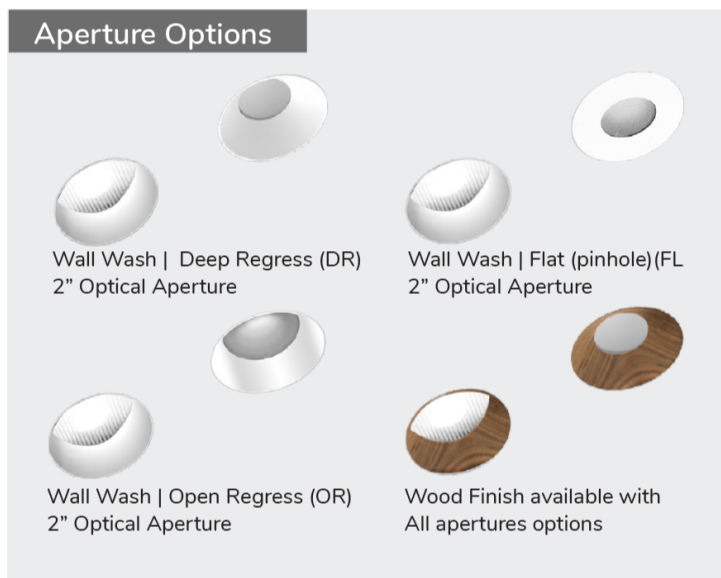
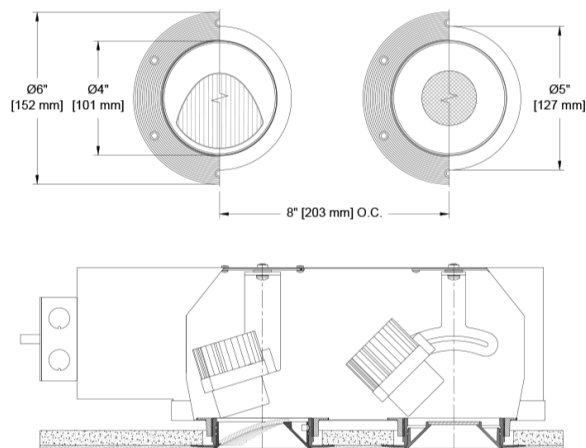
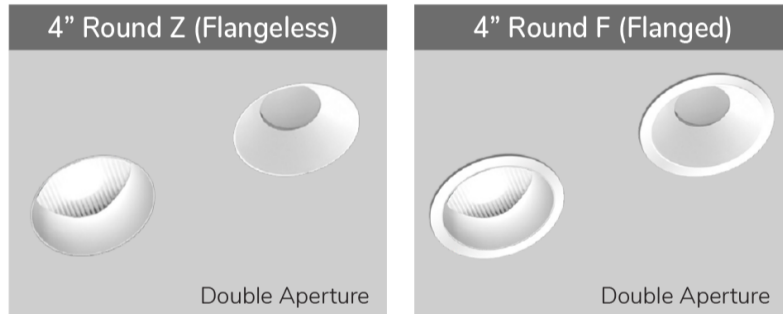


The Core Family

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 opposite 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
- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, RGBW & Tunable White options
- 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
-  cULus 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 available with EldoLED and TruPhase™ selections
- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Universal 120-277v

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4MDW-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	Flanged Trims	Flanged Housings	AWL Accent/Wall Wash Left	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 WW/DL-Open Regress	F Flanged Trim	U Universal - Non IC		C14 15W 1149Lm* 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 WW/DL-Flat (Pin Hole)	FS Flanged Shower Trim*	AU Universal IC/Airtight*	WAL Wall Wash Left/Accent	C20 21W 1531Lm* 90+CRI, 60+R9	30 3000K	40 Flood	E1 0-10 0.1%, UNV (120-277V) log			93A Frosted	Controls
	Note: Select for accent light aperture type	(for mounting choose from Flanged Housings)	Flangeless Housings	Wall Wash can be oriented in the field	C28 30W† 2046Lm* 90+CRI, 60+R9	35 3500K	55 Wide Flood	E2 DALI-2 0.1%, UNV (120-277V) log		D Wood*	XXA Other Aperture Lens Treatments*	LR Lutron Wireless RF PowPak
		Flangeless Trims	P Plaster - Non IC	Thumbnails shown as RCP	Tunable	40 4000K	Note: Select for accent light aperture only	E3 DALI-2 0.1%, UNV (120-277V) log		PXX Specialty Paint Color*	Reflector (lamp) Media	ATH Lutron Athena Wireless Node
		Z Flangeless Trim	AP Plaster IC/Airtight*		T9 90+CRI, 60+R9 Tunable White	TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4		E4 0-10 0.1%, UNV (120-277V) linear		P01-P15	93L Frosted	Must be used with E2 driver
		ZS Flangeless Shower Trim*	PM Panel Mount - Non IC		T15 15W 90+CRI, 60+R9 Tunable White	TW2765 2700-6500K Tunable White w/ E1, E2, E3, E4		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		C Custom/RAL Color**	91L Solite	CA Casambi Wireless BLE to be paired with driver
		(for mounting choose from Flangeless Housings)	APM Panel Mount Airtight/IC*		T20 21W 90+CRI, 60+R9 Tunable White	RG1280 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4		LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1		*Refer to Wood Trim Guide ** Refer to Finish Guide	97L Black Hexcel Louver	
			California Title 24 Compliant		RGBW 90+CRI, 60+R9	Ambient Dim™		TR2 TruPhase™ 0.1%, (100-277V) Up to 20W Forward and Reverse compatible Phase Dimming 2 Dimming Curves: Linear/Logarithmic Static White & Ambient Dim only		FINISH GUIDE LINK	XXL Other reflector (lamp) media*	
			Cannot be used with C28 source		A14 15W 882Lm 95+CRI, 90+R9	Ambient Dim™		* Not compatible with C28		WOOD TRIM GUIDE	Selections for accent light only 1 piece of Media per opening (aperture or reflector) can be selected *Refer to Lens Guide	
					A20 21W 858Lm 95+CRI, 90+R9					LENS ACCESSORY VISUAL GUIDE LINK		
					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.							

Ceiling Cutouts and Dimensions

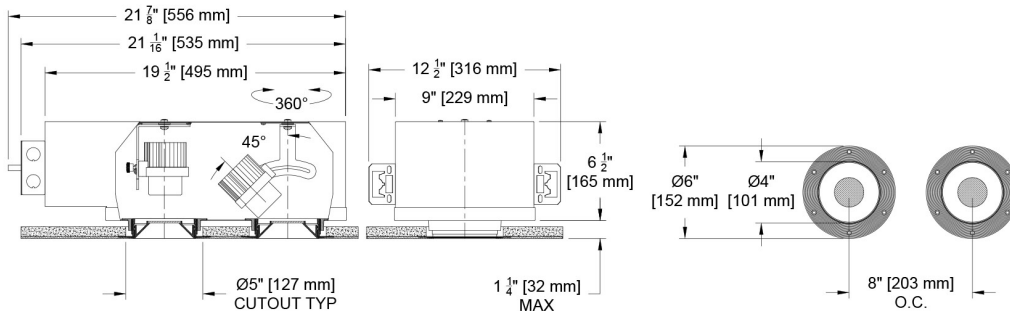
Downlight Deep Regress shown, other apertures similar

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

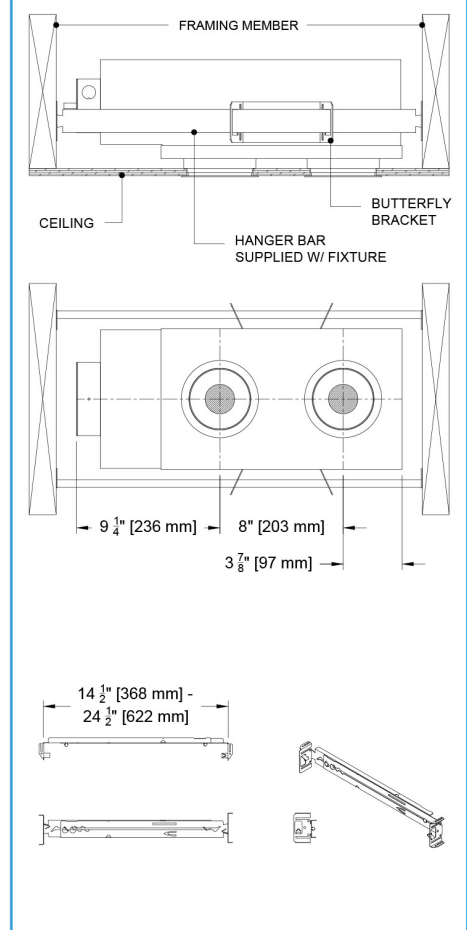
4" Round Flangeless Housing

Plaster Mount (P/AP)

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



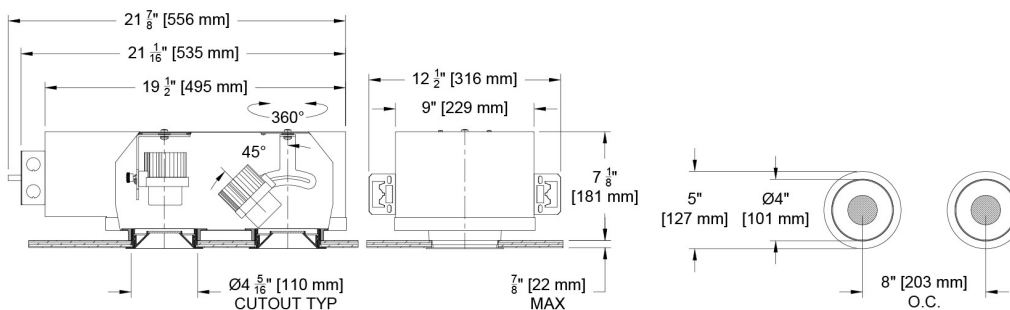
Hanger Bar Detail



4" Round Flangeless Housing

Flanged Mount (U/AU)

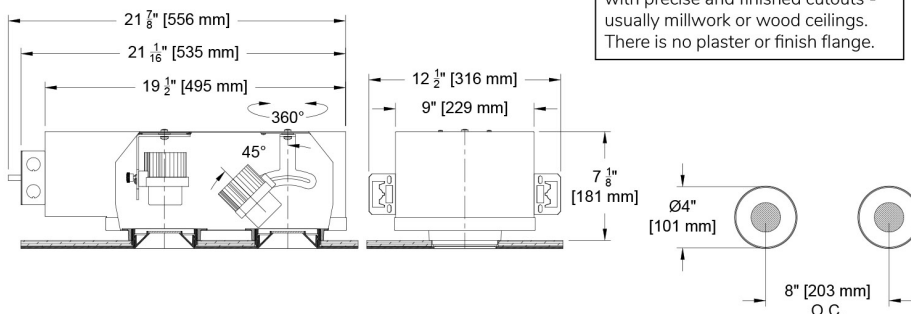
(CR4MD-RMDL-DR-F-U/AU)



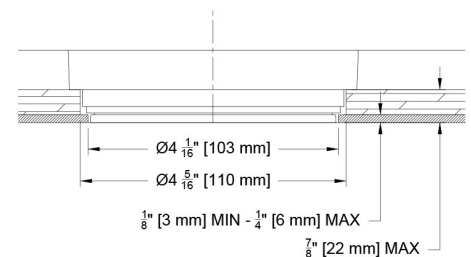
4" Round Panel Mount Housing

Panel Mount (PM/APM)

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

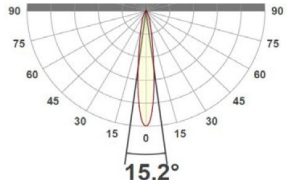
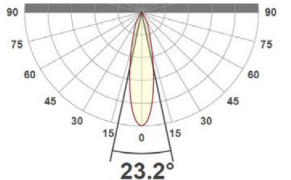
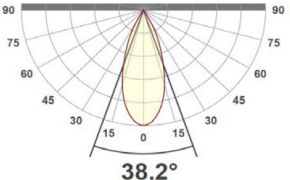
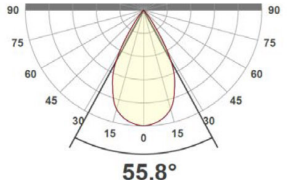


Panel Trim Detail



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.																					

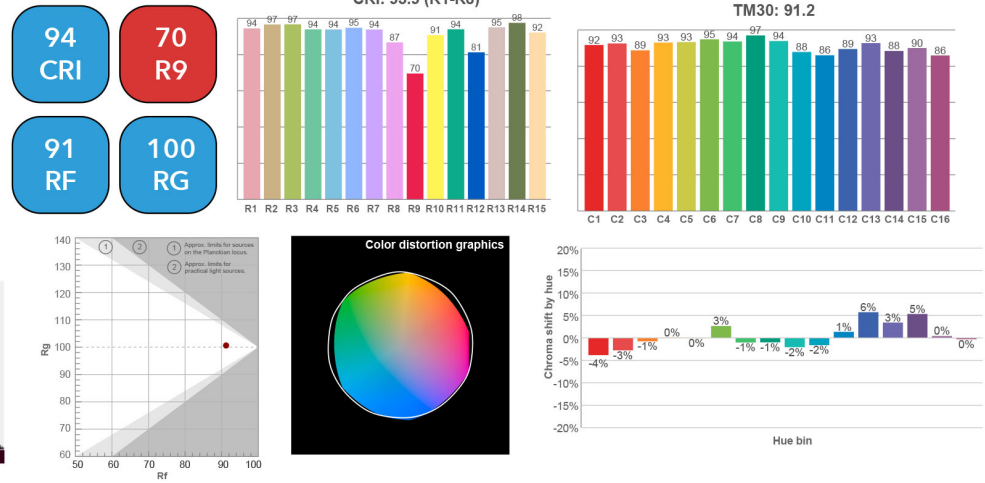
ISO CD Plot based on Open Regress.

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

