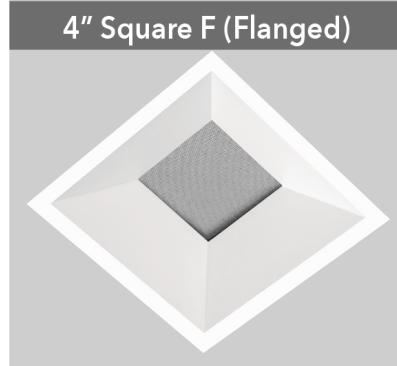
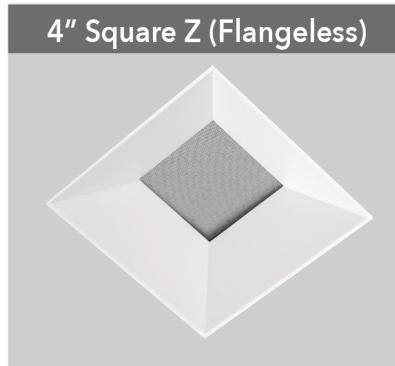
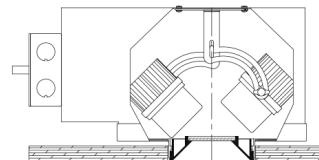
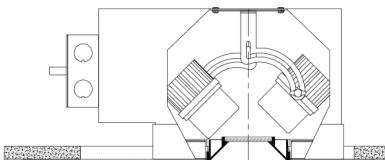
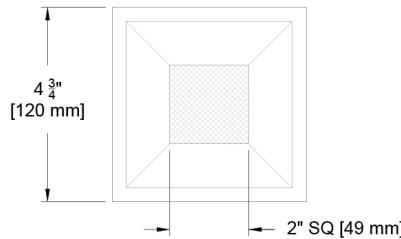
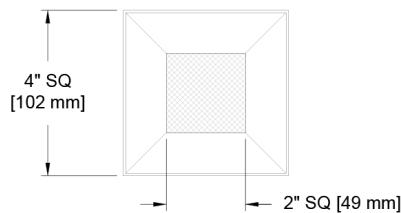


The Core Family

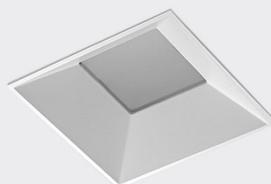
Welcome to the Core line of fixtures. The family is filled with a rich diversity of options while keeping classic forms. This family member features two adjustable heads deployed within a single square optical aperture of your choosing. The unique configuration allows down and accent lighting with 360° rotation and 45° tilt within a single ceiling element. With multiple source, driver, control, mounting and finish options, including wood trim, you should find the option you are looking for. If not, let us know the modification you need, we usually say YES.



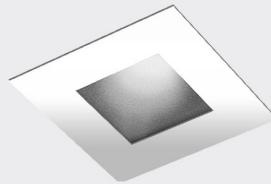
Deep Regress Shown



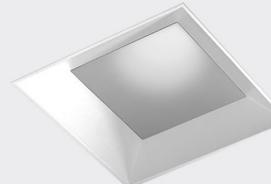
Aperture Options



Deep Regress (DR)
2" Optical Aperture
Formerly known as 1009M-2



FL- Flat (Pin Hole)
2" Optical Aperture
Formerly known as 1012M-2



Open Regress (OR)
3" Optical Aperture
Formerly known as 1017M-2



Wood Finish
All apertures options

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR4MD-SDH)

Trim

- Flanged or Flangeless
- One-piece die cast aluminum or machined wood trim
- 14 color options + custom RAL or wood available
- Flangeless plaster mounting includes plaster flange with lip
- Source / Optics
 - 2400K, 2700K, 3000K, 3500K, 4000K, Ambient Dim, RGBW & Tunable White options
 - 90 CRI, 60+ R9 Standard- 95 CRI 90+R9 available with Ambient Dim
 - <2 MacAdam Steps (<2SDCM) for fixed white
 - Up to 1068 delivered lumens from a single head
 - Adjustable to 45° with 358° of rotation for both heads
 - 4 beamspreads available- 15°, 24°, 40°, and 55°

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 aluminum for new construction or remodel
- Driver
 - TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
 - Flicker free to IEEE 1798-2015 available with EldoLED and TruPhase™ selections
 - Prewired and integral to housing
 - Universal 120-277v unless otherwise noted

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4MD-SDH-DR-Z-AU-A14-2722-24-E2-2C-P16-92A-91L-97L-CP

Fixture	Aperture	Trim	Mounting	Source / Watts	CCT	Beam	Driver / Control	Circuits	Trim Finish	Lens Accessories	Accessories
CR4MD-SDH											

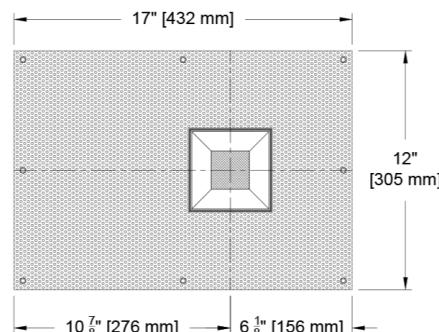
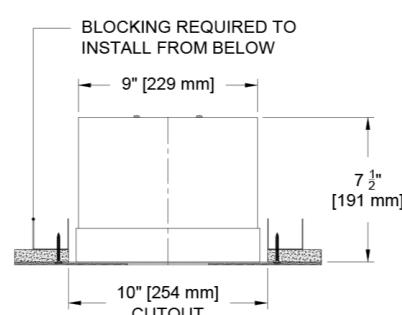
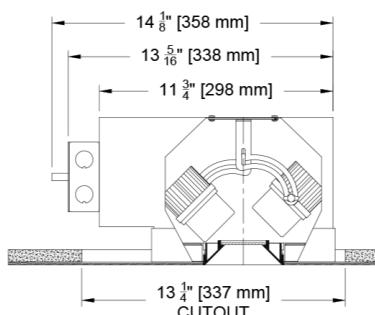
Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar

A Lutron or Eldoled driver selection requires a larger housing to accommodate packaging, wiring and service of "K-can" size driver. See next page for other mounting options and drawings

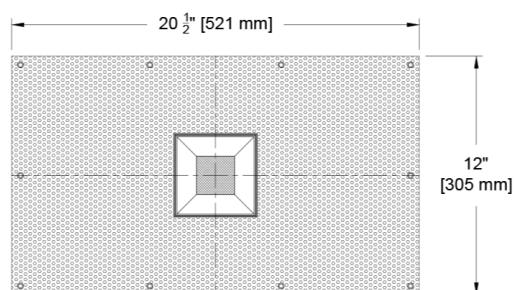
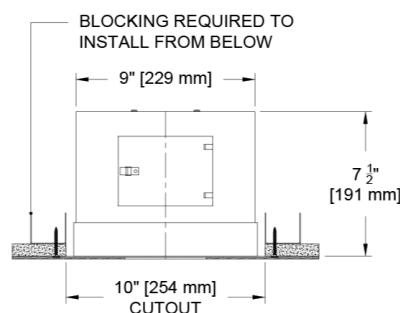
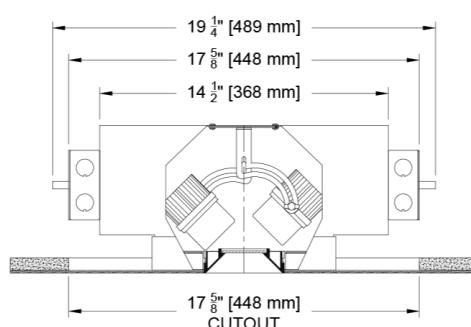
Square Flangeless Housing \ Plaster Mount (P/AP) \ C1 or C2 Driver

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



Square Flangeless Housing \ Plaster Mount (P/AP) \ Lutron or Eldo Driver

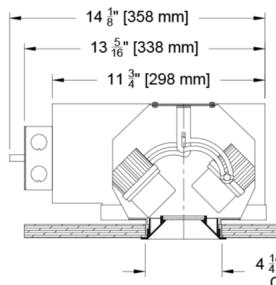
(CR4MD-SDH-DR-Z-P/AP)



Ceiling Cutouts and Dimensions

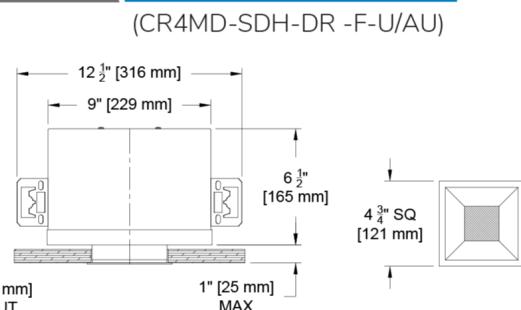
Deep Regress Shown - others similar

Square Flanged Housing

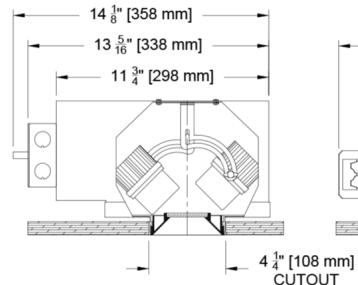


Flanged Mount (U/AU)

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

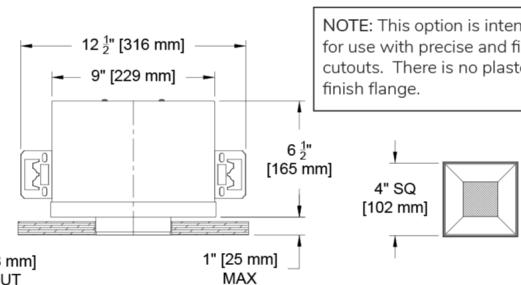


Square Flangeless Housing

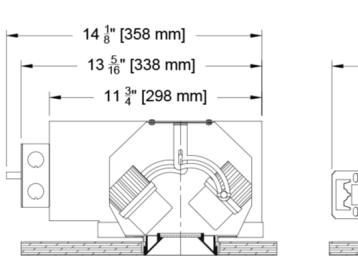


Flangeless Mount (U/AU)

(CR4MD-SDH-DR -Z-U/AU)

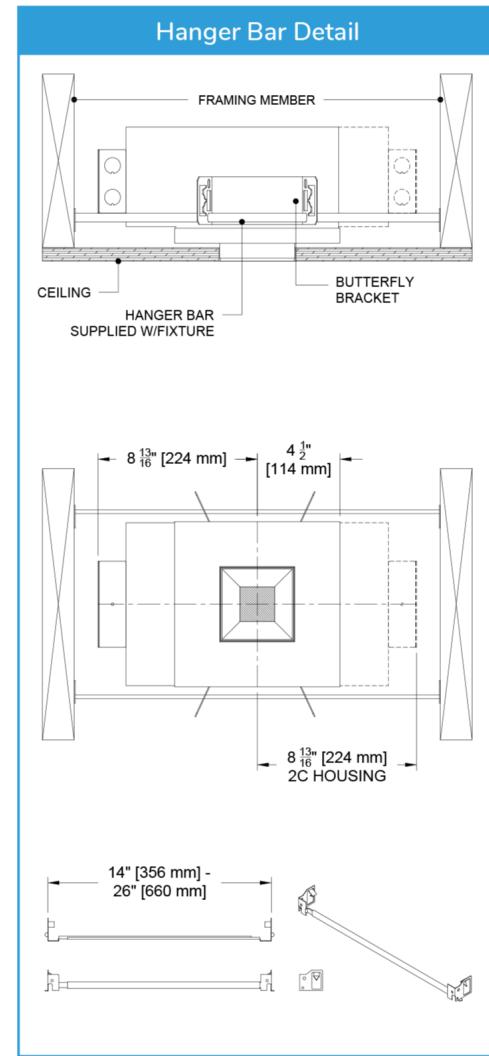
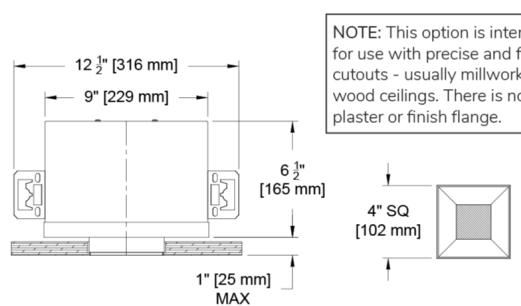


Square Flangeless Housing



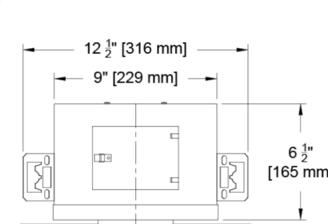
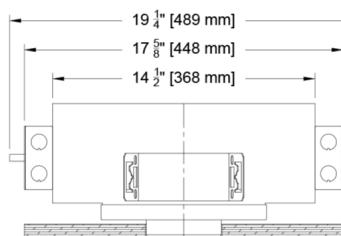
Panel Mount (PM/APM)

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

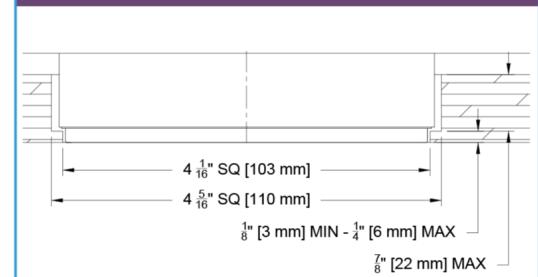


Housing Detail- EldoLED / Lutron Driver Selection

(CR4MD-SDH-__-C14-30-24)

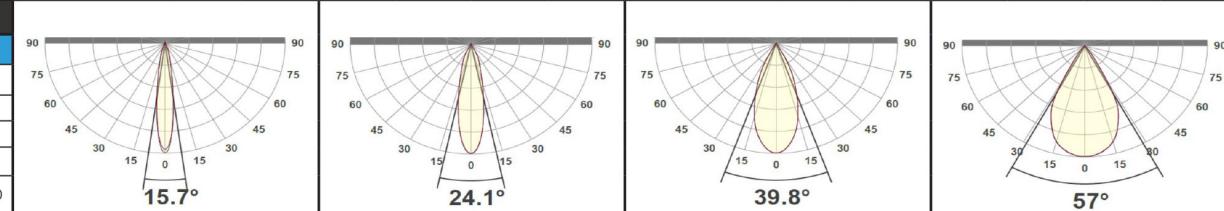
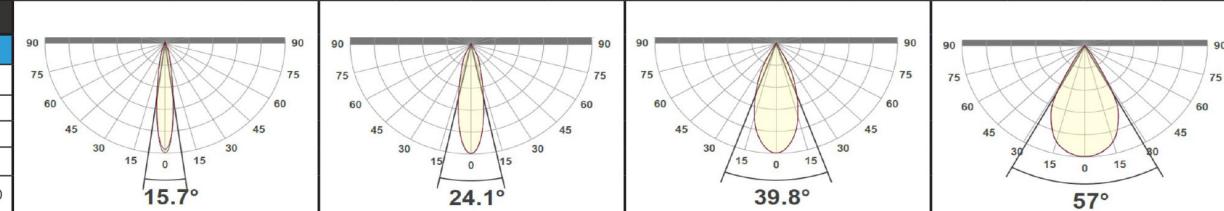


Panel Mount Detail



Photometric Table

Photometric values are based on a single head fixture. Multiple heads will deliver additional light and will need to be accounted for individually in calculations. All data is based from goniometer measurements of production representative product. All lumen values are delivered or derived and can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT and Ambient Dim at full output. Due to thermal and space considerations, our maximum power is 15 system watts. If higher lumen packages are desired in this configuration, contact your Regional Sales Manager for a custom request.

SQUARE 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	Delivered Lumens (lm)	Lms/ Watt	Peak CD	10% Field											
Deep Regress	Citizen C14	15	1068	71	7642	42°	995	66	4174	46°	1037	69	3429	51°	996	66	1402	71°											
	Ambient Dim A14	15	694	46	6220	43°	656	44	3189	44°	656	44	1827	53°	643	43	1028	70°											
Open Regress	Citizen C14	15	1173	78	7776	42°	1091	73	4167	52°	1112	74	2422	66°	1058	71	1357	74°											
	Ambient Dim A14	15	810	54	5857	39°	779	52	3270	56°	779	52	1829	60°	764	51	1058	72°											
Flat (Pin Hole)	Citizen C14	15	829	55	7740	37°	737	49	1436	46°	719	48	2379	51°	661	44	1357	64°											
	Ambient Dim A14	15	539	36	4828	36°	479	32	2326	42°	467	31	1301	50°	429	29	689	63°											
CCT Multiplier		 <table border="1"> <thead> <tr> <th>CCT</th> <th>Citizen</th> </tr> </thead> <tbody> <tr> <td>2700</td> <td>0.95</td> </tr> <tr> <td>3000</td> <td>1.00</td> </tr> <tr> <td>3500</td> <td>1.02</td> </tr> <tr> <td>4000</td> <td>1.03</td> </tr> </tbody> </table>																		CCT	Citizen	2700	0.95	3000	1.00	3500	1.02	4000	1.03
CCT	Citizen																												
2700	0.95																												
3000	1.00																												
3500	1.02																												
4000	1.03																												
All measurements based on 3000 CCT.																													

All Measurements delivered or derived delivered lumens based on 3000K. ISO CD plots based on Open Regress. Data is based on a single head. Dual heads will deliver more light depending on aim. Ambient dim at full output. Flat (Pin Hole) at wider beam angles experience significant beam clipping - refer to PDF report for exact FWHM beam angle.

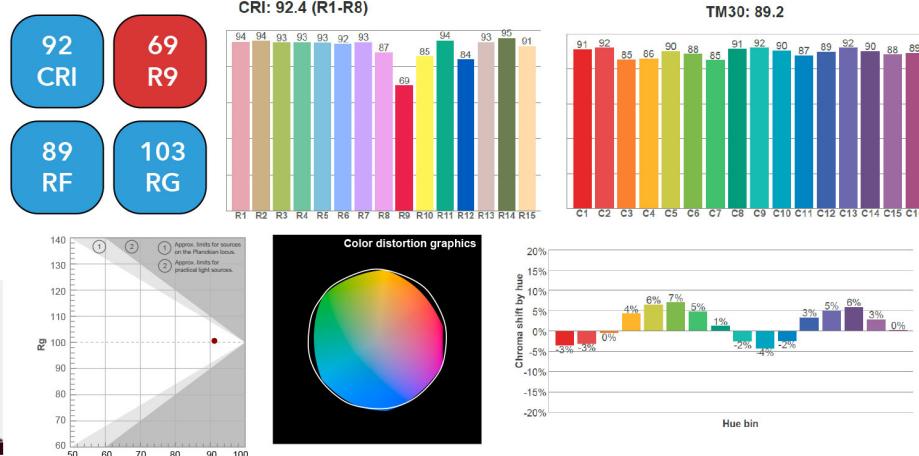
Color Data

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

Citizen Source C14, C20 and C28

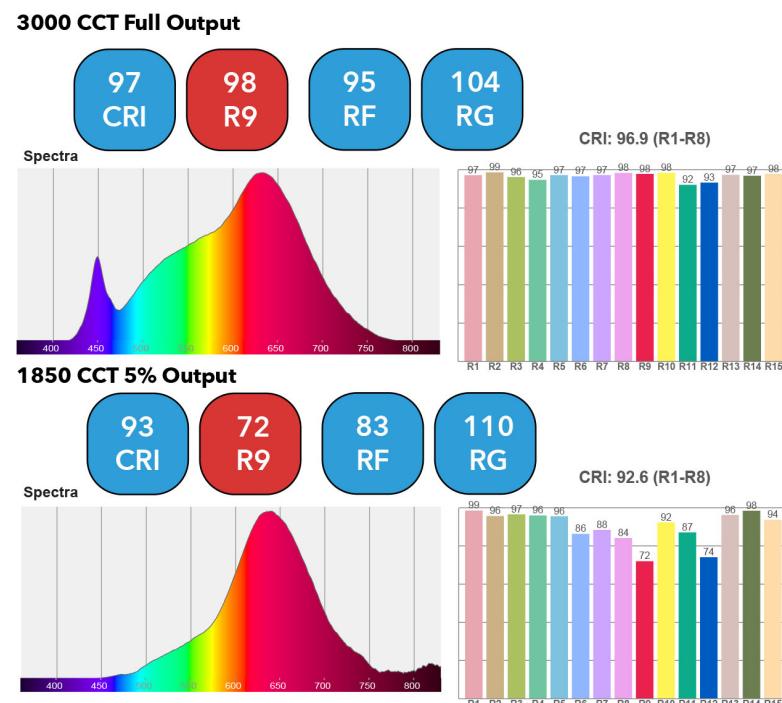
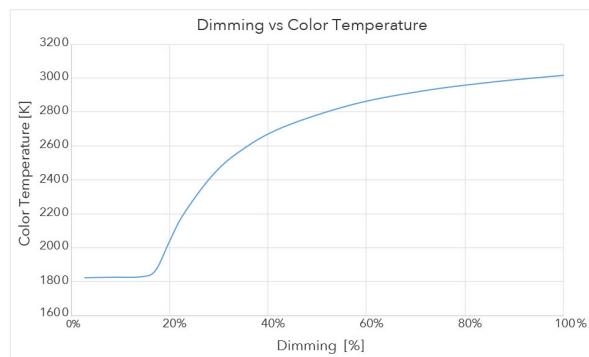
Citizen CoB

- <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



Tunable White and RGBW

Color and flux information available upon request