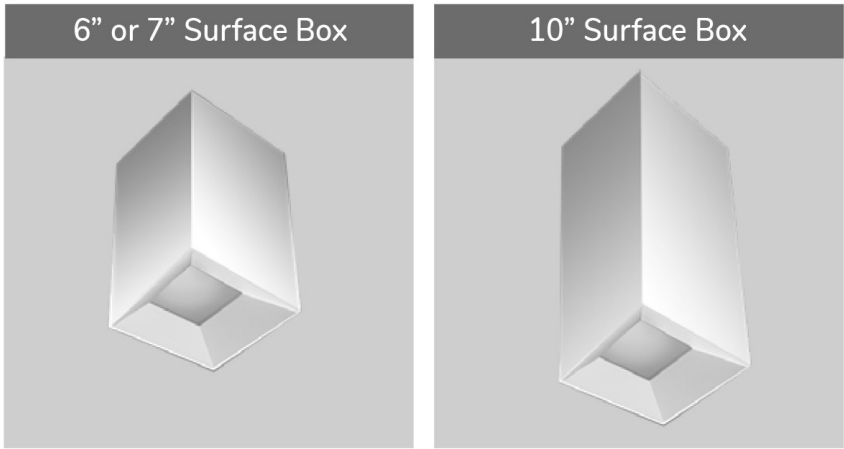
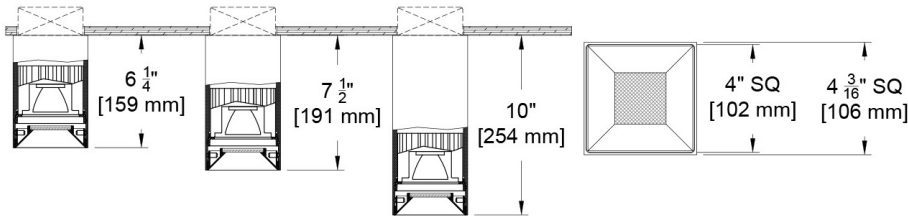


# The Core Family

Welcome to the Core surface/pendant mounted square downlight. Our offering deploys 3 different housing lengths, 3 mounting types, 14 paint finish options, 3 trim aperture types, 4 beam distributions and multiple source, driver and control options including our renowned Ambient Dim. This fixture utilizes the same optical system as the Core recessed downlight and offers many of the same source and driver options to allow mixing of recessed and surface as necessary.



Deep Regress (DR) shown



PROJECT: TYPE:  
SPECIFIER: DATE:

## Key Points (CR4CD-SF)

### Housing

- 3 height selections - 6", 7" and 10"
- 3 mounting options - Surface, Jbox or Stem/Pendant
- JBox mounting allows conduit pass through
- 3 aperture trim styles
- 14 color options + custom RAL available
- Precision die formed, heavy guage aluminum

### Source / Optics

- <2 MacAdam Steps (<2SDCM) for fixed white
- 4 beamspreads available- 15°, 24°, 40°, 55°
- Lifetime: L87B3>55,000 hours at 40°C Ambient
- 2400K, 2700K, 3000K, 3500K, 4000K  
Ambient Dim, RGBW & Tunable White options
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional  
with Ambient Dim
- Up to 1564 delivered lumens

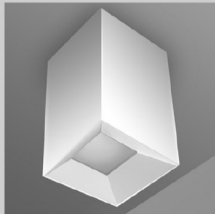
### Driver

- 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 in some configurations
- Universal 120-277v

### Labels

-  Compliant to JA8
-  Listed – Damp location

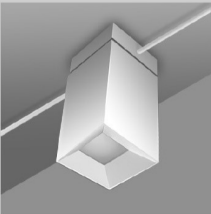
## Mounting Options



6" | 7" | 10" DR  
Surface Mount

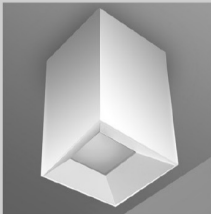


6" | 7" | 10" DR  
Pendant Mount



6" | 7" | 10" DR  
Junction Box  
w/Pass Through

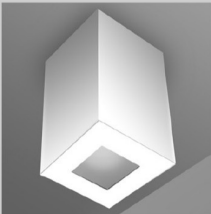
## Aperture Options



6" | 7" | 10" DR  
2" Optical Aperture



6" | 7" | 10" OR  
3" Optical Aperture



6" | 7" | 10" Pin Hole  
2" Optical Aperture

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4CD-SF-DR-JB-B-10-C14-30-40-C1-P14-91A

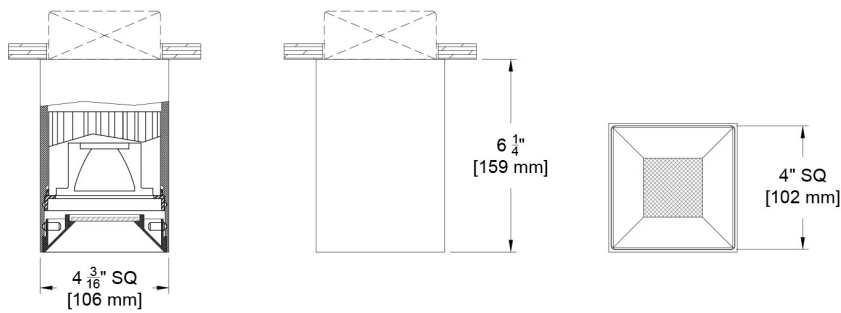
| FIXTURE                           | APERTURE           | MOUNTING                                                                                          | LENGTH                                  | HEIGHT                                                                     | SOURCE / WATTS                                                                                  | CCT                                               | BEAM            | DRIVER / CONTROL                                                                                                                                        | HOUSING FINISH                                                | LENS ACCESSORIES                                                                                    | ACCESSORIES                                      |
|-----------------------------------|--------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------|
| CR4CD-SF                          |                    |                                                                                                   |                                         |                                                                            |                                                                                                 |                                                   |                 |                                                                                                                                                         |                                                               |                                                                                                     |                                                  |
| Core 4" Square Cylinder Downlight | DR Deep Regress    | SM Surface Mount*                                                                                 | B Blank - use for surface or jbox mount | 6 6" Height*                                                               | Citizen                                                                                         | 24 2400K                                          | 15 Spot         | C1 0-10 1.0%, UNV (120-277V) linear                                                                                                                     | W White Paint                                                 | Aperture Lens                                                                                       | EM Emergency Pack                                |
|                                   | OR Open Regress    | SMR Surface Mount* (Remote Driver)                                                                | -                                       | 7 7.5" housing height^                                                     | C14 15W 1173Lm** 90+CRI, 60+R9                                                                  | 27 2700K                                          | 24 Narrow Flood | C2 ELV/Triac 1.0%, (120V) linear                                                                                                                        | B Black Paint                                                 | 91A Solite                                                                                          | Controls                                         |
|                                   | FL Flat (Pin Hole) | JB J Box mount^                                                                                   | Stem Length - Specify in inches or mm   | 10 10" height^                                                             | C20 15W 1564Lm** 90+CRI, 60+R9                                                                  | 30 3000K                                          | 40 Flood        | E1 0-10 0.1%, UNV (120-277V) log                                                                                                                        | PXX Specialty Paint Color* P01-P15                            | 92A Supertex (Spreader Lens)                                                                        | LR Lutron Wireless RF PowPak                     |
|                                   |                    | JBR J Box mount^ (Remote Driver)                                                                  |                                         | *Remote driver required ^Integral driver for C1, C2 and LP - others remote | Tunable                                                                                         | 35 3500K                                          | 55 Wide Flood   | E2 DALI-2 0.1%, UNV (120-277V) log                                                                                                                      | C Custom/RAL*                                                 | 93A Frosted                                                                                         | ATH Lutron Athena Wireless Node                  |
|                                   |                    | STM Stem Mount                                                                                    |                                         |                                                                            | T9 90+CRI, 60+R9 Tunable White                                                                  | 40 4000K                                          |                 | E3 0-10 0.1%, UNV (120-277V) linear                                                                                                                     | Note: Trim will have same finish as housing *See Finish Guide | XXA Other Aperture Lens Treatments*                                                                 | CA Casambi Wireless BLE to be paired with driver |
|                                   |                    | *Recessed Jbox supplied by others ^Surface Jbox cover crafted, finished and supplied by Specialty |                                         |                                                                            | T14 90+CRI, 60+R9 Tunable White                                                                 | Tunable                                           |                 | 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 | FINISH GUIDE LINK                                             | 91L Solite                                                                                          |                                                  |
|                                   |                    |                                                                                                   |                                         |                                                                            | T20 21W 1490Lm^ 90+CRI, 60+R9 Tunable White                                                     | TW1840 1800-4000K Tunable White w/ E1, E2, E3, E4 |                 |                                                                                                                                                         |                                                               | 92L Supertex (spreader lens)                                                                        |                                                  |
|                                   |                    |                                                                                                   |                                         |                                                                            | RGBW 90+CRI, 60+R9                                                                              | TW2765 2700-6500K Tunable White w/ E1, E2, E3, E4 |                 |                                                                                                                                                         |                                                               | 97L Black Hexcel Louver                                                                             |                                                  |
|                                   |                    |                                                                                                   |                                         |                                                                            | Ambient Dim™                                                                                    | RGBW 1200-8000K Dynamic Color Changing            |                 |                                                                                                                                                         |                                                               | XXL Other reflector (lamp) media*                                                                   |                                                  |
|                                   |                    |                                                                                                   |                                         |                                                                            | A14 15W** 810Lm 95+CRI, 90+R9                                                                   | Ambient Dim™ 2722 * 2700-2200K *A14 Only          |                 |                                                                                                                                                         |                                                               | 1 piece of media per opening (aperture or reflector) can be selected *Refer to Lens Accessory Guide |                                                  |
|                                   |                    |                                                                                                   |                                         |                                                                            | A20 21W 858Lm 95+CRI, 90+R9                                                                     | 3019 3000-1900K                                   |                 | Lutron                                                                                                                                                  |                                                               |                                                                                                     |                                                  |
|                                   |                    |                                                                                                   |                                         |                                                                            | California Title 24 Compliant to JA8                                                            | 3022* 3000-2200K *A14 Only                        |                 | LD Digital Ecosystem* 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1                                                                        |                                                               | LENS ACCESSORY VISUAL GUIDE LINK                                                                    |                                                  |
|                                   |                    |                                                                                                   |                                         |                                                                            | ** Based on Open Regress 15° beam ^ Available upon request. Contact your regional sales manager |                                                   |                 |                                                                                                                                                         |                                                               |                                                                                                     |                                                  |

# Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar

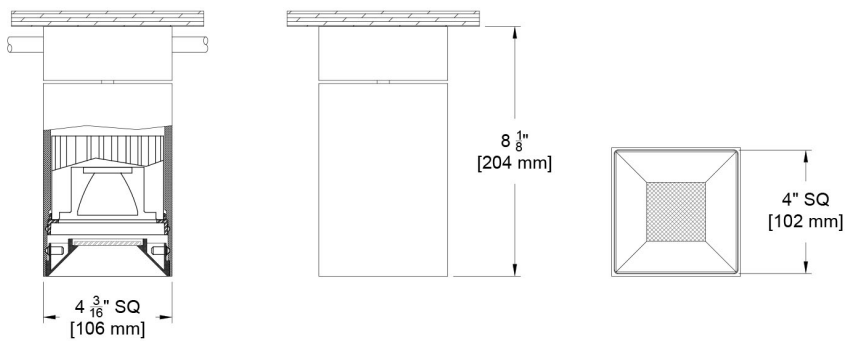
## 6" Fixed Box Downlight Surface Mount (SM)

(CR4CD-SF-DR-SM-B-6)



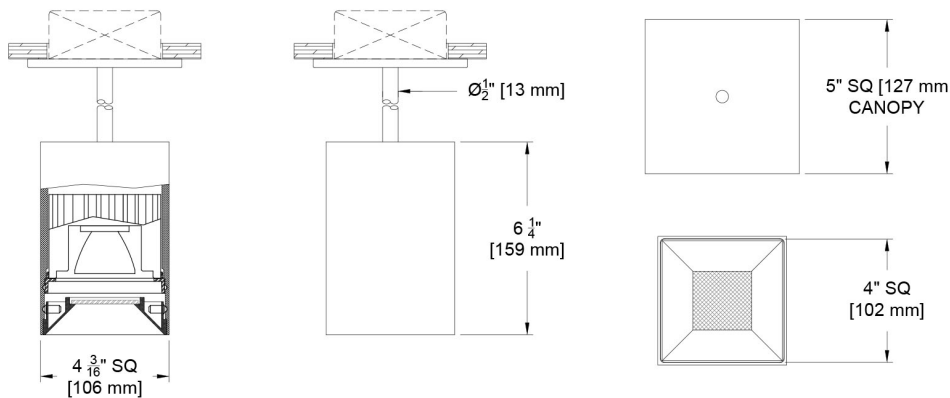
## 6" Fixed Box Downlight Junction Box (JB)

(CR4CD-SF-DR-JB-B-6)



## 6" Fixed Box Downlight Stem / Pendant Mount (STM)

(CR4CD-SF-DR-STM-XX"-6)



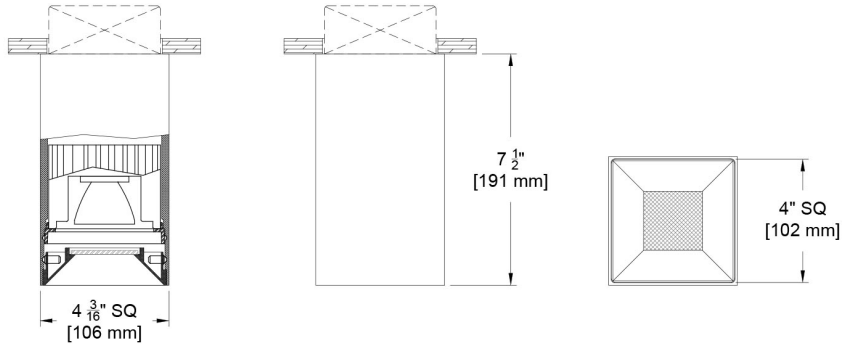
## Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar

### 7" Fixed Box Downlight

#### Surface Mount (SM)

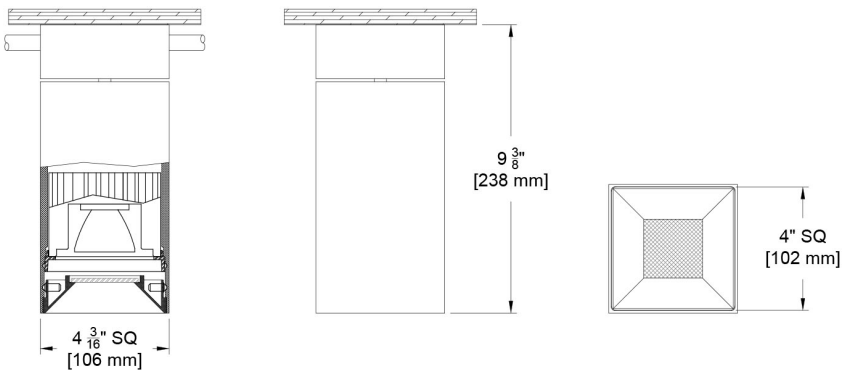
(CR4CD-SF-DR-SM-B-7)



### 7" Fixed Box Downlight

#### Junction Box (JB)

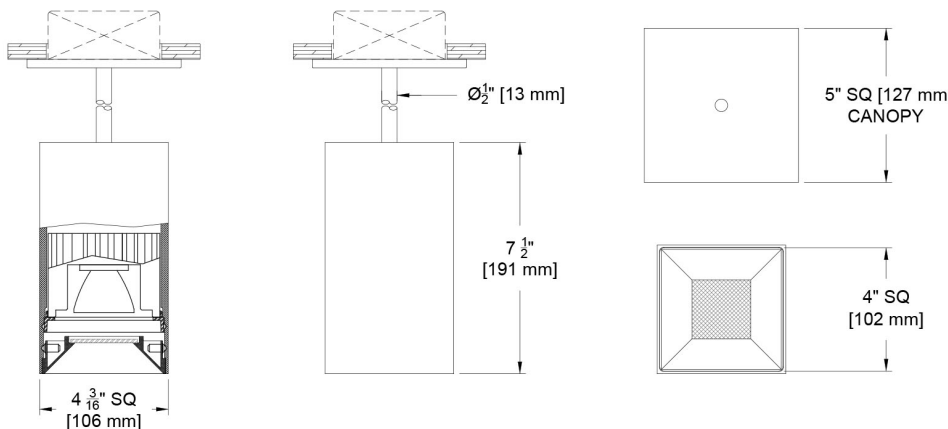
(CR4CD-SF-DR-JB-B-7)



### 7" Fixed Box Downlight

#### Stem / Pendant Mount (STM)

(CR4CD-SF-DR-PM-STM-7)



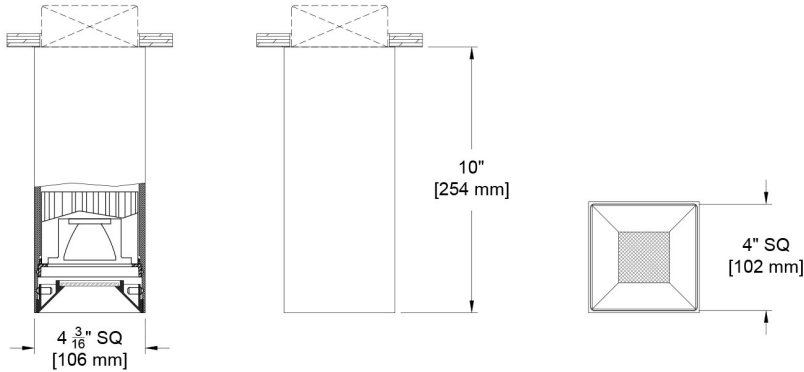
## Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar

### 10" Fixed Box Downlight

#### Surface Mount (SM)

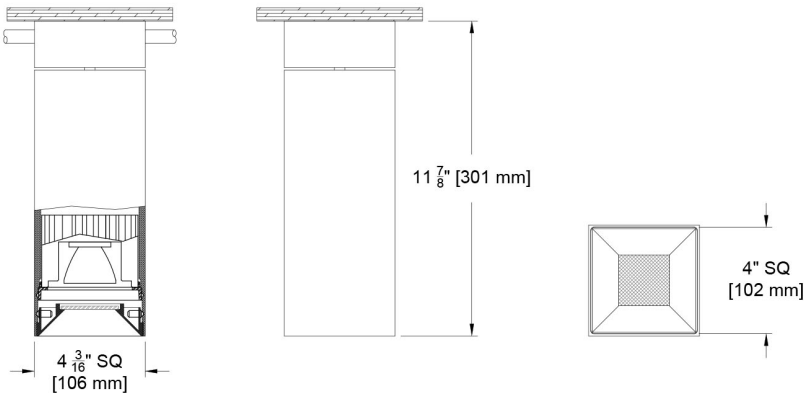
(CR4CD-SF-DR-SM-B-10)



### 10" Fixed Box Downlight

#### Junction Box (JB)

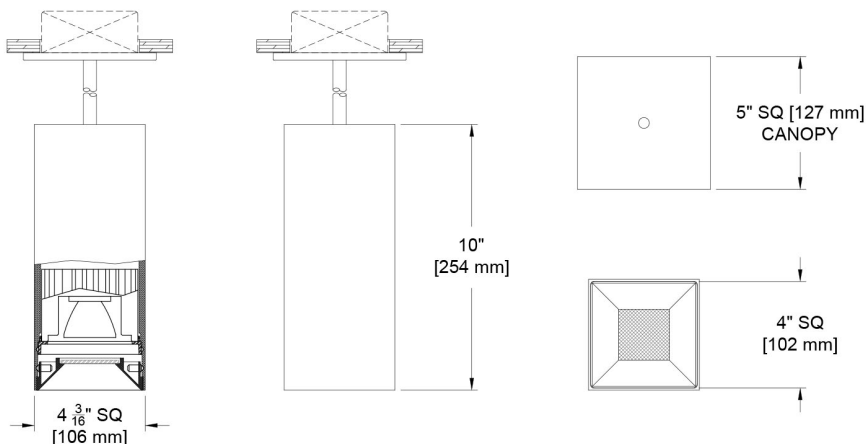
(CR4CD-SF-DR-JB-B-10)



### 10" Fixed Box Downlight

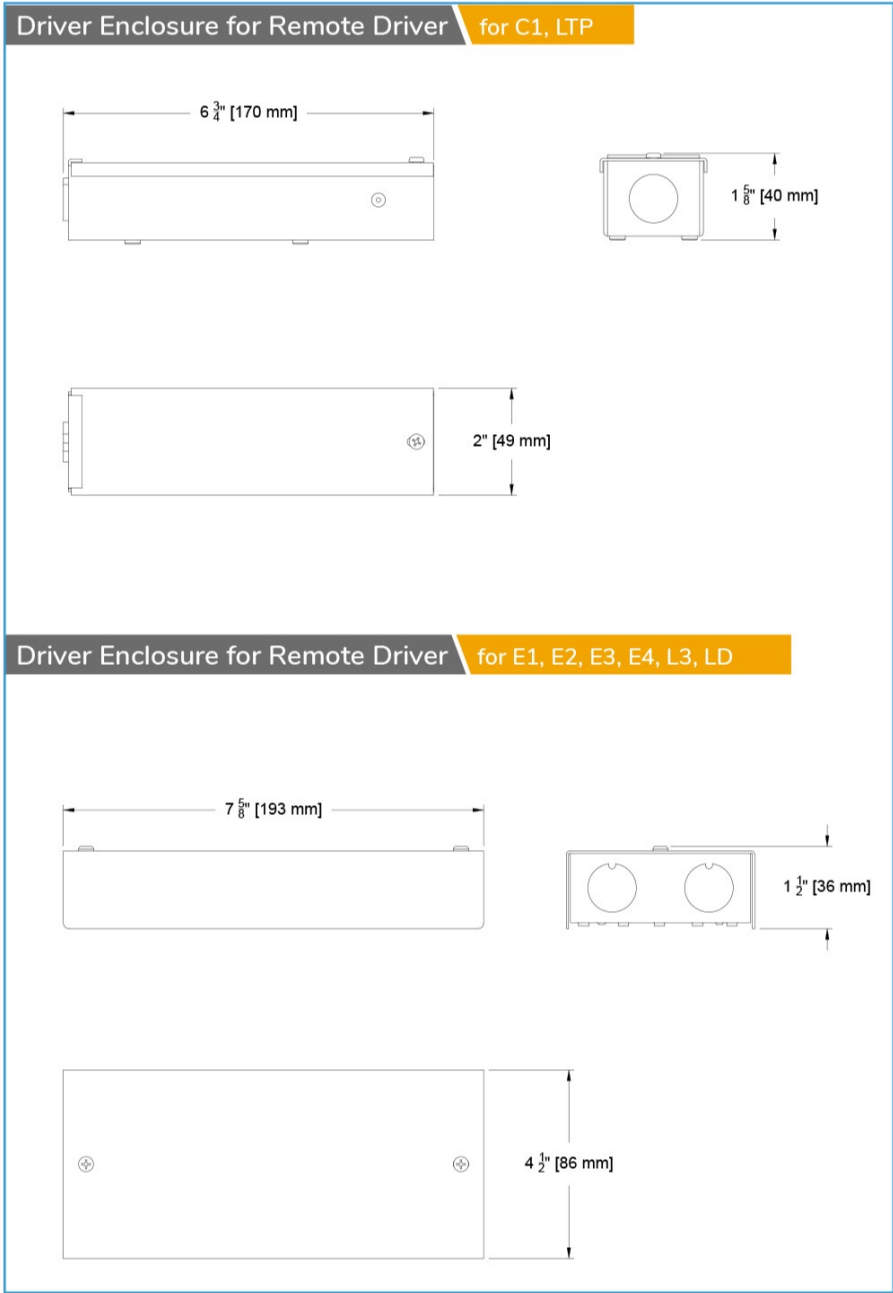
#### Stem / Pendant Mount (STM)

(CR4CD-SF-DR-STM-XX"-10)



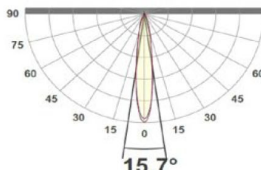
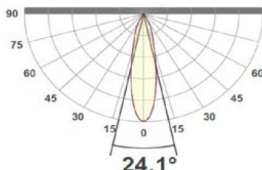
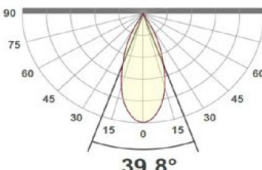
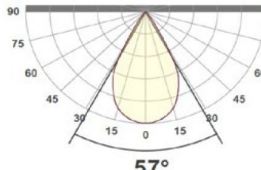
# Ceiling Cutouts and Dimensions

Deep Regress Shown - others similar



Photometric Table

All data is 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 at full output. Photometrics are based on the recessed wall wash (CR4D-SF). You will need to set the height of the IES file within your calculation based on the mounting method and length of product selected.

| 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                                                                             | Del. 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°       |
|                                                                                                                                                                                                                                                                  | 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°       |
|                                                                                                                                                                                                                                                                  | Ambient Dim A14 | 15                                                                                  | 810                   | 54           | 5857    | 39°                                                                                 | 779                   | 52           | 3270    | 56°                                                                                  | 779                   | 52           | 1829    | 60°                                                                                   | 764              | 51        | 1058    | 72°       |
| Flat (Pin Hole)                                                                                                                                                                                                                                                  | Citizen C14     | 15                                                                                  | 829                   | 55           | 7740    | 37°                                                                                 | 737                   | 49           | 1436    | 46°                                                                                  | 719                   | 48           | 2379    | 51°                                                                                   | 661              | 44        | 1357    | 64°       |
|                                                                                                                                                                                                                                                                  | Citizen C20     | 21                                                                                  | 1105                  | 53           | 10321   | 35°                                                                                 | 982                   | 47           | 5513    | 42°                                                                                  | 958                   | 46           | 3169    | 49°                                                                                   | 881              | 42        | 1808    | 62°       |
|                                                                                                                                                                                                                                                                  | Ambient Dim A14 | 15                                                                                  | 539                   | 36           | 4828    | 36°                                                                                 | 479                   | 32           | 2326    | 42°                                                                                  | 467                   | 31           | 1301    | 50°                                                                                   | 429              | 29        | 689     | 63°       |
| CCT Multiplier                                                                                                                                                                                                                                                   |                 |                                                                                     |                       |              |         |                                                                                     |                       |              |         |                                                                                      |                       |              |         |                                                                                       |                  |           |         |           |
| CCT                                                                                                                                                                                                                                                              | Citizen         |                                                                                     |                       |              |         |                                                                                     |                       |              |         |                                                                                      |                       |              |         |                                                                                       |                  |           |         |           |
| 2700                                                                                                                                                                                                                                                             | 0.95            |                                                                                     |                       |              |         |                                                                                     |                       |              |         |                                                                                      |                       |              |         |                                                                                       |                  |           |         |           |
| 3000                                                                                                                                                                                                                                                             | 1.00            |                                                                                     |                       |              |         |                                                                                     |                       |              |         |                                                                                      |                       |              |         |                                                                                       |                  |           |         |           |
| 3500                                                                                                                                                                                                                                                             | 1.02            |                                                                                     |                       |              |         |                                                                                     |                       |              |         |                                                                                      |                       |              |         |                                                                                       |                  |           |         |           |
| 4000                                                                                                                                                                                                                                                             | 1.03            |                                                                                     |                       |              |         |                                                                                     |                       |              |         |                                                                                      |                       |              |         |                                                                                       |                  |           |         |           |
| All Measurements delivered or derived delivered lumens based on 3000K. ISO CD plots based on Open Regress Ambient dim at full output. Flat (Pin Hole) at wider beam angles experience significant beam clipping - refer to PDF report for exact FWHM beam angle. |                 |                                                                                     |                       |              |         |                                                                                     |                       |              |         |                                                                                      |                       |              |         |                                                                                       |                  |           |         |           |
|                                                                                                                                                                                                                                                                  |                 |  |                       |              |         |  |                       |              |         |  |                       |              |         |  |                  |           |         |           |

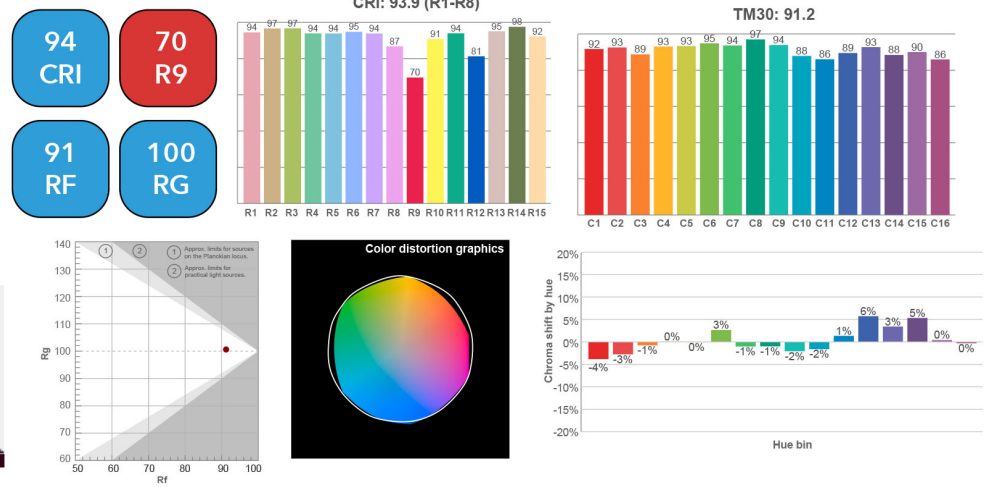
ISO CD Plot based on Open Regress. All data based on delivered or derived delivered lumens at 3000k. Ambient dim at full output. Flat (Pin Hole) aperture wider beams experience significant beam clipping - refer to PDF report for exact FWHM beam angle.

## 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.

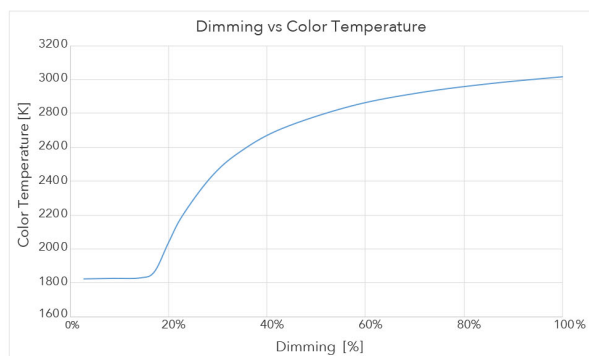
### Citizen - C14 and C20

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

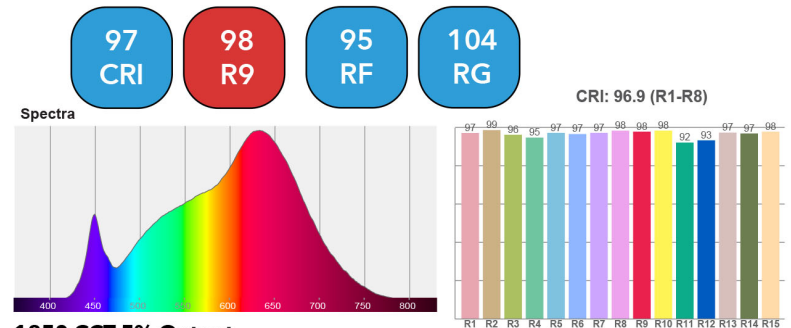


### Ambient Dim - 3000k to 1900k

- <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

