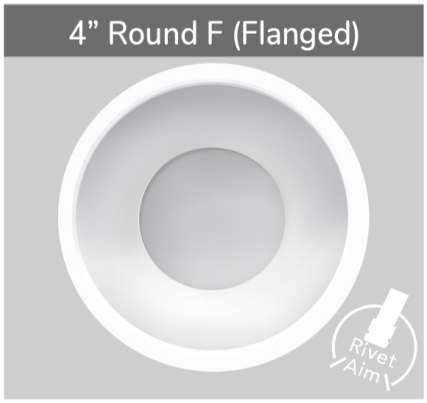
Cor-Vet 4" Round Adjustable Downlight (102mm)

Core trims and mountings with Rivet light engine and adjusting
Adjustable Recessed Accent/Downlight

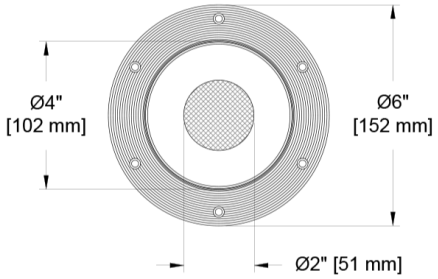
The Core Family meets the Rivet Family

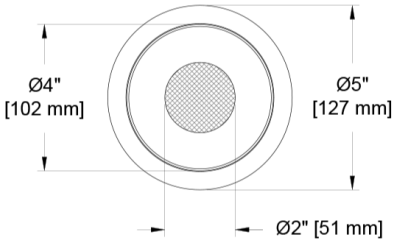
Linking the timeless style and elegance of the Core fixture trims with the precision adjusting of the Rivet light engine, we form the Cor-Vet. The core trims offer 3 aperture options in 14 standard finishes, custom color match, RAL or our renowned custom wood trims. The Rivet light engine brings a precision engineered dual axis cam for 36° tilt hot aiming and a unique magnetic head mounting for easy 360° rotation. With a toolless drop down of the optic assembly for quick media placement, you can easily shape the finely tuned static white and Ambient Dim (warm dim) sources with up to 2 pieces of media. You have found the Round Cor-Vet 4" Adjustable Downlight and hope you enjoy the details.

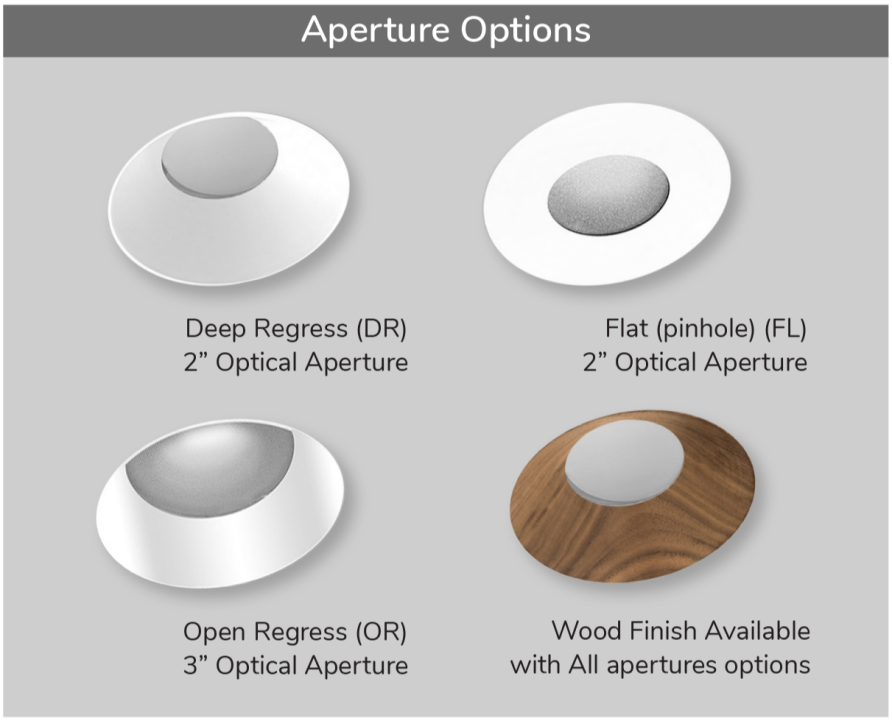




Deep Regress shown







PROJECT: TYPE:

SPECIFIER: DATE:

Key Points (CRV4D-RA)

Trim

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

Source / Optics

- Unique magnetic mounting of luminaire head promotes easy, full 360º rotational aiming, and allows toolless drop down of head for easy access to change optics, lens accessories and driver service.
- Precision engineered dual axis cam for vertical tilt aiming up to 36º allows luminaire to remain centered in aperture reducing beam clipping
- 3 beamspreads available - 20º, 28º and 40º
- Up to 965 delivered lumens
- <2 MacAdam Steps (<2SDCM) for fixed white
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional with Ambient Dim
- 2700, 3000, 3500, 4000K and Ambient Dim (3000k-1900k)
- Lifetime: L87B3>55,000 hours at 40ºC Ambient

Housing

- Adjusts to 45° tilt
- 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
- c SP us Listed – Damp or wet with shower trim
- TITLE 24 Fixture supports CA Title 24 compliance to JA8 requirements with Airtight Housing

Driver And Control

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

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Cor-Vet 4" Round Adjustable Downlight (102mm)

Core trims and mountings with Rivet light engine and adjusting
Adjustable Recessed Accent/Downlight

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Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

Ordering Code Example: CRV4D-RA-DR-Z-AP-C20-35-20-E2-P16-91A-97L-CP-LR

FIXTURE	APERTURE	TRIM	MOUNTING	LUMENS / WATTS	CCT	BEAM	DRIVER / CONTROL	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CRV4D-RA										
Cor-Vet 4" Round Adjustable Downlight with Rivet head	DR CorVet Deep Regress OR CorVet Open Regress FL CorVet Flat	**Flanged Trims** F Flanged Trim FS Flanged Shower Trim* *(for mounting choose from Flanged Housings)* **Flangeless Trims** Z Flangeless Trim ZS Flangeless Shower Trim* *(for mounting choose from Flangeless Housings)* * Aperture Lens Required	**Flanged Housings** U Universal - Non-IC Housing AU Airtight Universal *IC-Rated* **Flangeless Housings** P Plaster - Non-IC Housing AP Airtight Plaster *IC-Rated* PM Panel Mount APM Airtight Panel Mount *IC-Rated* Supports CA Title24 compliance	**Citizen** C7 9W 696Lm* 90+CRI, 60+R9 C11 13W 965Lm* 90+CRI, 60+R9 **Ambient Dim™** A9 10W 547Lm* 95+CRI, 90+R9 3000 to 1900k A11 12W 629Lm* 95+CRI, 90+R9 3000 to 1900k Supports CA Title 24 Compliance to JA8 * Based on Rivet 20° beam All values based on Rivet photometry. Deep Regress and Flat apertures will experience beam clipping. Contact factory if exact photometry is required. View Photometry Table	27 2700K 30 3000K 35 3500K 40 4000K **Ambient Dim™** 3019 3000-1900K	20 Spot 28 Narrow Flood 40 Flood	C1 0-10 1.0%, UNV (120-277V) linear C2 ELV/Triac 1.0%, (120V) linear 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 TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only **EldoLED** 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* **Lutron** LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1	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 93A Frosted XXA Other Aperture Lens Treatments* **Reflector (lamp) Media** 91L Solite 93L Frosted 97L Black Hexcel Louver XXL Other reflector (lamp) media* 1 piece of media for aperture opening and 2 pieces for lamp (reflector) can be selected. *See Lens Accessory Guide LENS ACCESSORY VISUAL GUIDE LINK	CP Chicago Plenum EM Emergency Pack* **Remote Required* EMP Emergency Pack with phase cut control system utilizing C1 driver CA Casambi Wireless BLE to be paired with driver **Controls** LR Lutron Wireless RF PowPak ATH Lutron Athena Wireless Node *Must be used with E2 driver*

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Cor-Vet 4" Round Adjustable Downlight (102mm)

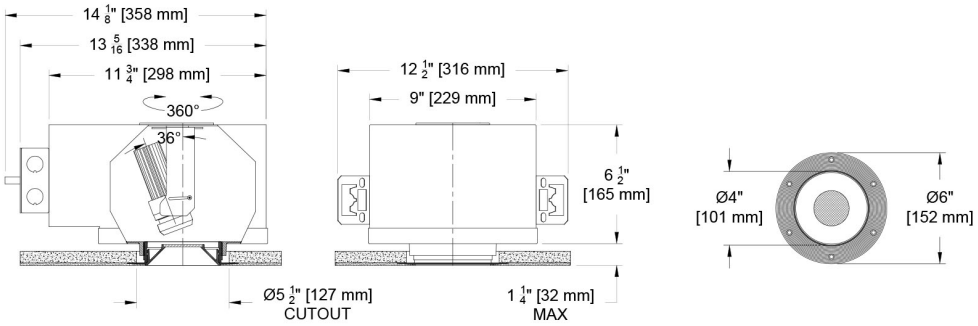
Core trims and mountings with Rivet light engine and adjusting
Adjustable Recessed Accent/Downlight

Ceiling Cutouts and Dimensions

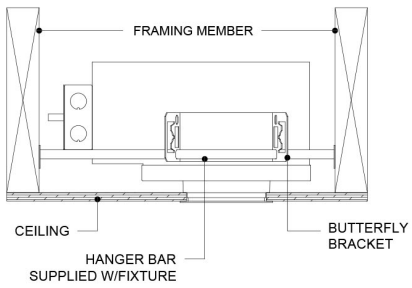
Deep Regress Shown - others similar

Round Flangeless Housing — Plaster Mount (P/AP)

(CRV4D-RA-DR-Z-P/AP)

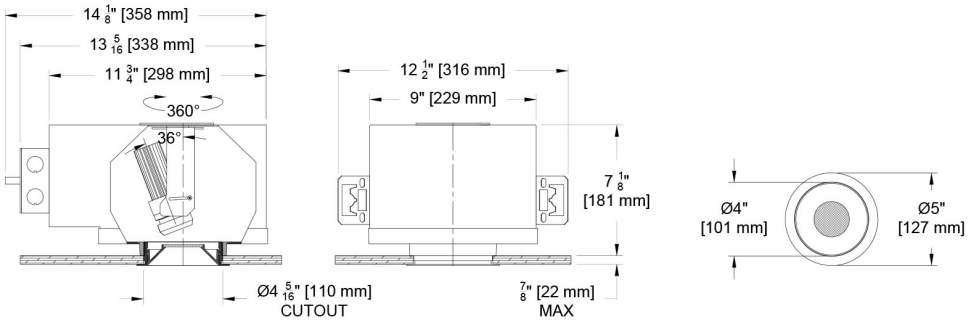


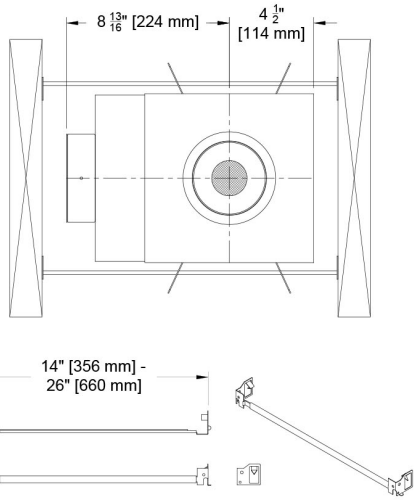
Hanger Bar Detail



Round Flanged Housing — Flanged Mount (U/AU)

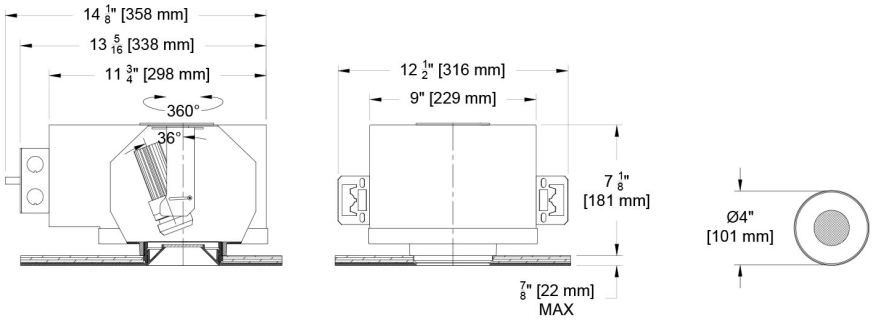
(CRV4D-RA-DR -F-U/AU)



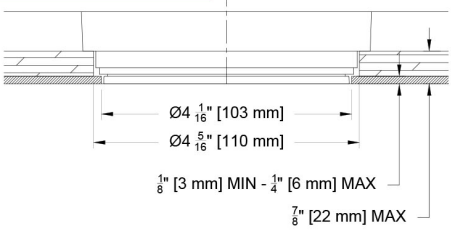


Round Flangeless Housing — Panel Mount (PM/APM)

(CRV4D-RA-DR -P-PM/APM)



Panel Mount Detail



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Cor-Vet 4" Round Adjustable Downlight (102mm)

Core trims and mountings with Rivet light engine and adjusting
Adjustable Recessed Accent/Downlight

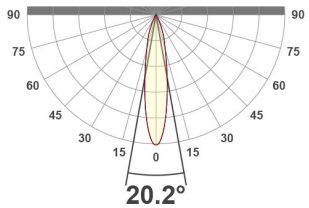
Photometric Table

All data is based from goniometer measurements of production representative Rivet product. The Rivet head is common to both fixtures and will have similar photometrics. The Core Deep Regress and Flat apertures will experience additional beam clipping. Contact factory if photometry of a particular combination is required. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT and Ambient Dim at full output.

ROUND Beamspreads		20°				28°				40°			
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
Citizen C7	9	696	82	3520	48°	632	74	2101	52°	644	76	1143	54°
Citizen C11	13	965	77	4962	48°	875	69	2918	52°	888	70	2046	54°
Ambient Dim A9	10	547	54	2145	50°	484	48	1358	54°	514	51	1166	54°
Ambient Dim A11	12	629	52	2470	50°	565	47	1603	54°	592	49	1341	53°

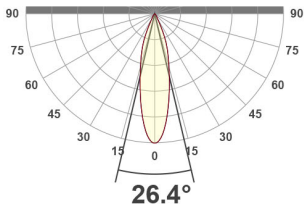
CCT Multiplier	
CCT	Citizen
2700	0.95
3000	1.00
3500	1.02
4000	1.03

Beam angle



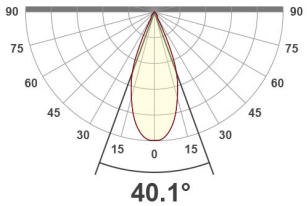
20.2°

Beam angle



26.4°

Beam angle



40.1°

ISO cd Plots based upon C11 Source. Refer to photometry tab on product page for exact ISO cd plot and IES files.

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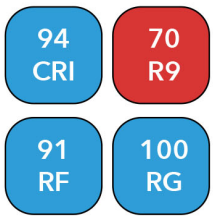
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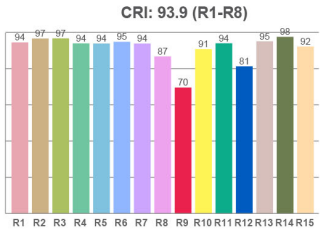
Color Data

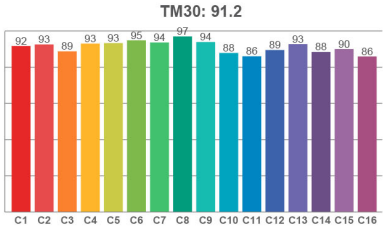
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT

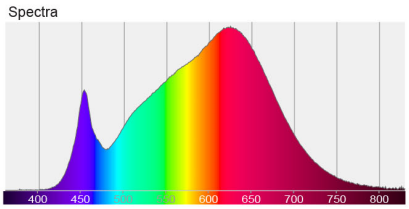
Citizen Sources - C7 and C11

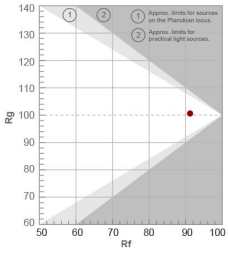
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1

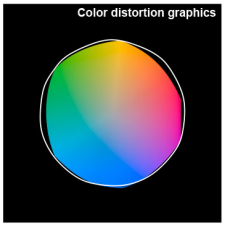


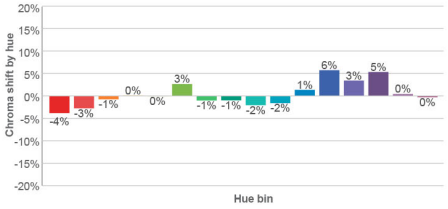






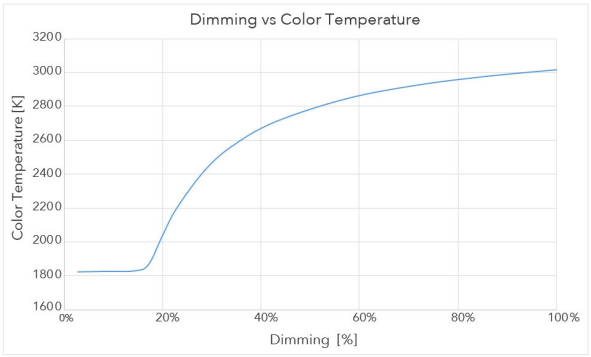






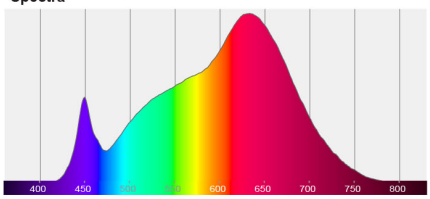
Ambient Dim Source A9, A11 (AD - 3000k to 1900k)

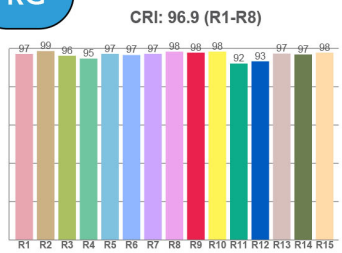
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



3000 CCT Full Output

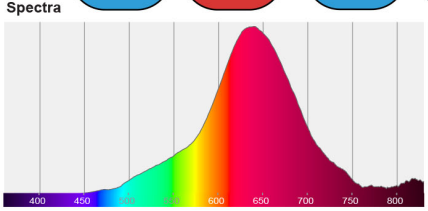


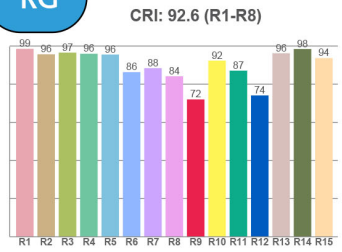




1850 CCT 5% Output







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