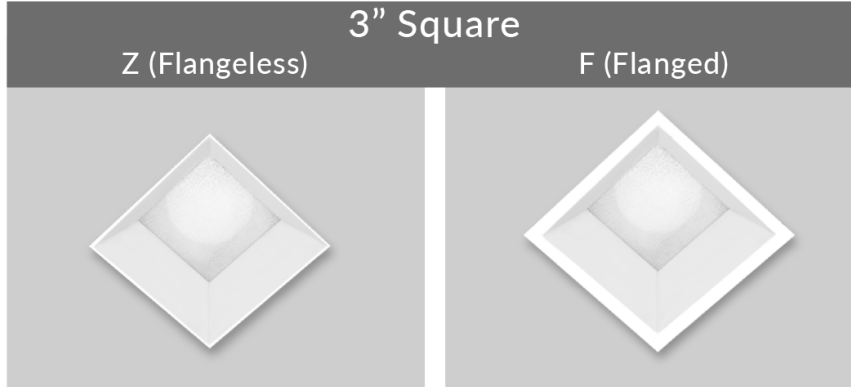


The Core Family

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, 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

- 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 | ●● Supports California Title 24 compliance to JA8 Requirements | C20 ●● 21W 1862Lm 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 |
| | | F Flanged Trim | | Tunable | Tunable | | E4^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX | C Custom/RAL Color** | 91L Solite | |
| | | * Aperture Lens Required | | T9 10W 90+CRI, 60+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 | *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 | | TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only | 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 | | | | LENS ACCESSORY VISUAL GUIDE LINK | |
| | | | | ●● California Title 24 Compliant to JA8 | 3019 3000-1900K | | | | | |
| | | | | * Only with 10" optic | 3022 3000-2200K | | | | | |
| | | | | View Photometry | | | | | | |

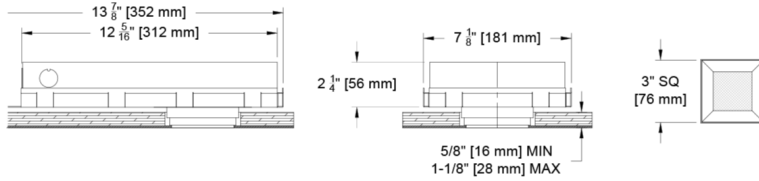
Ceiling Cutouts and Dimensions

Deep Regress shown - other apertures are similar

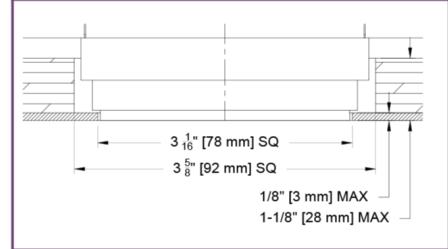
Square Flangeless Housing

Panel Mount (Z/ASPM)

CR3D-SF-Z-ASPM-



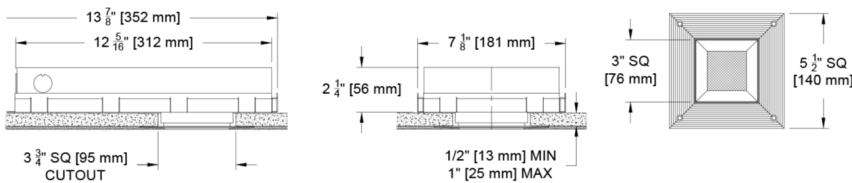
Panel Mount Detail



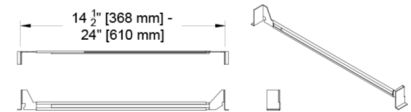
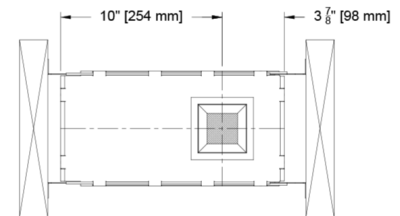
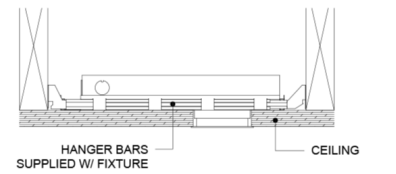
Square Flangeless Housing

Plaster Mount (Z/ASP)

CR3D-SF-Z-ASP-



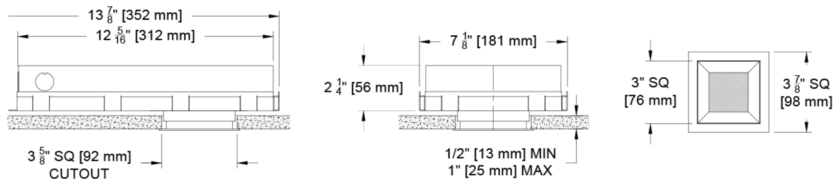
Hanger Bar Detail



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.

| | 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° | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | 10.8° | | | | 15.1° | | | | 25.1° | | | | 33.1° | | | | 48.6° | | | | | | | |
| | | | | | | 2700 | | | | 0.95 | | | | 3000 | | | | 1.00 | | | | 3500 | | | | 1.02 | | | | 4000 | | | |

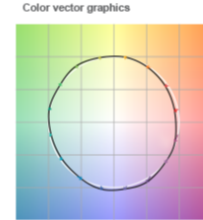
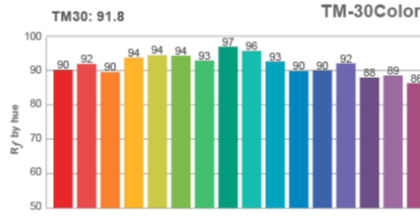
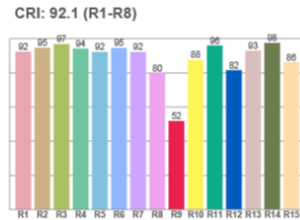
All Measurements delivered or derived delivered lumens based on 3000K.

Citizen CoB C6, C8, C10, C14, C20

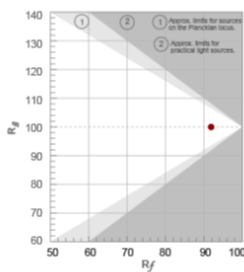
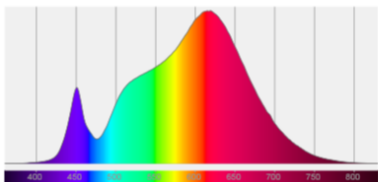
- <3 MacAdam Ellipse (<3 SDCM)

92 CRI 52 R9

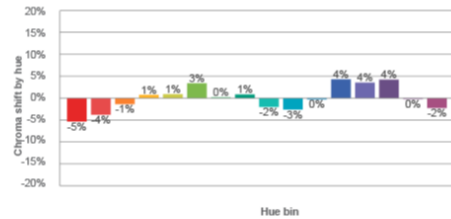
92 RF 100 RG



Spectra



Color distortion



AmbientDim™ A14

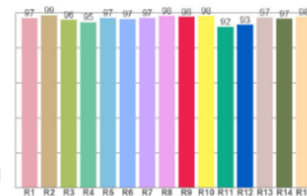
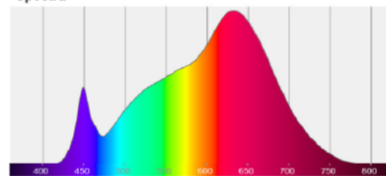
- <3 MacAdam Ellipse (<3 SDCM)

3000 CCT Full Output

97 CRI 98 R9 95 RF 104 RG

CRI: 96.9 (R1-R8)

Spectra



1850 CCT 5% Output

93 CRI 72 R9 83 RF 110 RG

CRI: 92.6 (R1-R8)

Spectra

