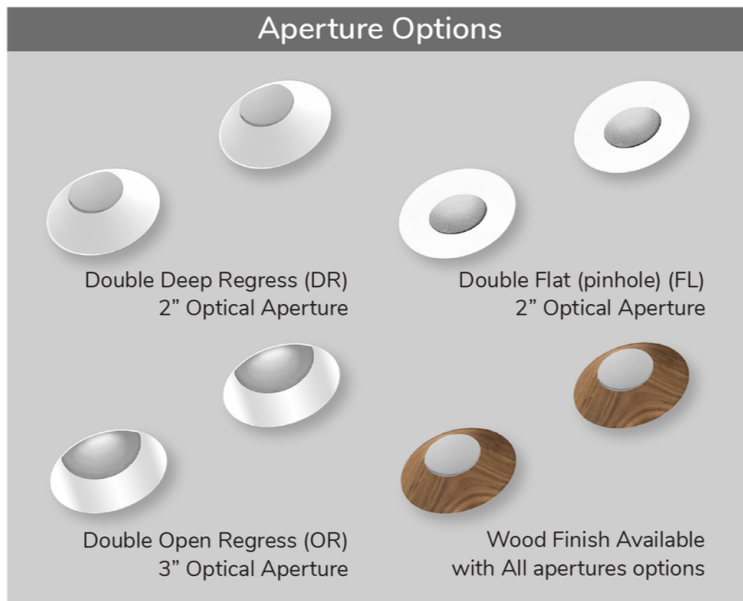
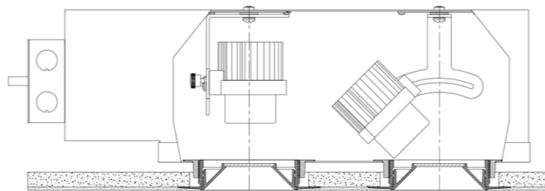
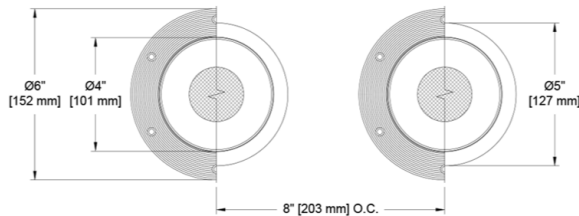
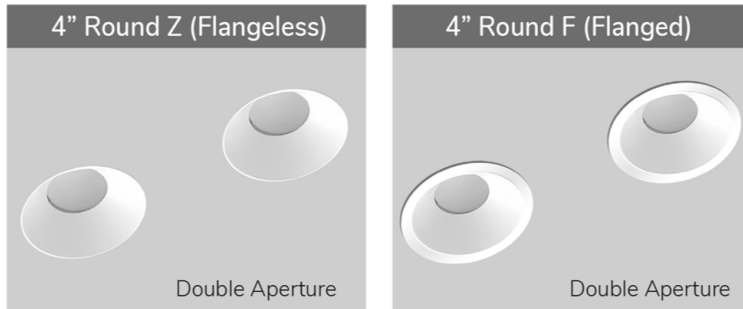


The Core Family

When one Core is not enough, you can make it a double. Need more light, or savings on installation costs, this 8" on center dual aperture fixture delivers a rich diversity of technical and aesthetic options including 3 trim aperture types, over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), multiple beam spreads and plethora of driver and control choices. The Core downlight is created on a platform allowing a high degree of modification, so if you don't see what you are looking for, just ask for it.



PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR4MD-RMDL)

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
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 4600 delivered lumens with both openings and C28 source
- Adjustable to 45° with 358° of rotation
- 4 beamspreads available- 15°, 24°, 40°, and 55°

Housing

- **TITLE 24** Compliant to **JA8** with Airtight Housing
- **UL** 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 aluminum for new construction or remodel

Driver

- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- Prewired and integral to housing
- Universal 120-277v

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4MD-RMDL-DR-Z-APM-C20-35-24-E2-2C-D-91A-97L-CP

| FIXTURE | APERTURE | TRIM | MOUNTING | SOURCE / WATTS | CCT | BEAM | DRIVER / CONTROL | CIRCUITS | TRIM FINISH | LENS ACCESSORIES | ACCESSORIES |
|---|------------------------------|--|--|---|--|--------------------|---|-----------------|-------------------------------|---|--|
| CR4MD-RMDL | | | | | | | | | | | |
| Core 4" Round Double Adjustable Downlight | DR Double Deep Regress | Flanged Trims | Flanged Housings | Citizen | 24 2400K | 15 Spot | C1 0-10 1.0%, UNV (120-277V) linear | 1C 1 Circuit | W White Paint | Aperture Lens | CP Chicago Plenum |
| | OR Double Open Regress | F Flanged Trim | U Universal - Non-IC Housing | C14 15W 1074Lm** 90+CRI, 60+R9 | 27 2700K | 24 Narrow Flood | C2 ELV/Triac 1.0%, (120V) linear | 2C 2 Circuit | B Black Paint | 91A Solite | EM Emergency Pack |
| | FL Double Flat (Pin Hole) | FS Flanged Shower Trim* | AU Universal IC/Airtight* | C20 21W 1422Lm** 90+CRI, 60+R9 | 30 3000K | 40 Flood | E1 0-10 0.1%, UNV (120-277V) log | | D Wood* | 93A Frosted | Controls |
| | | (for mounting choose from Flanged Houses) | Flangeless Housings | C28 30W† 2006Lm** 90+CRI, 60+R9 | 35 3500K | 55 Wide Flood | E2 DALI-2 0.1%, UNV (120-277V) log | | PXX Specialty Paint Color* | XXA Other Aperture Lens Treatments* | LR Lutron Wireless RF PowPak |
| | | Flangeless Trims | P Plaster - Non-IC Housing | Tunable | 40 4000K | | E3 0-10 0.1%, UNV (120-277V) linear | | C Custom/RAL Color** | Reflector (lamp) Media | ATH Lutron Athena Wireless Node <i>Must be used with E2 driver</i> |
| | | Z Flangeless Trim | AP Plaster IC/Airtight* | T9 10W 90+CRI, 60+R9 <i>Tunable White</i> | TW1840 1800-4000K Tunable White <i>w/ E1, E2, E3, E4</i> | | E4^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller <i>RGBW-DMX ^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS</i> | | P01-P15 | 91L Solite | |
| | | ZS Flangeless Shower Trim* | PM Panel Mount | T15 15W 90+CRI, 60+R9 <i>Tunable White</i> | TW2765 2700-6500K Tunable White <i>w/ E1, E2, E3, E4</i> | | LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1 | | | 93L Frosted | CA Casambi Wireless BLE to be paired with driver |
| | | (for mounting choose from Flangeless Houses) | APM Panel Mount Airtight/IC* | T20 21W 90+CRI, 60+R9 <i>Tunable White</i> | RG1280 1200-8000K RGBW Dynamic Color Changing <i>*Requires E2 or E4</i> | | TR2 TruPhase™ 0.1%, (100-277V) linear Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only | | | 97L Black Hexcel Louver | |
| | | * Aperture Lens Required | California Title Compliant <i>*Cannot be used with C28 Source</i> | RGBW 90+CRI, 60+R9 | Ambient Dim™ | | | | | XXL Other reflector (lamp) media* | |
| | | | | A14 15W 1001Lm 95+CRI, 90+R9 | 2722 2700-2200K <i>*A14 Only</i> | | | | | 1 piece of media per opening (aperture or reflector) can be selected. <i>*See Lens Accessory Guide</i> | |
| | | | | A20 21W 858Lm 95+CRI, 90+R9 | 3019 3000-1900K | | | | | | |
| | | | | California Title 24 Compliant to JA8. | 3022 3000-2200K <i>*A14 Only</i> | | | | | | |
| | | | | * Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers. | | | | | | | |
| | | | | †Does not meet CA title 24 with Flat aperture. | | | | | | | |
| | | | | ** Based on Deep Regress 24" beam. | | | | | | | |

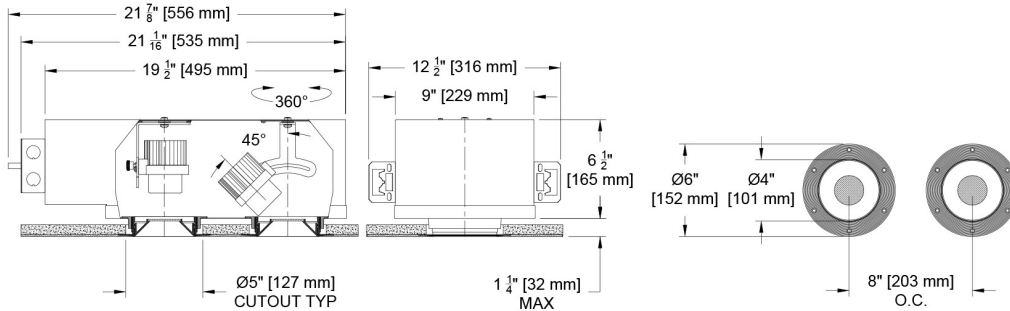
Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar

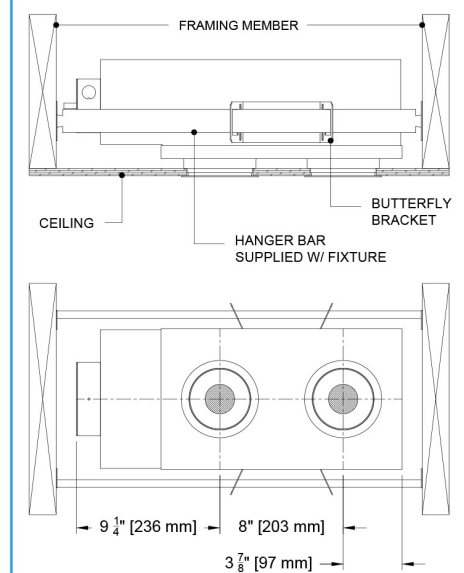
4" Round Flangeless Housing

Plaster Mount (P/AP)

(CR4MD-RMDL-DR-Z-P/AP)



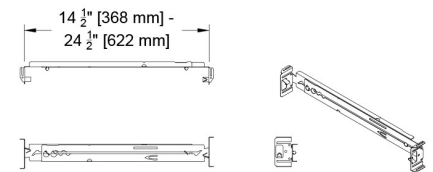
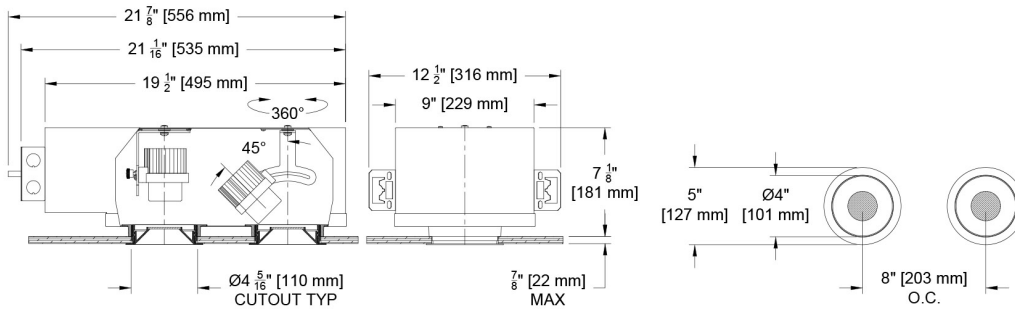
Hanger Bar Detail



4" Round Flangeless Housing

Flanged Mount (U/AU)

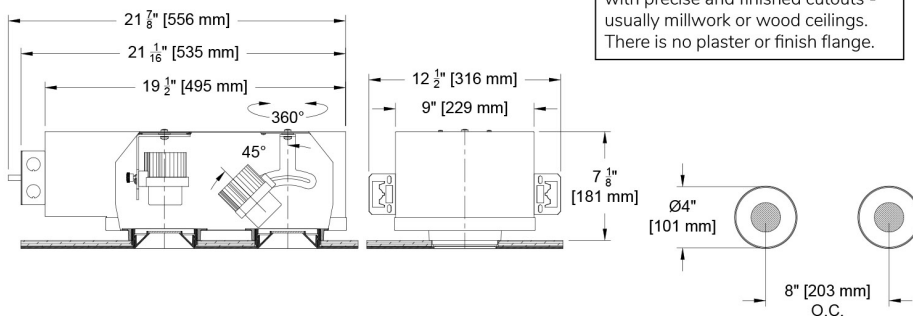
(CR4MD-RMDL-DR-F-U/AU)



4" Round Panel Mount Housing

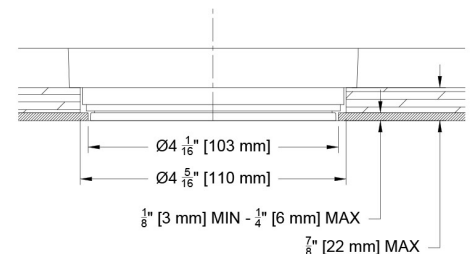
Panel Mount (PM/APM)

(CR4MD-RMDL-DR-Z-PM/APM)



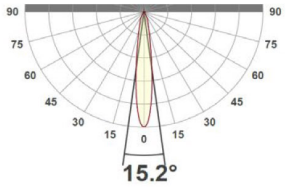
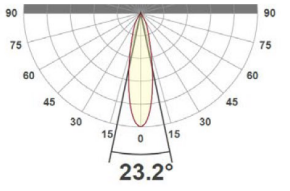
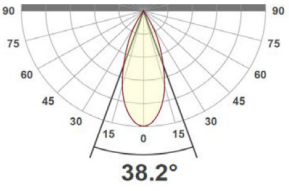
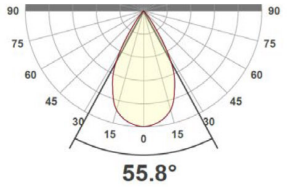
NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

Panel Trim Detail



Photometric Table

Values are based on a single aperture CR4D-RA. Calculations will require placing the second head (file) 8" on center from the first placed IES file. All Measurements are delivered or derived delivered lumens based on 3000k. Ambient dim at full output. *C28 source requires active cooling and must be used with NIC housing for required airflow. Flat (Pin Hole) aperture wide beams experience significant beam clipping - refer to PDF report for exact FWHM beam angle. All values can vary +/-10% from source manufacturer rated flux range.

| ROUND Beamspreads | | | 15° | | | | 24° | | | | 40° | | | | 55° | | | |
|-------------------------------------|-----------------|---------------------|---|-----------------|------------|-----------|---|-----------------|------------|-----------|--|-----------------|------------|-----------|---|-----------|------------|-----------|
| Source | | System watts (W) | Delivered Lumens (lm) | Lumens/ Watt | Peak cd | 10% Field | Delivered Lumens (lm) | Lumens/ Watt | Peak cd | 10% Field | Delivered Lumens (lm) | Lumens/ Watt | Peak cd | 10% Field | Del. Lumens (lm) | Lms/ Watt | Peak cd | 10% Field |
| Deep Regress | Citizen C14 | 15 | 1149 | 77 | 7832 | 42° | 1074 | 72 | 4247 | 46° | 1117 | 74 | 2867 | 51° | 1098 | 73 | 1416 | 71° |
| | Citizen C20 | 21 | 1531 | 73 | 11189 | 43° | 1422 | 68 | 6491 | 52° | 1490 | 71 | 4096 | 56° | 1464 | 70 | 2208 | 72° |
| | Citizen C28* | 30 | 2046 | 68 | 16106 | 41° | 2006 | 67 | 9871 | 47° | 2069 | 69 | 5688 | 54° | 2020 | 67 | 3155 | 69° |
| | Ambient Dim A14 | 15 | 882 | 59 | 7188 | 38° | 858 | 57 | 4167 | 44° | 801 | 53 | 2027 | 57° | 844 | 56 | 1286 | 70° |
| Open Regress | Citizen C14 | 15 | 1267 | 84 | 7877 | 42° | 1179 | 79 | 4203 | 52° | 1183 | 79 | 2421 | 66° | 1199 | 80 | 1533 | 75° |
| | Citizen C20 | 21 | 1689 | 80 | 12229 | 41° | 1571 | 75 | 6562 | 57° | 1578 | 75 | 3459 | 63° | 1536 | 73 | 1965 | 76° |
| | Citizen C28* | 30 | 2331 | 78 | 16883 | 44° | 2169 | 72 | 9060 | 55° | 2177 | 73 | 5140 | 67° | 2163 | 72 | 2939 | 75° |
| | Ambient Dim A14 | 15 | 1001 | 67 | 7323 | 39° | 987 | 66 | 4067 | 53° | 991 | 66 | 2235 | 60° | 969 | 65 | 1281 | 72° |
| Flat (Pin Hole) | Citizen C14 | 15 | 824 | 55 | 7851 | 37° | 716 | 48 | 4844 | 46° | 700 | 47 | 2801 | 51° | 623 | 42 | 1370 | 64° |
| | Citizen C20 | 21 | 1099 | 52 | 11216 | 35° | 967 | 46 | 6544 | 42° | 933 | 44 | 3732 | 49° | 830 | 40 | 1957 | 62° |
| | Citizen CZ8* | 30 | 1517 | 51 | 16982 | 32° | 1334 | 44 | 8389 | 44° | 1288 | 43 | 5154 | 53° | 1145 | 38 | 2962 | 59° |
| | Ambient Dim A14 | 15 | 747 | 50 | 7305 | 36° | 702 | 47 | 4077 | 42° | 678 | 45 | 2247 | 50° | 622 | 41 | 1076 | 63° |
| CCT Multiplier | | |  | | | |  | | | |  | | | |  | | | |
| CCT | Citizen | | | | | | | | | | | | | | | | | |
| 2700 | 0.95 | | | | | | | | | | | | | | | | | |
| 3000 | 1.00 | | | | | | | | | | | | | | | | | |
| 3500 | 1.02 | | | | | | | | | | | | | | | | | |
| 4000 | 1.03 | | | | | | | | | | | | | | | | | |
| All measurements based on 3000 CCT. | | | | | | | | | | | | | | | | | | |

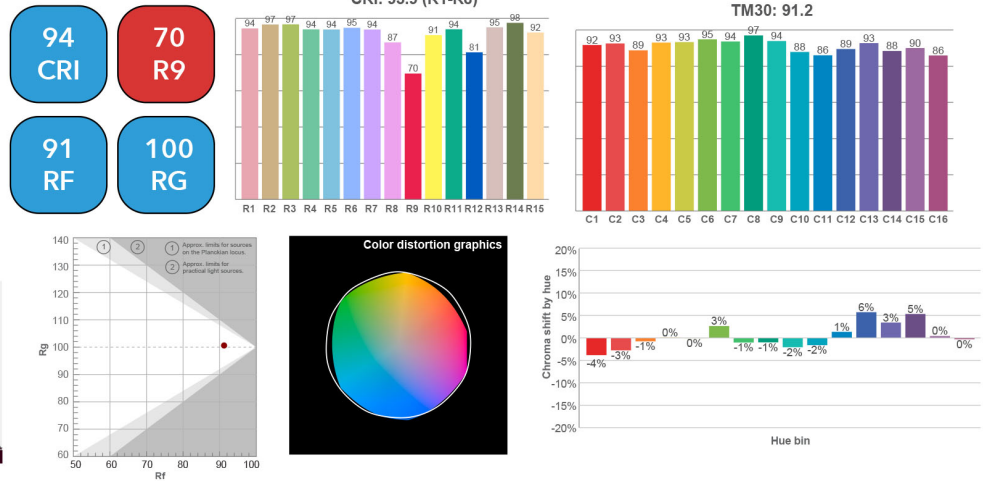
ISO CD Plot based on Open Regress.

Color Data

All data is based from goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT

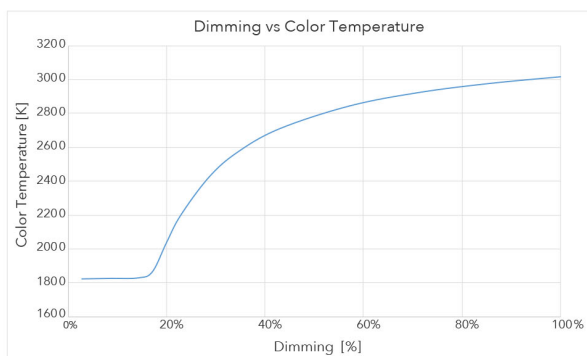
Citizen Sources - C14, C20 and C28

- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1



Ambient Dim - 3000k to 1900k

- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



3000 CCT Full Output



1850 CCT 5% Output

