Core 4" Rectangular Multiple Adjustable Downlight - 2 & 3 Head

Formerly known as 1009-2, 1009-3, 1017-2, 1017-3

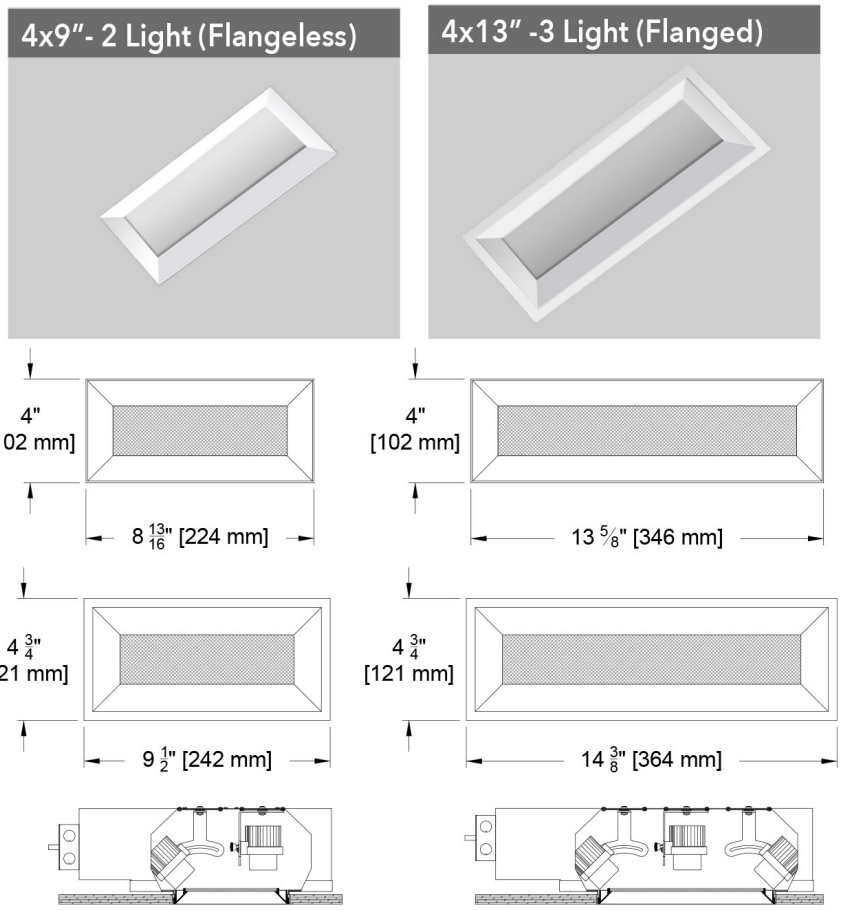
Recessed Adjustable Single Aperture

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 highly modifiable family lineage features multiple heads in a single aperture with a wide selection of options including wood trims and up to 6000 lumens in a 3 head selection.

PROJECT: TYPE:

SPECIFIER: DATE:



Key Points (CR4MD-TMHA)

Trim

- Flange of Flangeless
- Flangeless includes mud-in flange with plaster lip
- 14 color options + custom RAL or wood available
- One-piece die cast aluminum or machined wood trim

Source / Optics

- Lifetime: L87B3>55,000 hours at 40ºC Ambient
- 2700, 3000, 3500, 4000K, Ambient Dim standard. Tunable White and RGBW upon request
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Over 6000 lumens delivered in 3 head open regress fixture with a C28 source selection
- Adjustable to 45º with 358º of rotation
- 4 beamspreads available- 15º, 24º, 40º, and 55º

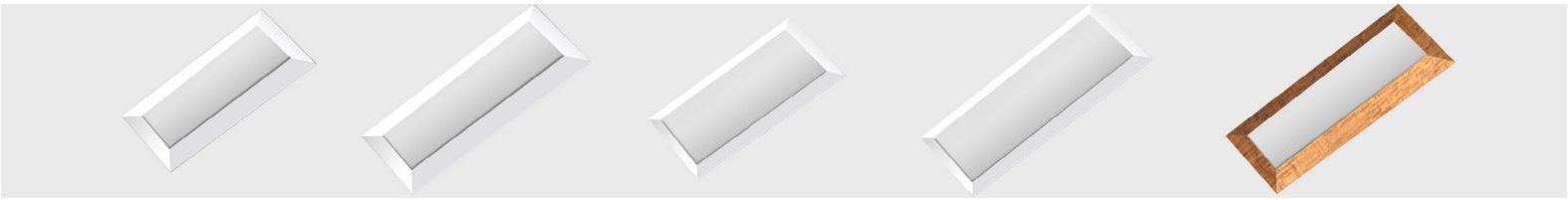
Housing

- TITLE 24 Compliant to JA8 with Airtight Housing
- c SA us 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

- 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

Aperture Options



Deep Regress (DR)
2 Heads
Formerly known as 1009-2

Deep Regress (DR)
3 Heads
Formerly known as 1009-3

Open Regress (OR)
2 Heads
Formerly known as 1017-2

Open Regress (OR)
3 Heads
Formerly known as 1017-3

Wood Finish (DR)
3 Heads shown (2 Heads Available)
Formerly known as 1009-3

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	1068	71	7642	42°	995	66	4174	46°	1037	69	3429	51°	996	66	1402	71°
Citizen C20	21	1424	68	10190	40°	1326	63	5562	39°	1382	66	4570	55°	1328	63	1870	73°
Citizen C28*	30	1848	62	13223	44°	1857	62	7791	47°	1916	64	6336	54°	1816	61	2556	69°
Ambient Dim A14	15	694	46	6220	43°	656	44	3189	44°	656	44	1827	53°	643	43	1028	70°

For Open Regress and all notes please see full photometrics. All data based on single light single aperture fixture (CR4D-SA) Multiply by number of heads for total flux.*C28 source requires active cooling and must be used with NIC (U) housing.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971

Core 4" Rectangular Multiple Adjustable Downlight - 2 & 3 Head

Formerly known as 1009-2, 1009-3, 1017-2, 1017-3

Recessed Adjustable Single Aperture

specialty lighting industries

Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

Ordering Code Example: CR4MD-TMHA-DR3-F-AU-C20-35-24-E2-3C-P14-97L-CP

FIXTURE	APERTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	CIRCUITS	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR4MD-TMHA											
Core 4" Rectangular Multiple Adjustable Downlight - 2 and 3 Head	**Two Head** DR2 2 Head - Deep Regress OR2 2 Head - Open Regress **Three Head** DR3 3 Head - Deep Regress OR3 3 Head - Open Regress Note: Photometrics for single head only	F Flanged Trim Z Flangeless Trim FS Flanged Shower Trim* ZS Flangeless Shower Trim* * Aperture Lens Required	U Universal - Non IC AU Universal IC/Airtight P Plaster - Non IC AP Plaster IC/Airtight PM Panel Mount - Non IC APM Panel Mount Airtight/IC California Title 24 Compliant	**Citizen** C14 15W 1173Lm** 90+CRI, 60+R9 C20 21W 1564Lm** 90+CRI, 60+R9 C28 30W* 2158Lm** 90+CRI, 60+R9 **Ambient Dim** A14 15W 810Lm 95+CRI, 90+R9 3000 to 1900K INK Tunable White 90+CRI, 70+R9 1800-4000K or 2700-6500K^ RGBW 90+CRI, 60+R9 ^ California Title 24 Compliant to JA8 * Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers. ** Based on Open Regress 15° beam, single head ^ Available upon request. Contact your regional sales manager	27 2700K 30 3000K 35 3500K 40 4000K AD 1900-3000K	15 Spot 24 Narrow Flood 40 Flood 55 Wide Flood	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** * Wood "D" selection to be used with Z trim and PM mounting - Refer to Wood Trim Guide ** Refer to Finish Guide FINISH GUIDE LINK WOOD TRIM GUIDE	**Aperture Lens** 91A Solite 92A Supertex (Spreader Lens) 93A Frosted XXA Other Aperture Lens Treatments* **Reflector (lamp) Media** 91L Solite 97L Black Hexcel Louver XXL Other reflector (lamp) media* 1 piece of media per opening (aperture or reflector) can be selected *Refer to Lens Guide LENS ACCESSORY VISUAL GUIDE LINK	EM Emergency Pack CP Chicago Plenum **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

NOTE: Last Updated on Tue, Apr 16, 2024 1:10 PM.
These specifications are subject to change without notice.

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Core 4" Rectangular Multiple Adjustable Downlight - 2 & 3 Head

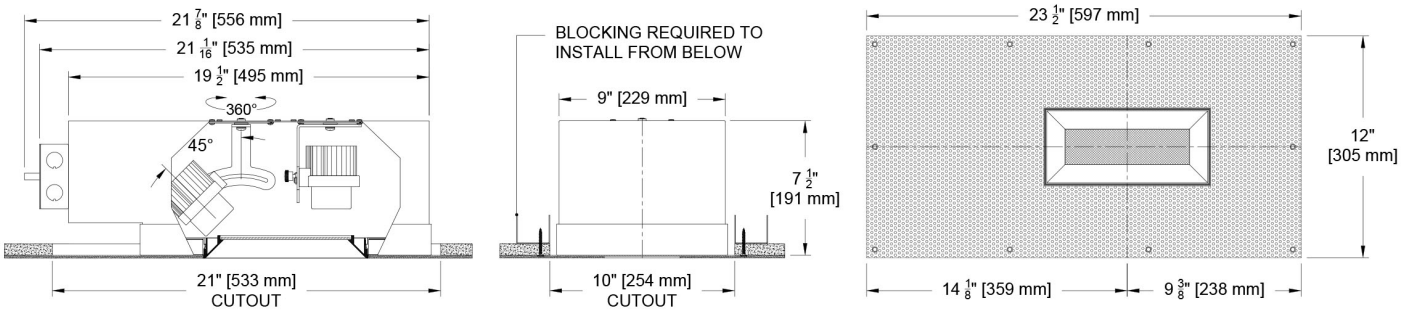
Formerly known as 1009-2, 1009-3, 1017-2, 1017-3

Recessed Adjustable Single Aperture

Ceiling Cutouts and Dimensions

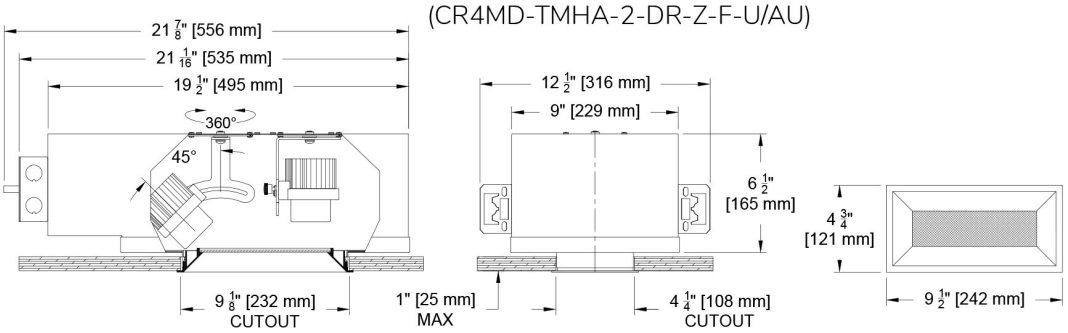
Deep Regress Shown - others similar

2 Head Flangeless Housing — Plaster Mount (P/AP) (CR4MD-TMHA-2-DR-Z-P/AP)

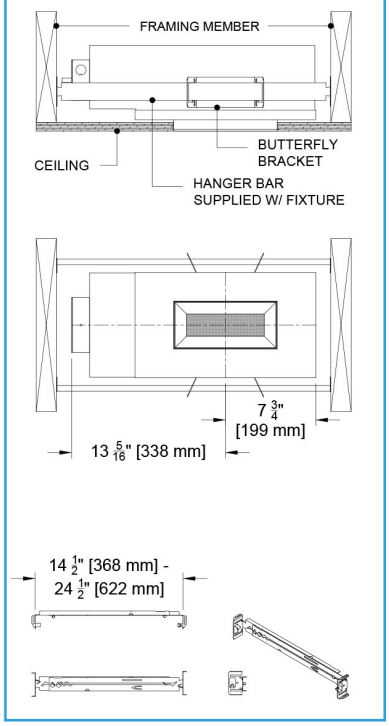


2 Head Flanged Housing — Flanged Mount (U/AU)

(CR4MD-TMHA-2-DR-Z-F-U/AU)



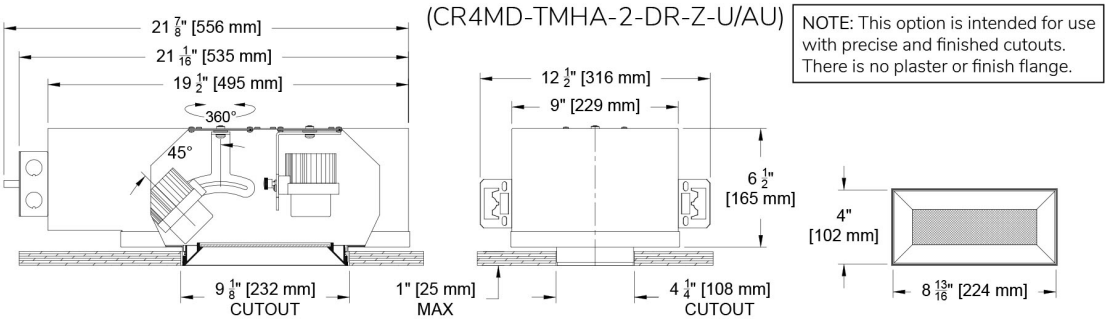
Hanger Bar Detail



2 Head Flangeless Housing — Flangeless Mount (U/AU)

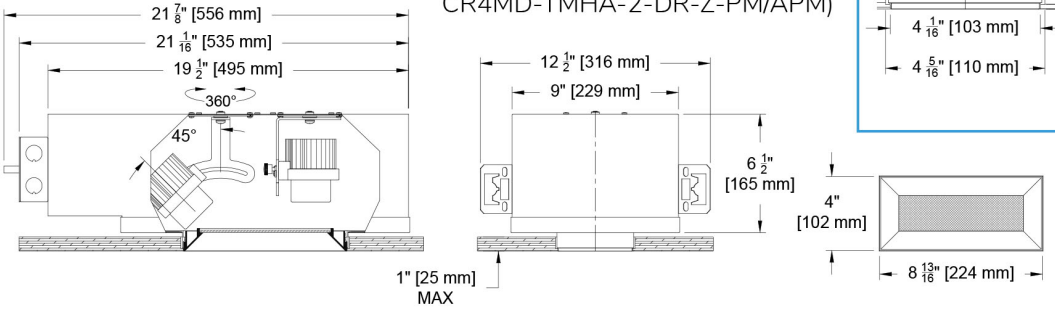
(CR4MD-TMHA-2-DR-Z-U/AU)

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

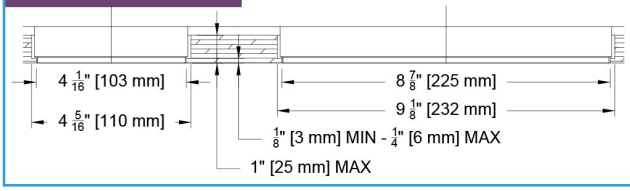


2 Head Flangeless Housing — Panel Mount (PM/APM)

CR4MD-TMHA-2-DR-Z-PM/APM)



Panel Mount Detail



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

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Core 4" Rectangular Multiple Adjustable Downlight - 2 & 3 Head

Formerly known as 1009-2, 1009-3, 1017-2, 1017-3

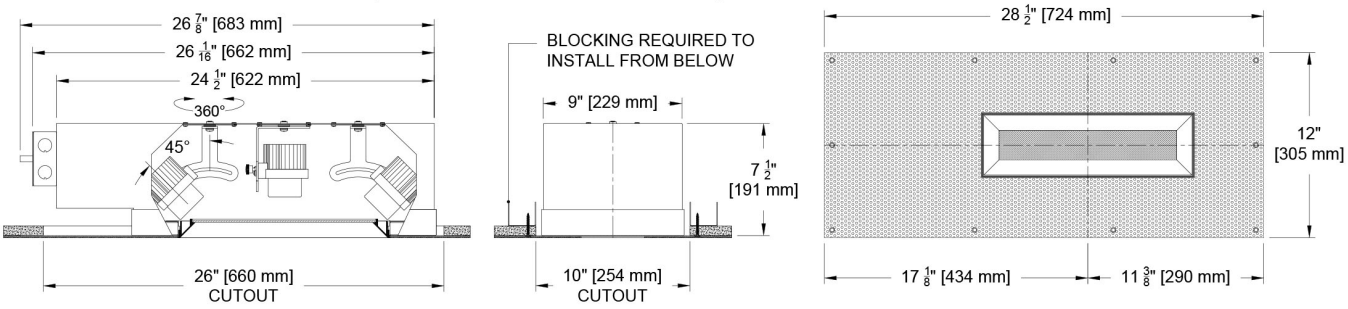
Recessed Adjustable Single Aperture

Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar

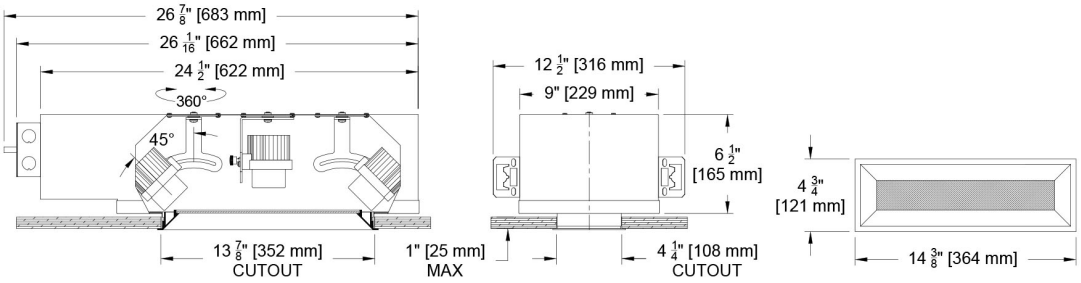
3 Head Flangeless Housing | Plaster Mount (P/AP)

(CR4MD-TMHA-3-DR-Z-P/AP)



3 Head Flanged Housing | Flanged Mount (U/AU)

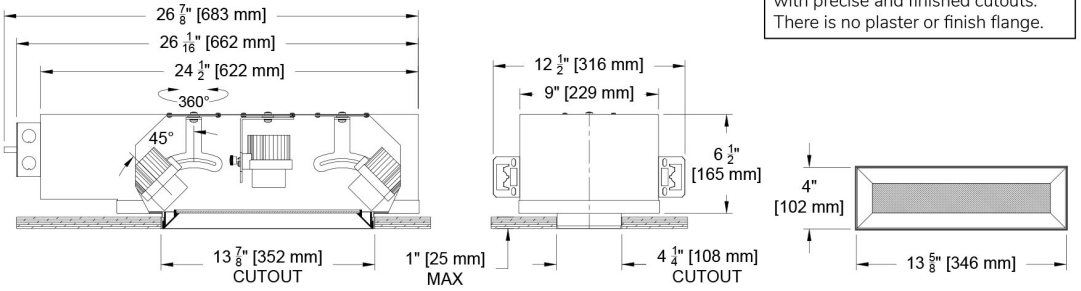
(CR4MD-TMHA-3-DR-F-U/AU)



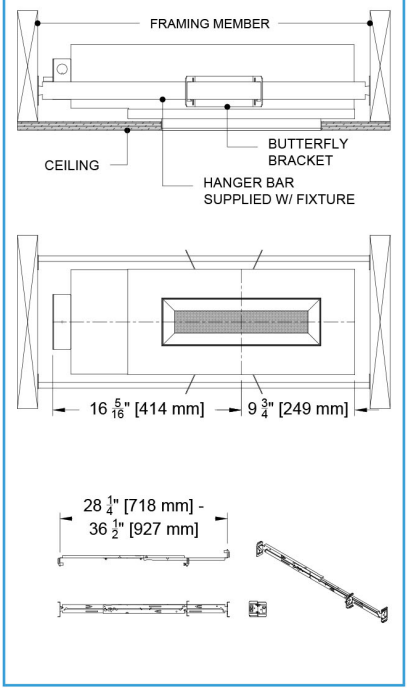
3 Head Flangeless Housing | Flangeless Mount (U/AU)

(CR4MD-TMHA-3-DR-Z-U/AU)

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

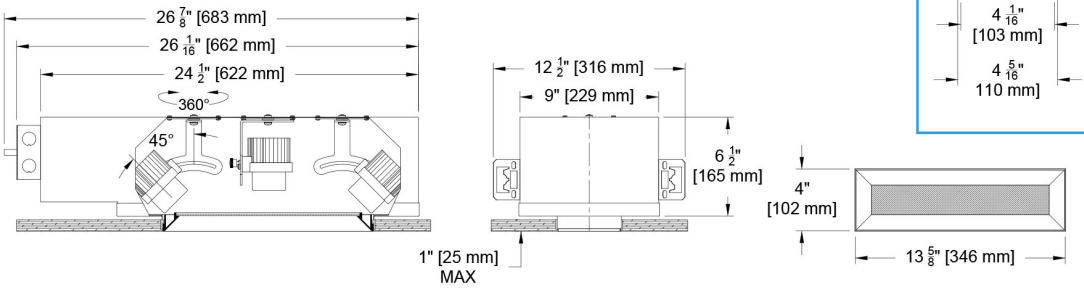


Hanger Bar Detail

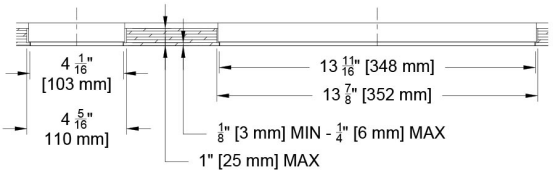


3 Head Flangeless Housing | Panel Mount (PM/APM)

CR4MD-TMHA-3-DR-Z-PM/APM)



Panel Mount Detail



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

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Core 4" Rectangular Multiple Adjustable Downlight - 2 & 3 Head

Formerly known as 1009-2, 1009-3, 1017-2, 1017-3

Recessed Adjustable Single Aperture

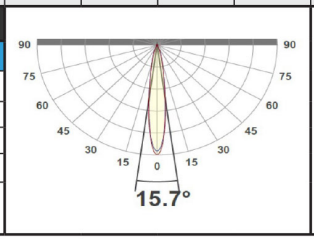
Photometric Table

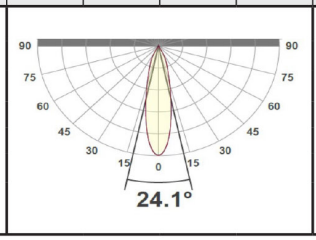
All data is based on goniometer measurements of production representative product for a single head. Multiple heads will deliver additional light and will need to be accounted for individually in calculations. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT.

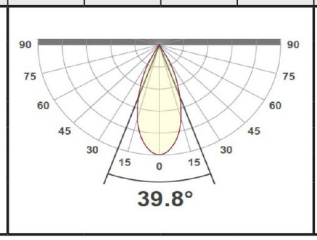
SQUARE Beamspreads			15°				24°				40°				55°			
	Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lms/ Watt	Peak CD	10% Field
Deep Regress	Citizen C14	15	1068	71	7642	42°	995	66	4174	46°	1037	69	3429	51°	996	66	1402	71°
	Citizen C20	21	1424	68	10190	40°	1326	63	5562	39°	1382	66	4570	55°	1328	63	1870	73°
	Citizen C28*	30	1848	62	13223	44°	1857	62	7791	47°	1916	64	6336	54°	1816	61	2556	69°
	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°
	Citizen C20	21	1564	74	10369	41°	1455	69	5559	57°	1482	71	3199	63°	1411	67	1810	76°
	Citizen C28*	30	2158	72	14306	44°	2008	67	7669	55°	2045	68	4455	67°	1947	65	2496	72°
	Ambient Dim A14	15	810	54	5857	39°	779	52	3270	56°	779	52	1829	60°	764	51	1058	72°

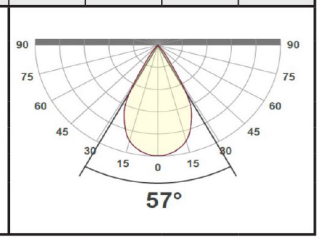
CCT Multiplier	
CCT	Citizen
2700	0.95
3000	1.00
3500	1.02
4000	1.03

All measurements based on 3000 CCT.









All Measurements delivered or derived delivered lumens based on a single head in the CR4D-SA at 3000K. Values are based on a single head aimed at 0° in the Core 4" square down light (CR4D-SA). Multiple heads will deliver additional light and will need to be accounted for individually in calculations. ISO CD plots based on Open Regress . Ambient dim at full output. C28 source requires active cooling and must be used with NIC housing. Flat (Pin Hole) at wider beam angles experience significant beam clipping - refer to PDF report for exact FWHM beam angle.

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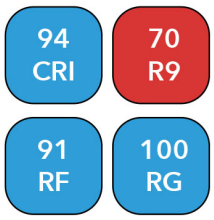
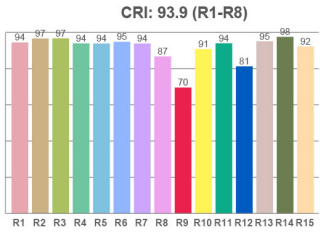
Color Data

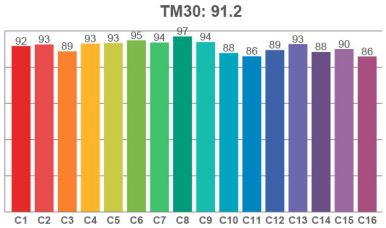
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated nominal flux. Measurements at 3000 CCT

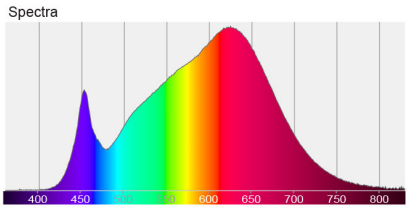
Citizen Sources for C14, 20 and C28

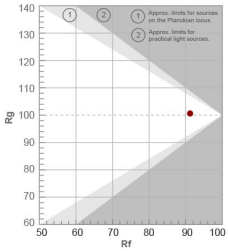
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1

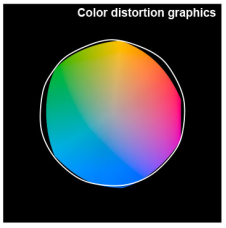


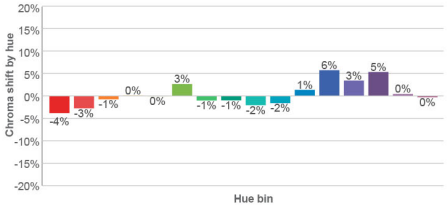






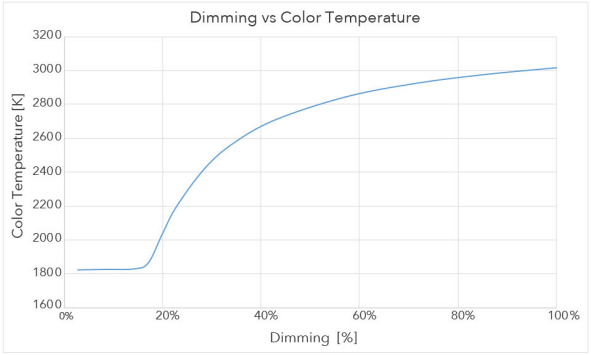




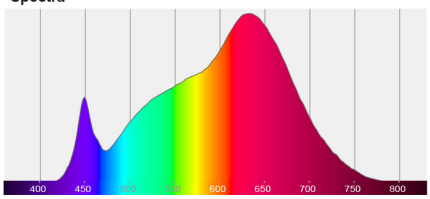


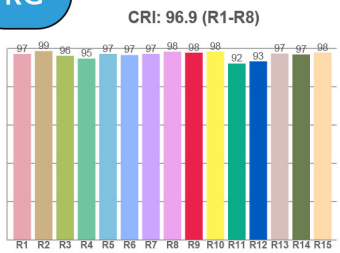
Ambient Dim 3000k to 1900k

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

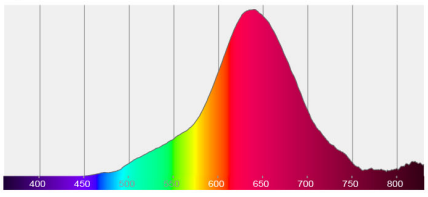


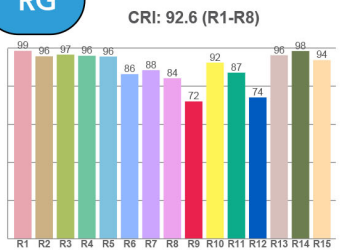
3000 CCT Full Output





1850 CCT 5% Output





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