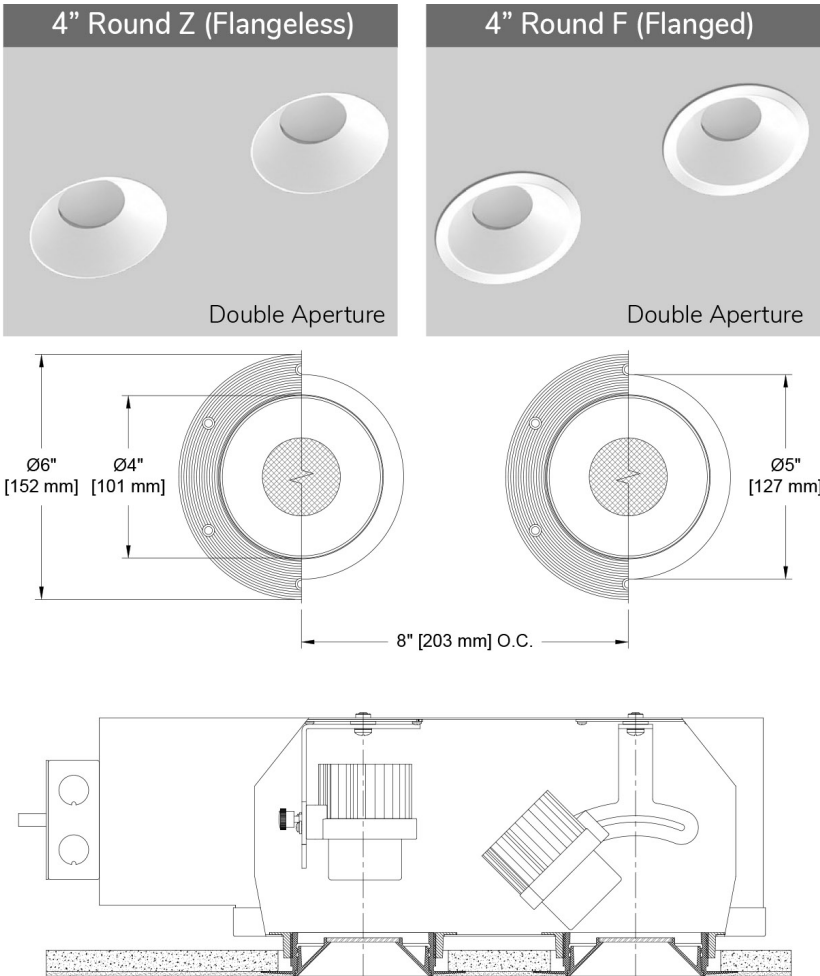


The Core Family

When wall washing and accent/downlighting are needed in the same ceiling space, this 8" on center dual aperture fixture delivers a rich diversity of technical and aesthetic options including field configurable wall wash, adjustable accent light, over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), and a plethora of driver and control choices. The Core Downlight/Wall Wash 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.



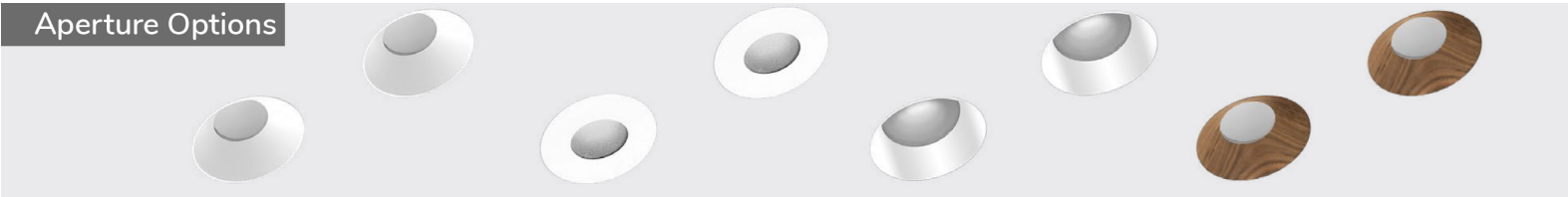
PROJECT: TYPE:
SPECIFIER: DATE:

Key Points (CR4MDW-RMDL)

- Trim
- Wall Wash trim and light engine can be field oriented to wash adjacent or oppsite walls
 - Individual die cast aluminum or machined wood
 - 14 color options + custom RAL or wood available
 - Plaster Mount has plaster flange and lip
- Source / Optics
- Wall wash achieves a uniform 3.7:1 ratio from top to bottom of 10' wall
 - Downlight/Accent adjustable with 45° tilt and 360° rotation
 - Over 2300 lumens delivered in downlight and 1600 lm in wall wash with and C28 source selection
 - <2 MacAdam Steps (<2SDCM) for fixed white
 - 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
 - 2700, 3000, 3500, 4000K, Ambient Dim standard. Tunable White and RGBW upon request
 - Lifetime: L87B3>55,000 hours at 40°C Ambient

- Housing
- 3 types of flangeless mounting options
 - Heavy gauge aluminum for new construction or remodel
 - IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
 - Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring
 - UL Listed – Damp or wet with shower trim
 - Compliant to with Airtight/IC Housing

- Driver
- Dimming to 0.1% available
 - Prewired and integral to housing
 - Flicker free to IEEE 1789-2015
 - Phase, 0-10, DALI, Ecosystem or Wireless Control
 - Universal 120-277v



Double Deep Regress (DR) 2" Optical Aperture Formerly known as 1001-MDL
Double Flat (pinhole)(FL) 2" Optical Aperture Formerly known as 1000-MDL
Double Open Regress (OR) 3" Optical Aperture Formerly known as 1016-MDL
Double Wood Finish All apertures options

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	Delivered Lumens (lm)	Lms/ Watt	Peak cd	10% Field
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°

Data based on single Deep Regress optical aperture. See full photometric table below for all apertures. All values are delivered or derived lumens/CD. Ambient Dim at full output. *C28 requires active cooling

Ordering Codes

PROJECT: SPECIFIER:
DATE: TYPE: QUANTITY:

Ordering Code Example: CR4DW-RMDL-FL-Z-AU-AWL-C20-35-15-LD-2C-P14-LR

FIXTURE	APERTURE	TRIM	MOUNTING	CONFIGURATION	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	CIRCUITS	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR4MDW-RMDL												
Core 4" Round Double Adjustable Downlight/Wall Wash	DR WW/DL-Deep Regress OR WW/DL-Open Regress FL WW/DL-Flat (Pin Hole) Note: Select for accent light aperture type	F Flanged Trim Z Flangeless Trim FS Flanged Shower Trim* ZS Flangeless Shower Trim*	Flanged Housings U Universal - Non IC AU Universal IC/Airtight* Flangeless Housings P Plaster - Non IC AP Plaster IC/Airtight* PM Panel Mount - Non IC APM Panel Mount Airtight/IC* California Title 24 Compliant *Cannot be used with C28 source	AWL Accent/Wall Wash Left WAL Wall Wash Left/Accent Wall Wash can be oriented in the field Thumbnails shown as RCP	Citizen C14 15W 1149Lm* 90+CRI, 60+R9 C20 21W 1531Lm* 90+CRI, 60+R9 C28 30W† 2046Lm* 90+CRI, 60+R9 Ambient Dim A14 15W 882Lm* 95+CRI, 90+R9 3000 to 1900K Tunable White 90+CRI, 70+R9 1800-4000K or 2700-6500K^ RGBW 90+CRI, 60+R9 ^ California Title 24 Compliant to JA8 for most downlight cells. † Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers. *Based on single downlight DR cell & 15° beam. ^ Available upon request. Contact your regional sales manager.	27 2700K 30 3000K 35 3500K 40 4000K AD 3000-1900K	15 Spot 24 Narrow Flood 40 Flood 55 Wide Flood Note: Select for accent light aperture only	C1 0-10 1.0%, UNV (120-277V) linear C2 ELV/Triac 1.0%, (120V) linear EldoLED 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 Lutron LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1 LP Digital Ecosystem* 0.1%, UNV (120-277V) ECO Premier Hi-Lume SoftOn/Fade-to-Black, PEQ0, 20W max * Not compatible with C28	1C 1 Circuit 2C 2 Circuit	W White Paint B Black Paint D Wood* PXX Specialty Paint Color* P01-P15 C Custom/RAL Color** *Refer to Wood Trim Guide ** Refer to Finish Guide FINISH GUIDE LINK WOOD TRIM GUIDE LENS ACCESSORY VISUAL GUIDE LINK	Aperture Lens 91A Solite 93A Frosted XXA Other Aperture Lens Treatments* Reflector (lamp) Media 93L Frosted 91L Solite 97L Black Hexcel Louver XXL Other reflector (lamp) media* Selections for accent light only 1 piece of Media per opening (aperture or reflector) can be selected *Refer to Lens Guide	CP Chicago Plenum EM Emergency Pack Controls LR Lutron Wireless RF PowPak ATH Lutron Athena Wireless Node Must be used with E2 driver CA Casambi Wireless BLE to be paired with driver

Ceiling Cutouts and Dimensions

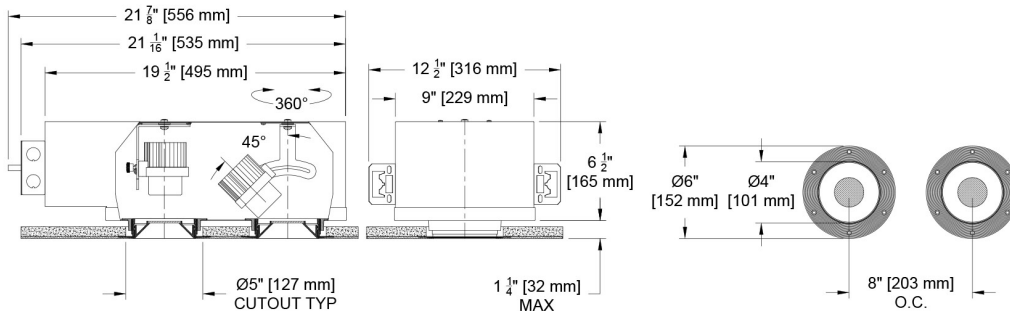
Downlight Deep Regress shown, other apertures similar

Wall Wash trim and light engine can be oriented, in the field, to wash adjacent or opposite walls.

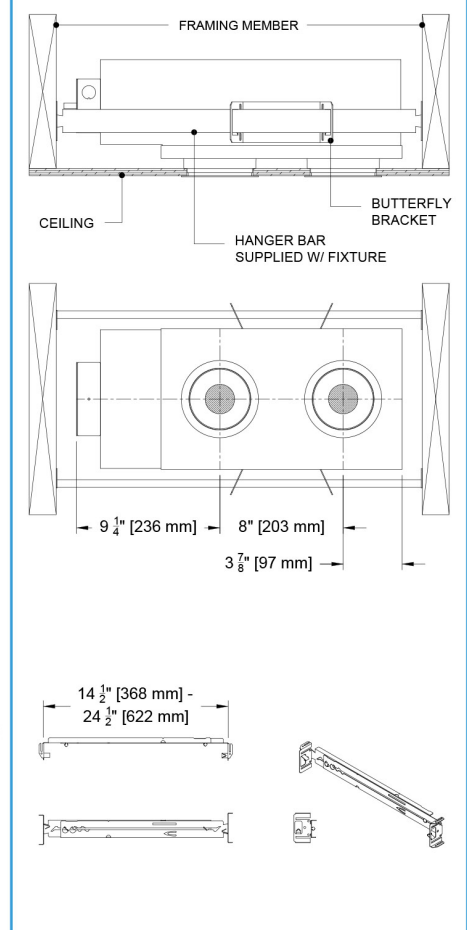
4" Round Flangeless Housing

Plaster Mount (P/AP)

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



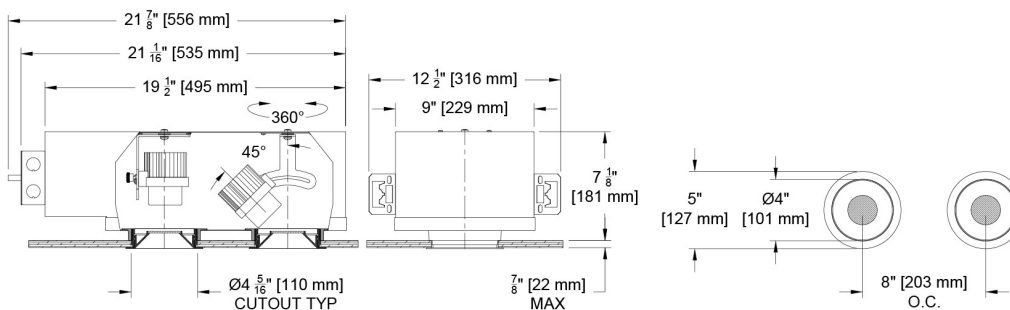
Hanger Bar Detail



4" Round Flangeless Housing

Flanged Mount (U/AU)

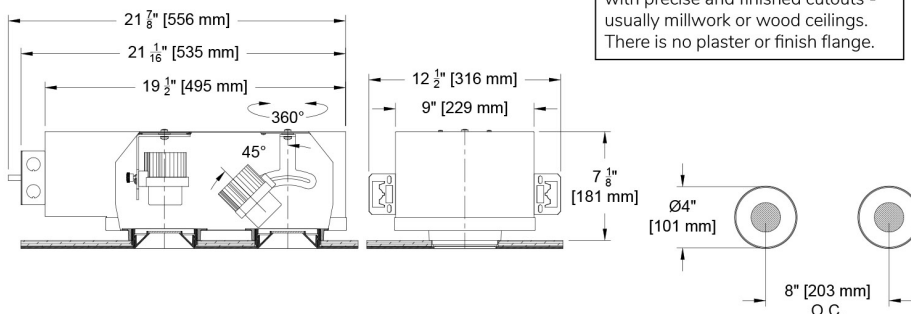
(CR4MD-RMDL-DR-F-U/AU)



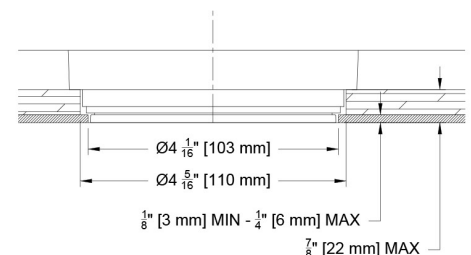
4" Round Panel Mount Housing

Panel Mount (PM/APM)

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



Panel Trim Detail



Core 4" Round Double Adjustable Downlight/Wall Wash

Formerly known as 1250AW-2MDL
Recessed Adjustable Multiple Aperture



Photometric Table

Values are based on single aperture fixtures. Calculations will require placing both downlight and wall wash elements (IES files) 8" on center in the desired orientation and configuration. All Measurements are delivered or derived delivered lumens at 3000k. Ambient dim at full output. 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.																					

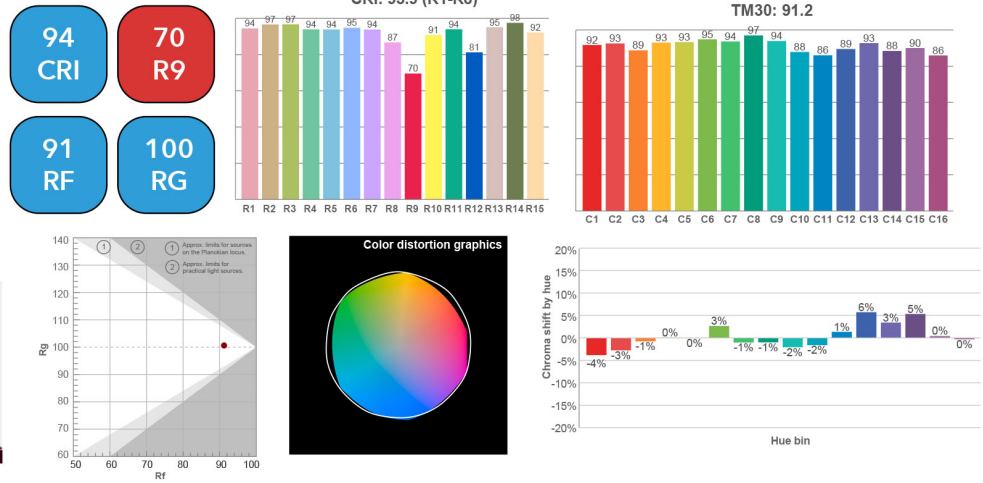
ISO CD Plot based on Open Regress.

Color Data

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

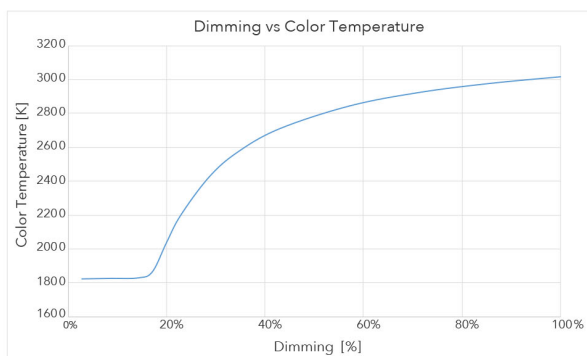
Citizen Sources for C14, 20 and C28

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

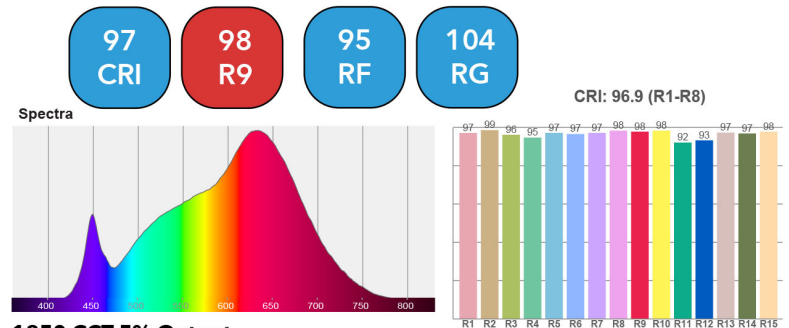


Ambient Dim 3000k to 1900k

- <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

