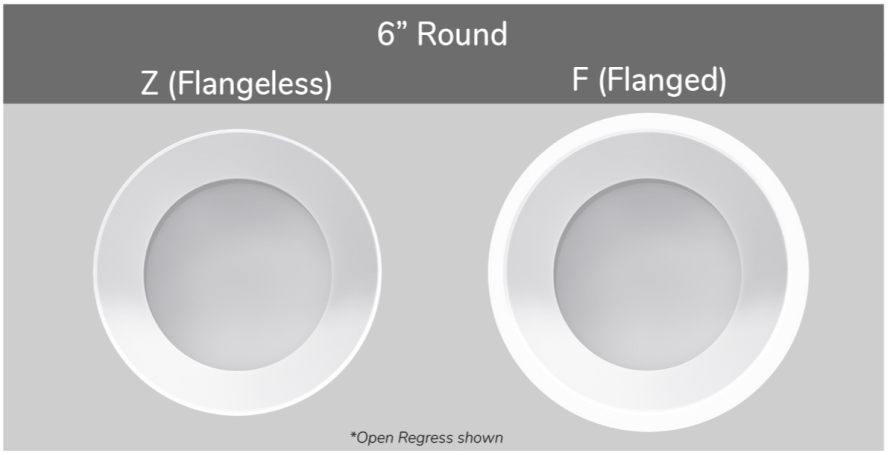
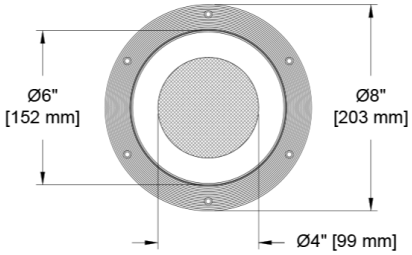
Core 6" Round Adjustable Downlight (152mm)

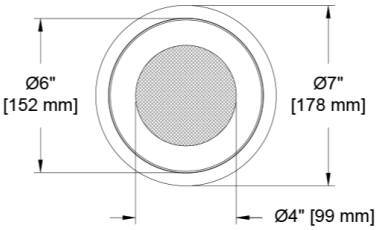
Adjustable Recessed Accent/Downlight

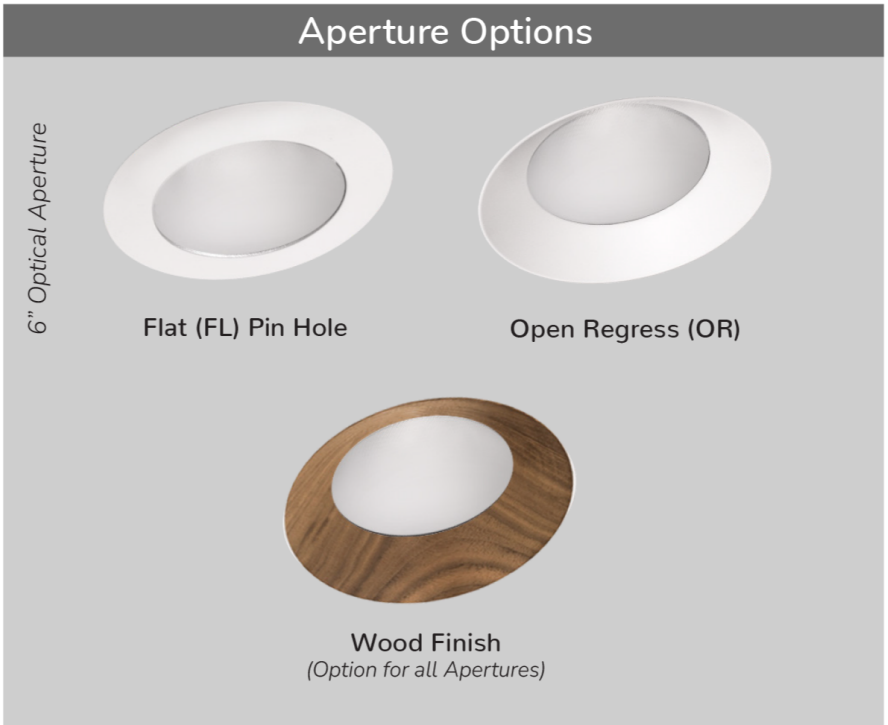
The Core Family

Welcome to the Core 6" adjustable downlight where up to 3300 lumens are packaged in Specialty Lighting elegance. You will find a rich diversity of technical and aesthetic options including 2 trim apertures, over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), multiple beam spreads and a plethora of driver and control choices. The Core downlight is created on a platform allowing a high degree of modification, so if you don't see what you are looking for, just ask. We are here to make your project right.









PROJECT: TYPE:

SPECIFIER: DATE:

Key Points (CR6D-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

- 2400K, 2700K, 3000K, 3500K, 4000K
- AmbientDim™, RGBW & Tunable White options
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 3300 delivered lumens
- Adjustable to 35º with 358º of rotation
- 3 beamspreads available- 20º, 26º and 40º

Housing

- TITLE 24 Fixture supports CA Title 24 compliance meeting JA8 requirements with Air Tight housing
- c SP 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

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

NOTE: Last Updated on Thu, Jul 16, 2026 9:53 AM.
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Tel. 732.517.0800 | Fax 732.517.0971

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Adjustable Recessed Accent/Downlight

specialty lighting industries

Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

Ordering Code Example: CR6D-RA-OR-Z-AP-C23-35-26-E2-P14-91L-CP

FIXTURE	APERTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR6D-RA										

Core 6" Round Adjustable Downlight

OR
Open Regress

FL
Flat (Pin Hole)

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

*Cannot be used with C34 and A34 Source

Citizen

C11
13W
1328Lm**
90+CRI, 60+R9

C16
19W
1870Lm**
90+CRI, 60+R9

C23
27W *
2573Lm**
90+CRI, 60+R9

C34
38W*
3373Lm**
90+CRI, 60+R9

Tunable

T9
10W
90+CRI, 60+R9
Tunable White

T15
15W
90+CRI, 70+R9
Tunable White

T20
21W
90+CRI, 60+R9
Tunable White

RGBW
90+CRI, 60+R9

Ambient Dim™

A14
15W
858Lm
95+CRI, 90+R9

A20
21W
858Lm
95+CRI, 90+R9

A34
38W *#
2381Lm**
90+CRI, 60+R9

Supports CA Title 24 Compliance to JA8.
* Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers.
+ LTT or EldoLED driver selection required and will be supplied with 2 channel version.

24
2400K

27
2700K

30
3000K

35
3500K

40
4000K

Tunable

TW1840
1800-4000K
Tunable White
w/ E1, E2, E3, E4

TW2765
2700-6500K
Tunable White
w/ E1, E2, E3, E4

RGBW
1200-8000K
Dynamic Color Changing

Ambient Dim™

2722 *
2700-2200K
**A14 Only*

3019
3000-1900K

3022 *
3000-2200K
**A14 Only*

20
Spot

26
Narrow Flood

40
Flood

C1
0-10
1.0%, UNV (120-277V)
linear

C2
ELV/Triac
1.0%, (120-277V) 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

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

LD
Digital Ecosystem
1.0%, UNV (120-277V)
ECO Hi-Lume SoftOn/Fade-to-Black LDE1

TR2
TruPhase™
0.1%, (120-120V) log
Up to 20W
Forward and Reverse compatible Phase Dimming
Static White & Ambient Dim only

* Not compatible with C23, C34 and A34

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 per opening (aperture or reflector) can be selected.

*See Lens Accessory Guide

LENS ACCESSORY VISUAL GUIDE LINK

CP
Chicago Plenum

EM
Emergency Pack

Controls

LR
Lutron Wireless RF PowPak

CA
Casambi Wireless BLE to be paired with driver

ATH
Lutron Athena Wireless Node
Must be used with E2 driver

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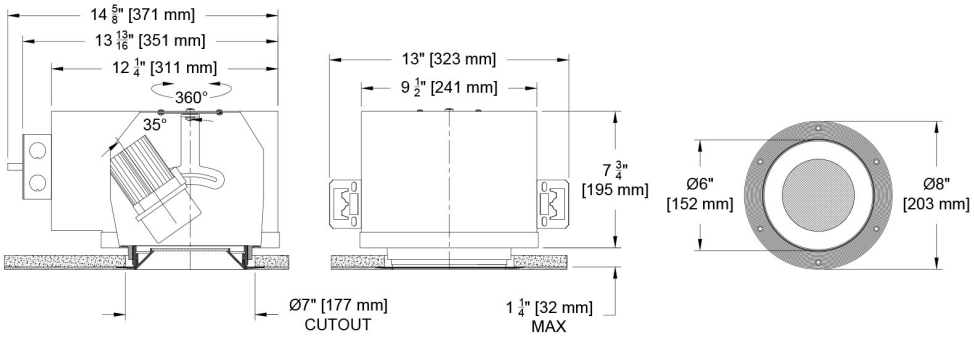
Ceiling Cutouts and Dimensions

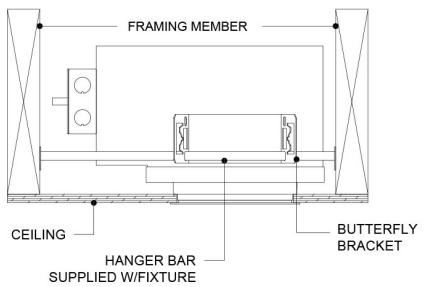
Open Regress Shown - Flat similar

Round Flangeless Housing — Plaster Mount (P/AP)

(CR6D-RA-OR-Z-P/AP)

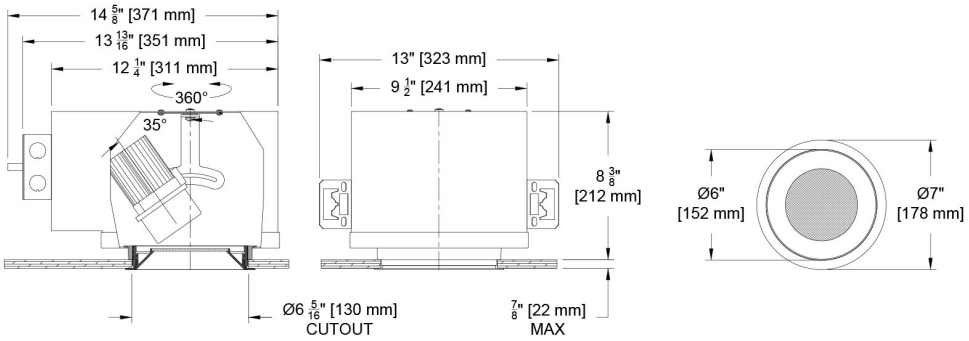


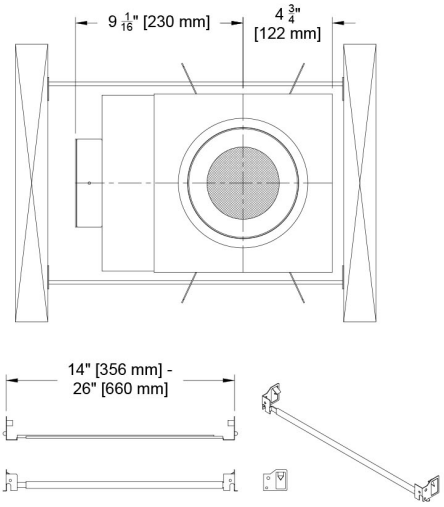
Hanger Bar Detail



Round Flanged Housing — Flanged Mount (U/AU)

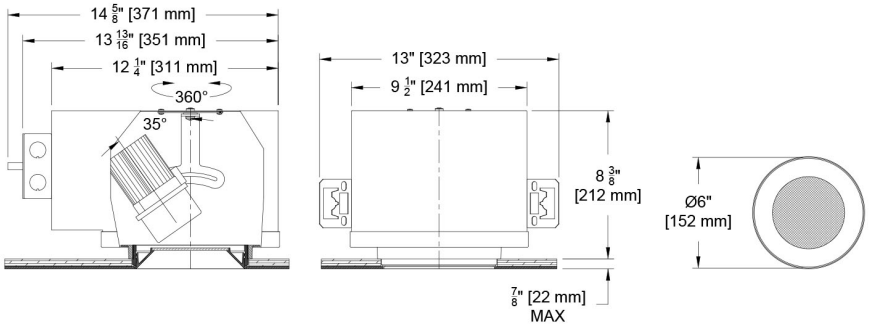
(CR6D-RA-OR -F-U/AU)



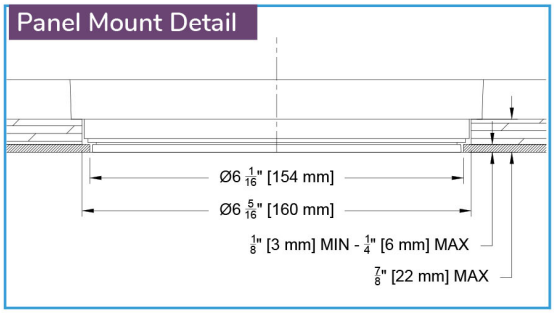


Round Flangeless Housing — Panel Mount (PM/APM)

(CR6D-RA-OR -P-PM/APM)



Panel Mount Detail



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Photometric Table

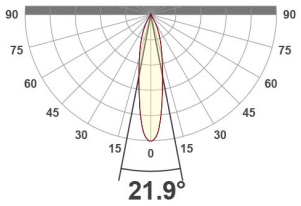
All data is delivered lumens based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT. Ambient Dim measured at full output

ROUND Beamspreads			20°				26°				40°			
	Source	System watts (W)	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 C11	13	1114	84	5346	48°	1135	86	4722	50°	1126	85	2738	59°
	Citizen C16	19	1578	83	7613	48°	1604	84	6728	50°	1594	84	3819	59°
	Citizen C23	27	2168	79	10428	48°	2211	81	9262	50°	2193	80	5379	59°
	Citizen C34*	38	2777	74	13159	48°	2820	75	11830	50°	2809	75	6802	59°
	Ambient Dim A34*	38	1965	52	9074	48°	2009	54	7953	50°	1970	53	4843	58°
Flat (Pin Hole)	Citizen C11	13	1314	100	5341	55°	1328	101	4699	57°	1338	101	2690	68°
	Citizen C16	19	1862	97	7431	55°	1870	98	6618	57°	1902	100	3828	68°
	Citizen C23	27	2569	94	10462	55°	2573	94	9053	57°	2620	96	5295	68°
	Citizen C34*	38	3289	88	12913	56°	3373	90	11143	58°	3313	88	6762	68°
	Ambient Dim A34*	38	2311	61	9262	55°	2366	63	7952	57°	2357	63	4749	68°

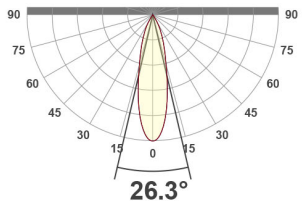
CCT Multiplier	
CCT	Citizen
2700	0.94
3000	1.00
3500	1.02
4000	1.04

All measurements based on 3000 CCT. Ambient Dim based on full output.

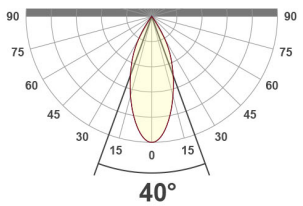
Beam angle



Beam angle



Beam angle



* Requires active cooling. ISO CD plot based on Flat with C23 source

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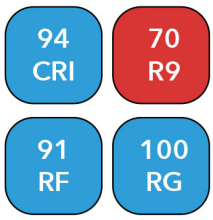
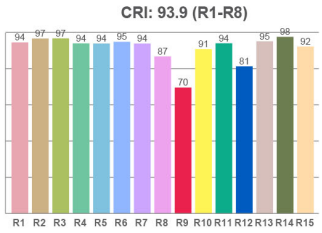
Color Data

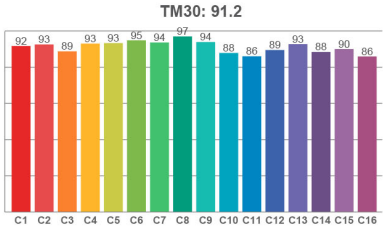
All data is based from goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT

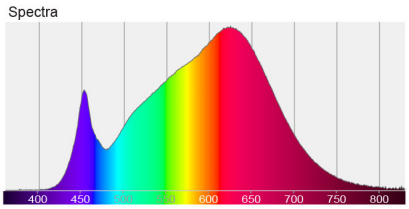
Citizen Sources - C11, C16, C23 and C34

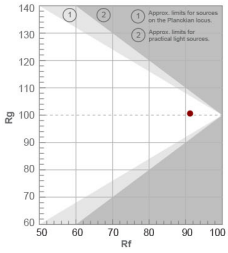
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1

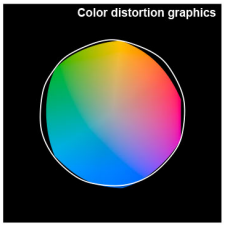


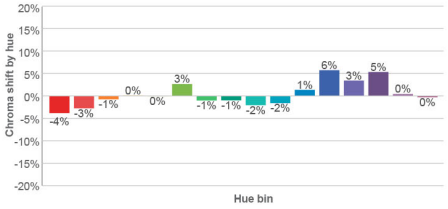






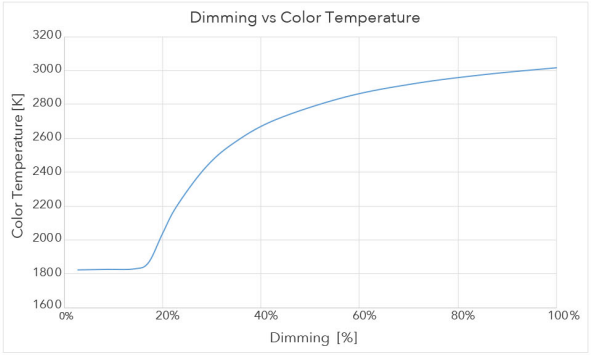




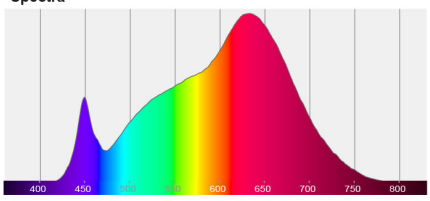


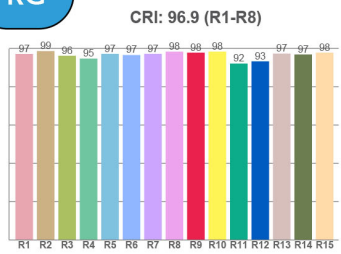
Ambient Dim A34 - 3000k to 1900k

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

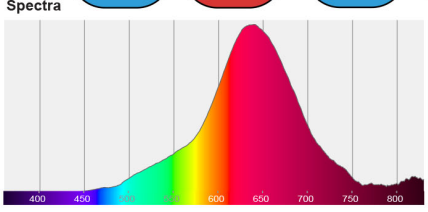


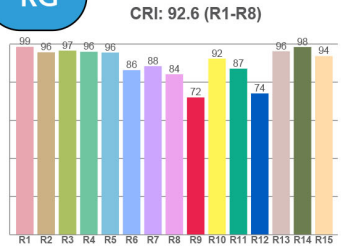
3000 CCT Full Output





1850 CCT 5% Output





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