

## Core 4" Rectangular Multiple - 2 & 3 Cell

Formerly known as 1050-2, 1050-3, 1057-2, 1057-3

Recessed Adjustable Multiple Aperture (Cell)

# 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 individually adjustable heads in multiple cells with a wide selection of options including wood trims and up to 6000 lumens in a 3 cell selection.

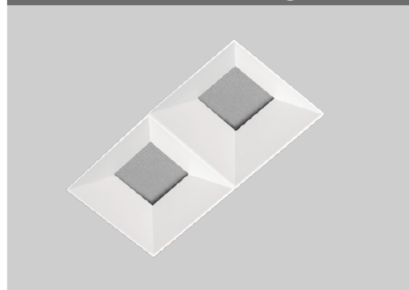
PROJECT:

TYPE:

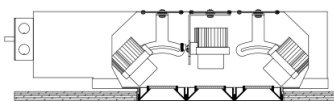
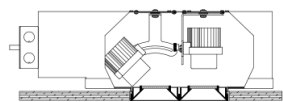
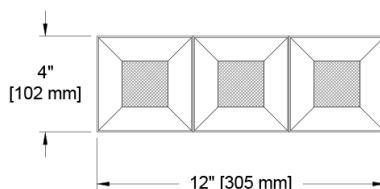
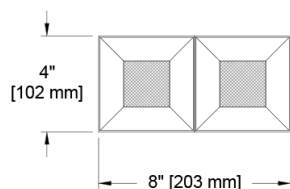
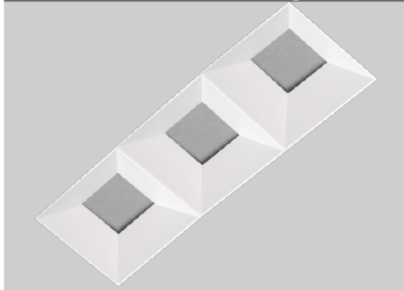
SPECIFIER:

DATE:

4x8" - 2 Cell (Flangeless)

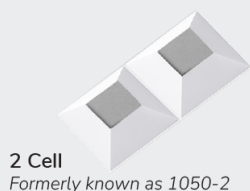


4x12" - 3 Cell (Flangeless)

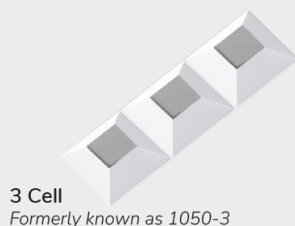


## Aperture Options

Deep Regress (DR)

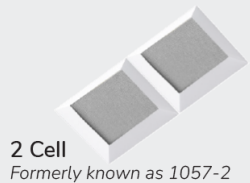


2 Cell  
Formerly known as 1050-2

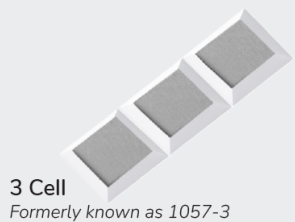


3 Cell  
Formerly known as 1050-3

Open Regress (OR)



2 Cell  
Formerly known as 1057-2



3 Cell  
Formerly known as 1057-3

Wood Finish  
3 Cell shown (2 Cell Available)  
Formerly known as 1057-3

## Key Points (CR4MD-TMCA)

### Trim

- Individual die cast aluminum or machined wood trim assembled to look as one contiguous multi cell fixture
- Plaster mount allows installation from below and includes mud-in flange with plaster lip
- 14 color options + custom/RAL or wood available
- 3 types of flangeless mounting available

### Source / Optics

- 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
- <2 MacAdam Steps (<2SDCM) for fixed white
- Over 6000 lumens delivered in 3 cell fixture with a C28 source selection
- Adjustable to 45° with 358° of rotation
- 4 beamspreads available- 15°, 24°, 40°, and 55°

### Housing

-  Compliant to  with IC/Airtight 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™ Dimming to 0.1% available
- Prewired and integral to housing
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Universal 120-277v

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4MD-TMCA-DR3-Z-AP-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-TMCA                                                       |                              |                      |                                                               |                                                                                                                                                                                                   |                                                                           |                    |                                                                                                                                                                   |                 |                                          |                                                                      |                                                     |
| Core 4" Rectangular Multiple Adjustable Downlight - 2 and 3 Cell | Two Head                     | Z<br>Flangeless Trim | U<br>Universal - Non IC                                       | Citizen                                                                                                                                                                                           | 24<br>2400K                                                               | 15<br>Spot         | C1<br>0-10<br>1.0%, UNV (120-277V) linear                                                                                                                         | 1C<br>1 Circuit | W<br>White Paint                         | Aperture Lens                                                        | EM<br>Emergency Pack                                |
|                                                                  | DR2<br>2 Cell - Deep Regress |                      |                                                               |                                                                                                                                                                                                   | 27<br>2700K                                                               | 24<br>Narrow Flood | C2<br>ELV/Triac<br>1.0%, (120V) linear                                                                                                                            | 2C<br>2 Circuit |                                          |                                                                      | CP<br>Chicago Plenum                                |
|                                                                  | OR2<br>2 Cell - Open Regress |                      |                                                               |                                                                                                                                                                                                   | 30<br>3000K                                                               | 40<br>Flood        | E1<br>0-10<br>0.1%, UNV (120-277V) log                                                                                                                            |                 |                                          |                                                                      | Controls                                            |
|                                                                  | Three Head                   |                      |                                                               |                                                                                                                                                                                                   | 35<br>3500K                                                               | 55<br>Wide Flood   | E2<br>DALI-2<br>0.1%, UNV (120-277V) log                                                                                                                          |                 |                                          |                                                                      | LR<br>Lutron Wireless RF PowPak                     |
|                                                                  | DR3<br>3 Cell - Deep Regress |                      |                                                               |                                                                                                                                                                                                   | 40<br>4000K                                                               |                    | E3<br>0-10<br>0.1%, UNV (120-277V) linear                                                                                                                         |                 |                                          |                                                                      | ATH<br>Lutron Athena Wireless Node                  |
|                                                                  | OR3<br>3 Cell - Open Regress |                      | PM<br>Panel Mount - Non IC                                    | Tunable                                                                                                                                                                                           | TW1840<br>1800-4000K<br>Tunable White<br>w/ E1, E2, E3, E4                |                    | E4 ^<br>DMX<br>0.1%, UNV (120-277V) Universal DMX Driver/Controller<br>RGBW-DMX ^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS |                 | PXX<br>Specialty Paint Color*<br>P01-P15 | Reflector (lamp) Media                                               | Must be used with E2 driver                         |
|                                                                  |                              |                      | APM<br>Panel Mount Airtight/IC*                               | T9<br>90+CRI, 60+R9<br>Tunable White                                                                                                                                                              | TW2765<br>2700-6500K<br>Tunable White<br>w/ E1, E2, E3, E4                |                    | LD<br>Digital Ecosystem<br>1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1                                                                             |                 | C<br>Custom/RAL Color**                  | 91L Solite                                                           | CA<br>Casambi Wireless BLE to be paired with driver |
|                                                                  |                              |                      | California Title 24 Compliant *Not compatible with C28 Source | T14<br>90+CRI, 60+R9<br>Tunable White                                                                                                                                                             | RG1280<br>1200-8000K<br>RGBW Dynamic Color Changing<br>*Requires E2 or E4 |                    | TR2<br>TruPhase™<br>0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only                                   |                 |                                          | 97L Black Hexcel Louver                                              |                                                     |
|                                                                  |                              |                      |                                                               | A14<br>15W<br>810Lm<br>95+CRI, 90+R9                                                                                                                                                              | Ambient Dim™                                                              |                    |                                                                                                                                                                   |                 |                                          | XXL Other reflector (lamp) media*                                    |                                                     |
|                                                                  |                              |                      |                                                               | A20<br>21W<br>858Lm<br>95+CRI, 90+R9                                                                                                                                                              |                                                                           |                    |                                                                                                                                                                   |                 |                                          | 1 piece of media per opening (aperture or reflector) can be selected |                                                     |
|                                                                  |                              |                      |                                                               | 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 cell |                                                                           |                    |                                                                                                                                                                   |                 |                                          | *Refer to Lens Guide                                                 |                                                     |
|                                                                  |                              |                      |                                                               |                                                                                                                                                                                                   | 2722*<br>2700-2200K<br>*A14 Only                                          |                    |                                                                                                                                                                   |                 |                                          |                                                                      |                                                     |
|                                                                  |                              |                      |                                                               |                                                                                                                                                                                                   | 3019<br>3000-1900K                                                        |                    |                                                                                                                                                                   |                 |                                          |                                                                      |                                                     |
|                                                                  |                              |                      |                                                               |                                                                                                                                                                                                   | 3022 *<br>3000-2200K<br>*A14 Only                                         |                    |                                                                                                                                                                   |                 |                                          |                                                                      |                                                     |
|                                                                  |                              |                      |                                                               |                                                                                                                                                                                                   |                                                                           |                    | * Not compatible with C28                                                                                                                                         |                 |                                          |                                                                      |                                                     |

## Core 4" Rectangular Multiple - 2 & 3 Cell

Formerly known as 1050-2, 1050-3, 1057-2, 1057-3

Recessed Adjustable Multiple Aperture (Cell)

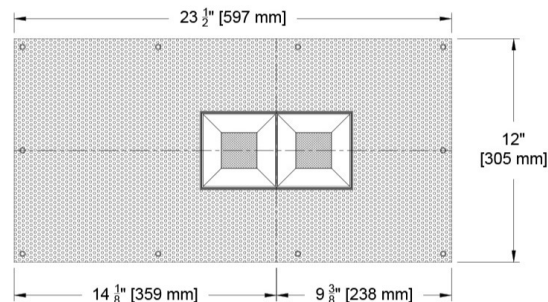
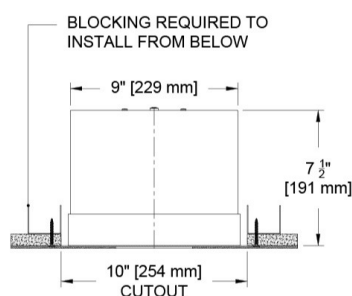
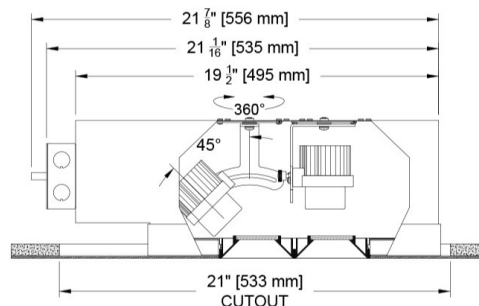
# Ceiling Cutouts and Dimensions

Deep Regress Shown - open regress same

## 2 Cell Flangeless Housing

## Plaster Mount (P/AP)

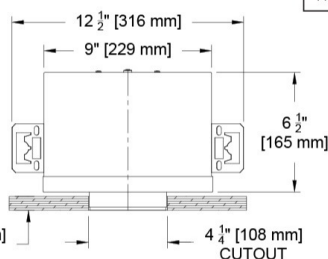
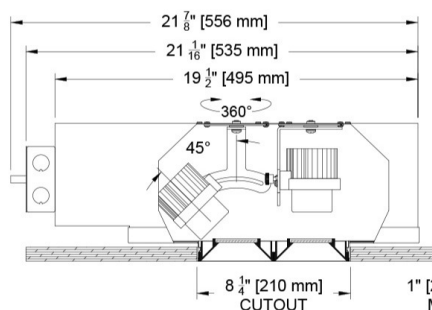
(CR4MD-TMCA-DR2-Z-P/AP)



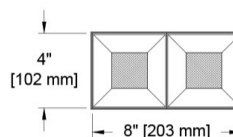
## 2 Cell Flangeless Housing

## Flangeless Mount (U/AU)

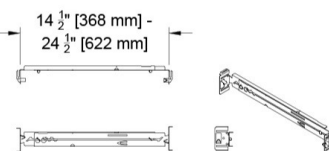
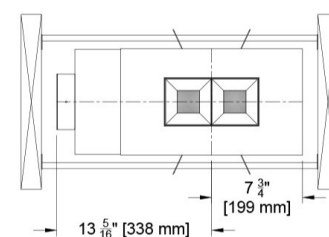
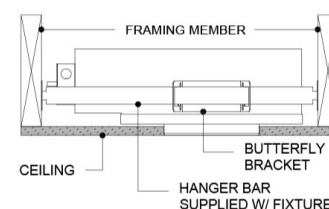
(CR4MD-TMCA-DR2-Z-U/AU)



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



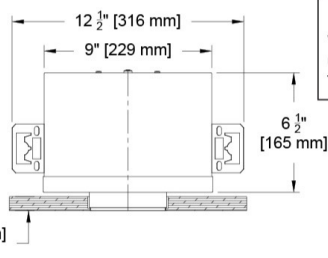
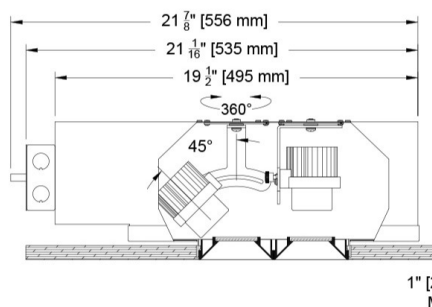
## Hanger Bar Detail



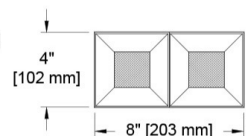
## 2 Cell Flangeless Housing

## Panel Mount (PM/APM)

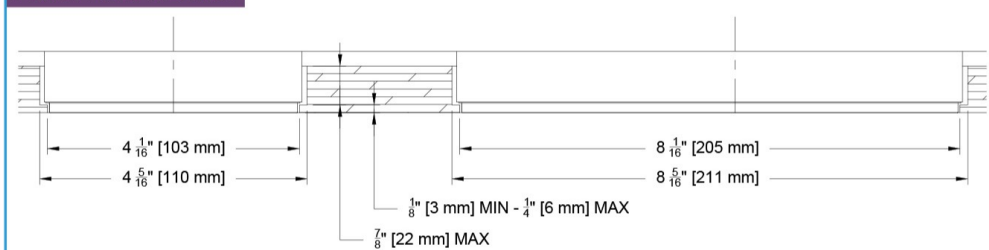
(CR4MD-TMCA-DR2-Z-PM/APM)



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



## Panel Mount Detail



## Core 4" Rectangular Multiple - 2 & 3 Cell

Formerly known as 1050-2, 1050-3, 1057-2, 1057-3

Recessed Adjustable Multiple Aperture (Cell)

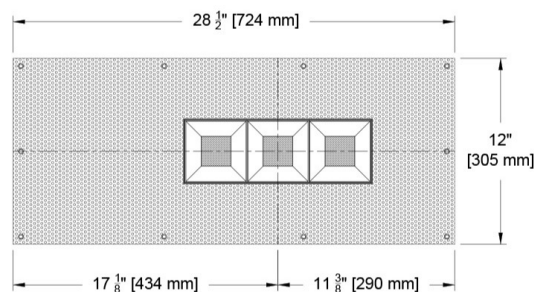
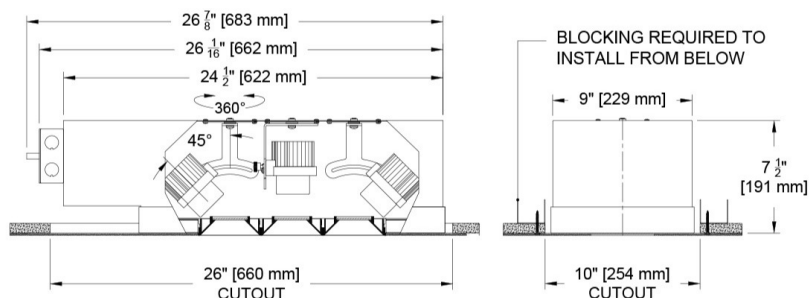
# Ceiling Cutouts and Dimensions

Deep Regress Shown - open regress same

## 3 Cell Flangeless Housing

### Plaster Mount (P/AP)

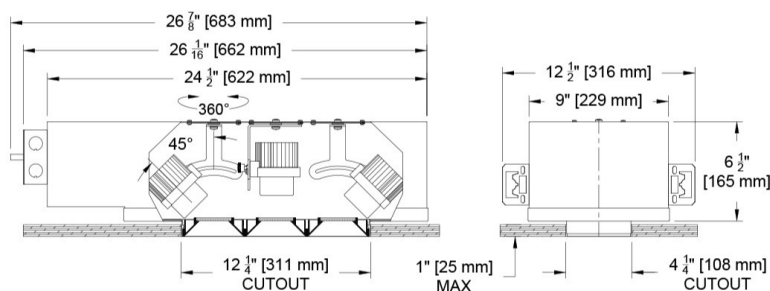
(CR4MD-TMCA-DR3-Z-P/AP)



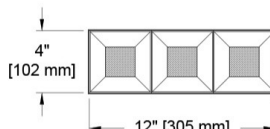
## 3 Cell Flangeless Housing

### Flangeless Mount (U/AU)

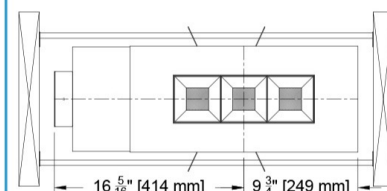
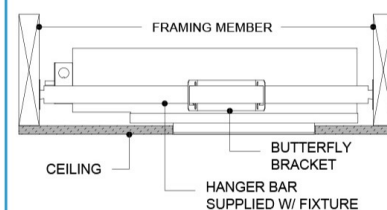
(CR4MD-TMCA-DR3-Z-U/AU)



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



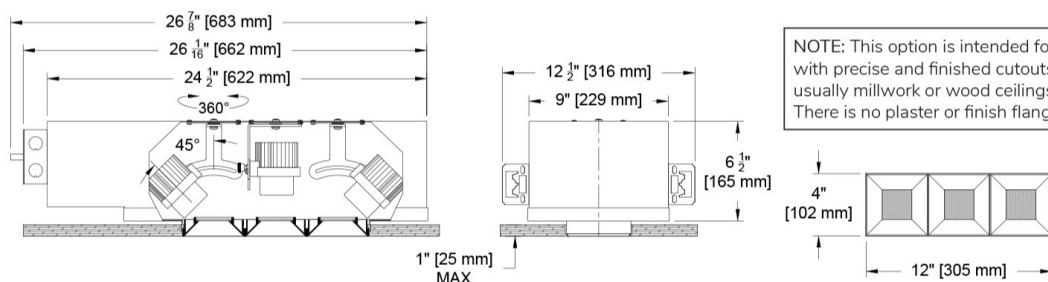
## Hanger Bar Detail



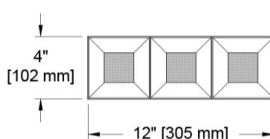
## 3 Cell Flangeless Housing

### Panel Mount (PM/APM)

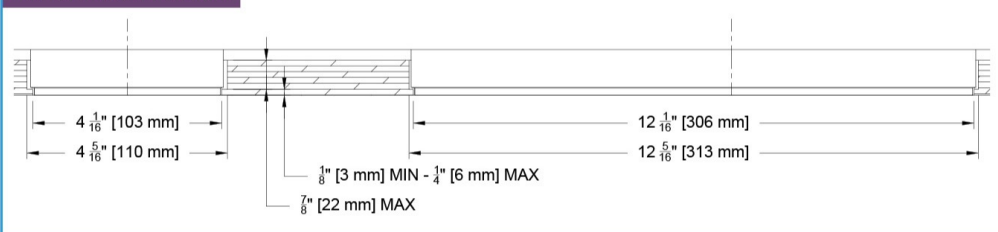
(CR4MD-TMCA-DR3-Z-PM/APM)



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

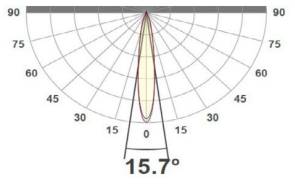
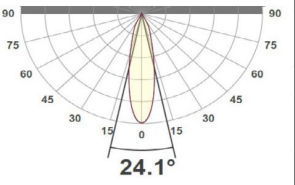
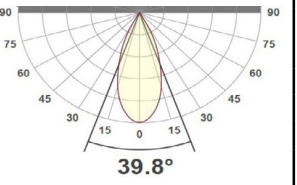
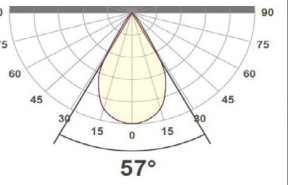


## Panel Mount Detail



Photometric Table

All data is based on goniometer measurements of production representative product for a single cell fixture. Multiple cells 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 Beamsreads                   |                 |                  | 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. |                 |                  |                                                                                   |              |         |           |                       |                                                                                   |         |           |                       |              |                                                                                    |           |                       |           |         |                                                                                     |  |  |  |  |

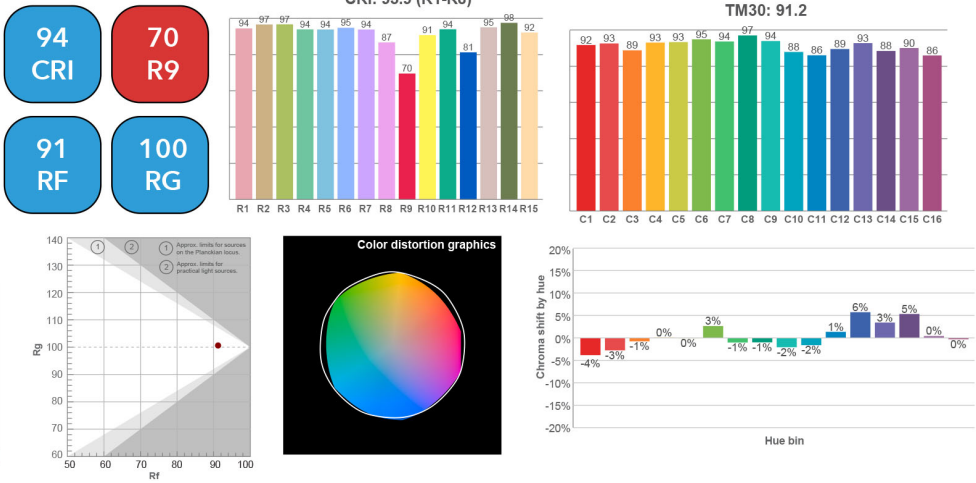
All measurements are delivered or derived delivered lumens at 3000k . Values are based on a single head aimed at 0° in the Core 4" square down light (CR4D-SA). Multiple heads will deliver more light and will need to be accounted for individually in calculations. Ambient Dim measured at full output. C28 requires active cooling and must be used with NIC housing.

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

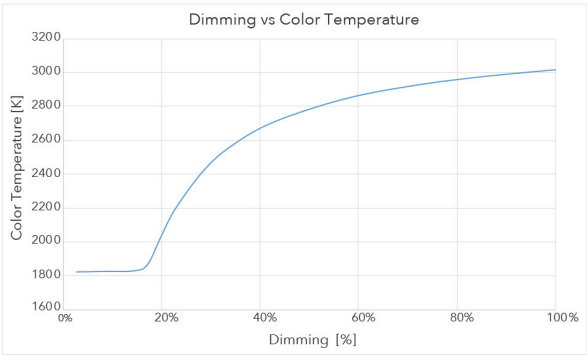
Citizen Sources for C14, C20 and C28

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

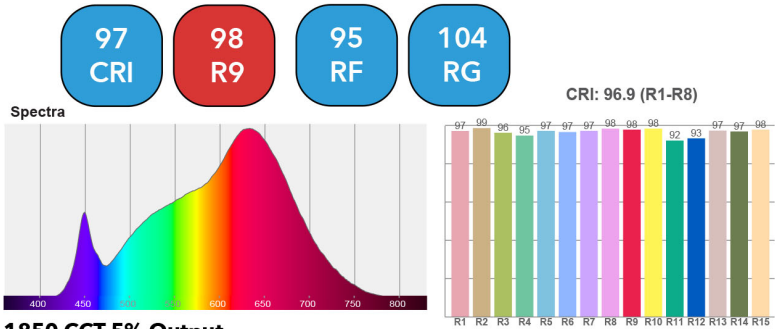


Ambient Dim 3000k to 1900k

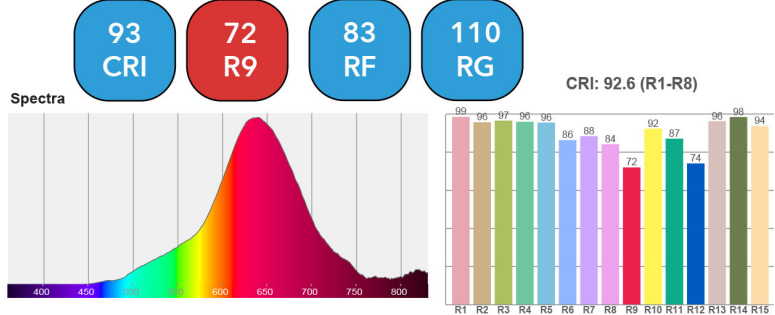
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



3000 CCT Full Output



1850 CCT 5% Output



## Core 4" Rectangular Multiple - 2 & 3 Cell

Formerly known as 1050-2, 1050-3, 1057-2, 1057-3

Recessed Adjustable Multiple Aperture (Cell)



## Tunable White and RGBW

Color and flux information available upon request