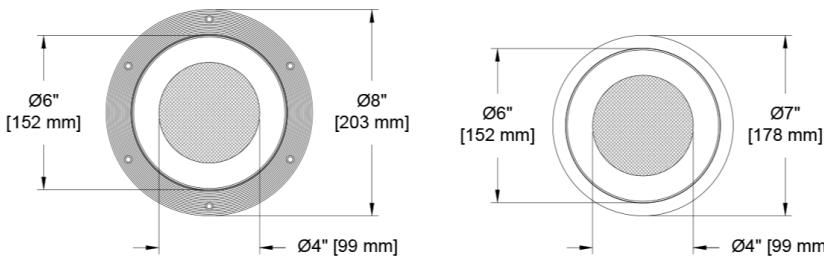


The Core Family

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.



Aperture Options

6" Optical Aperture



Flat (FL) Pin Hole



Open Regress (OR)

Wood Finish
(Option for all Apertures)

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR6D-RA)

Trim

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

Source / Optics

- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, 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 35° with 358° of rotation
- 3 beamspreads available- 20°, 26° and 40°

Housing

- **TITLE 24** Fixture supports CA Title 24 compliance meeting JA8 requirements with Air Tight housing
-  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
- Pre wired and integral to housing
- Universal 120-277v

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 | | | | | | | | | | |

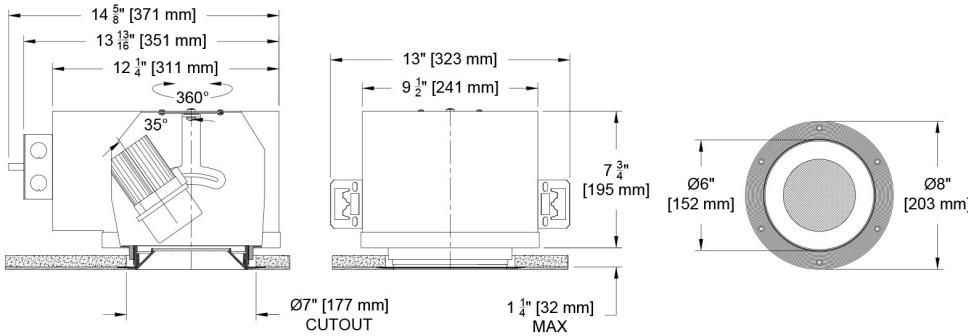
Ceiling Cutouts and Dimensions

Open Recess Show - Flat similar

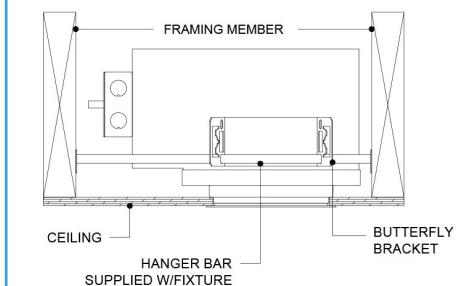
Round Flangeless Housing

Plaster Mount (P/AP)

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



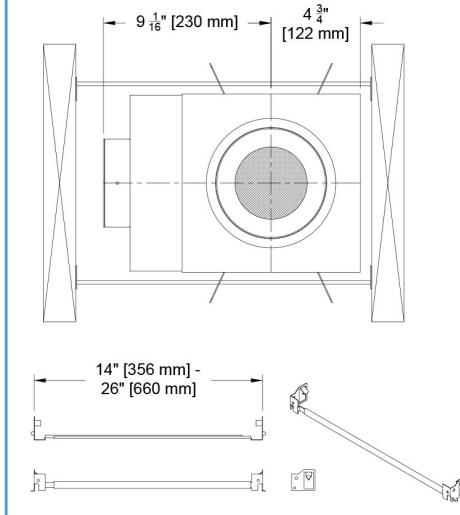
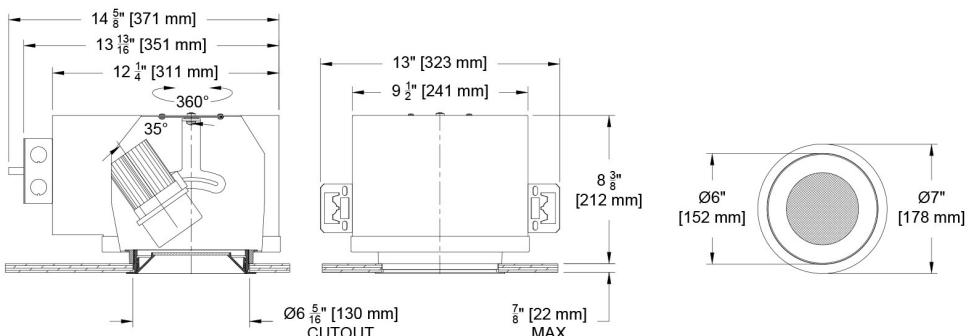
Hanger Bar Detail



Round Flanged Housing

Flanged Mount (U/AU)

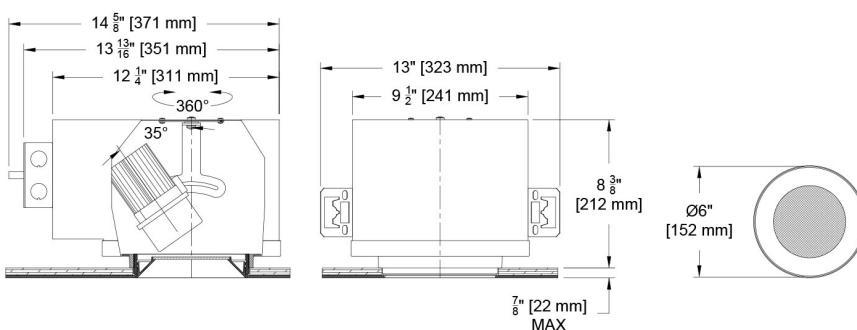
(CR6D-RA-OR -F-U/AU)



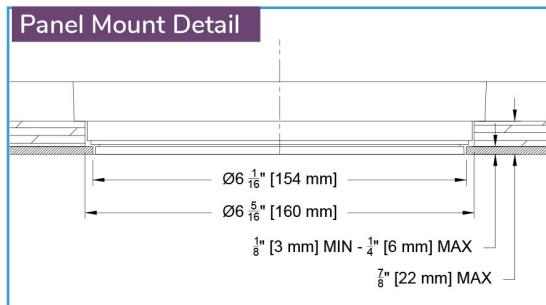
Round Flangeless Housing

Panel Mount (PM/APM)

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



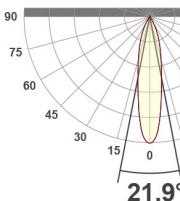
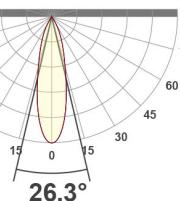
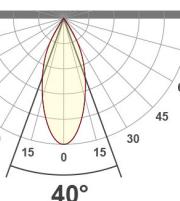
Panel Mount Detail



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

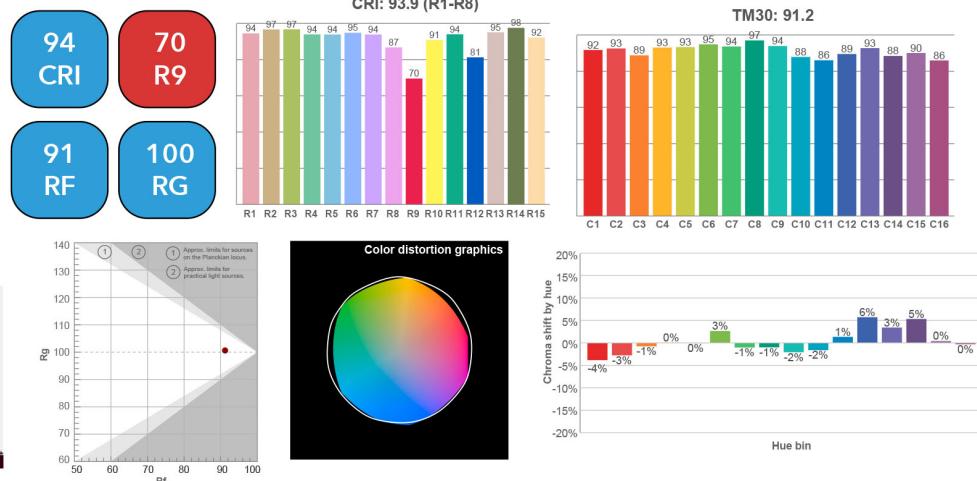
| ROUND Beamspreads | | 20° | | | | | 26° | | | | | 40° | | | | |
|---|---------------------|---|-----------------------------|-----------------|------------|-----------|---|-----------------|------------|-----------|------------------------|---|------------|-----------|--|--|
| Source | | System watts (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 Recess | 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 | | Beam angle | | | | | Beam angle | | | | | Beam angle | | | | |
| CCT | Citizen |  21.9° | | | | |  26.3° | | | | |  40° | | | | |
| 2700 | 0.94 | | | | | | | | | | | | | | | |
| 3000 | 1.00 | | | | | | | | | | | | | | | |
| 3500 | 1.02 | | | | | | | | | | | | | | | |
| 4000 | 1.04 | | | | | | | | | | | | | | | |
| All measurements based on 3000 CCT. Ambient Dim based on full output. | | | | | | | | | | | | | | | | |

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

Color Data

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

