specialty lighting industries

The Core Family

Welcome to the Core surface/pendant mounted square wall wash. With the popularity of open ceilings, we believe a wall wash option is important. Offering 3 different housing lengths, 3 mounting types and 14 paint finish options, the wall wash provides a 3.7:1 illumination ratio from top to bottom of the wall. This fixture deploys the same optical system as the Core recessed wall wash and offers most of the same source and driver options of the other Core fixtures to allow mixing of recessed and surface as necessary.

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR4CWW-SF)

Housing

- 3 height selections - 6", 7.5" and 10"
- 3 mounting options - Surface, Jbox or Stem/Pendant
- JBox mounting allows conduit pass through
- 14 color options + custom RAL available
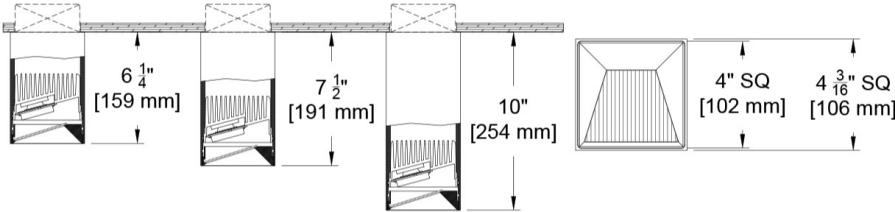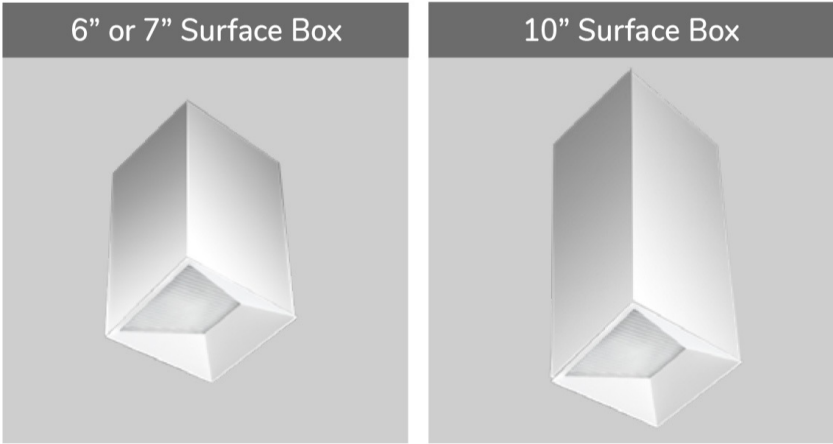- Precision die formed, heavy guage aluminum

Source / Optics

- Up to 832 delivered lumens
- <2 MacAdam Steps (<2SDCM) for fixed white
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional with Ambient Dim
- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, RGBW & Tunable White options
- Lifetime: L87B3>55,000 hours at 40ºC Ambient

Driver

- Universal 120-277v
- Prewired and integral to housing in some configurations
- Flicker free to IEEE 1789-2015
- Phase, 0-10, DALI-2, DMX, Ecosystem or Wireless Control

Labels

- cCSAus Listed – Damp location
- TITLE 24 Compliant to JA8 with C14 source selection

6" or 7" Surface Box

10" Surface Box

$6\frac{1}{4}$" [159 mm]

$7\frac{1}{2}$" [191 mm]

10" [254 mm]

4" SQ [102 mm] $4\frac{3}{16}$" SQ [106 mm]

Mounting Options

6" | 7" | 10" Wall Wash (WW)
Surface Mount

6" | 7" | 10" Wall Wash (WW)
Pendant Mount

6" | 7" | 10" Wall Wash (WW)
Junction Box w/Pass Through

www.specialty-lighting.com
© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971

Core 4" Square Cylinder Wall Wash
Surface and Pendant Mount

SPECIALTY lighting industries

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR4CWW-SF-JB-B-7-C14-30-C1-P14

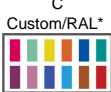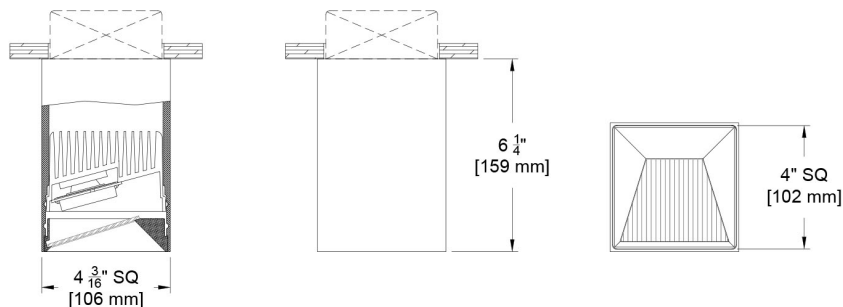| FIXTURE	MOUNTING	LENGTH	HEIGHT	SOURCE / WATTS	CCT	DRIVER / CONTROL	HOUSING FINISH	ACCESSORIES
CR4CWW-SF								
Core 4" Square Cylinder Wall Wash	**SM** Surface Mount* **JB** J Box mount^ **STM** Stem Mount *Recessed Jbox supplied by others ^Surface Jbox cover crafted, finished and supplied by Specialty	**B** Blank - use for surface or jbox mount **-** Stem Length - Specify in inches or mm	**6** 6" housing height* **7** 7.5" housing height^ **10** 10" housing height^ *Remote driver required ^Integral driver for C1, C2 and LP - others remote	**Citizen** **C14** ●● 14W 679Lm** 90+CRI, 60+R9 **C20** 21W 832Lm** 90+CRI, 60+R9 **Tunable** **T14** 90+CRI, 60+R9 *Tunable White* **T20** ●● 21W 90+CRI, 60+R9 *Tunable White* **RGBW** 90+CRI, 60+R9 **Ambient Dim™** **A14** 15W 461Lm 95+CRI, 90+R9 **A20** ●● 21W 858Lm 95+CRI, 90+R9 ● ● California Title 24 Compliant to JA8	**24** 2400K **30** 3000K **35** 3500K **40** 4000K **27** 2700K **Tunable** **TW1840** 1800-4000K Tunable White *w/ E1, E2, E3, E4* **TW2765** 2700-6500K Tunable White *w/ E1, E2, E3, E4* **RG1280** 1200-8000K RGBW Dynamic Color Changing *Requires E2 or E4* **Ambient Dim™** **2722*** 2700-2200K *A14 Only* **3019** 3000-1900K **3022 *** 3000-2200K *A14 Only*	**C1** 0-10 1.0%, UNV (120-277V) linear **C2** ELV/Triac 1.0%, (120V) linear **E1** 0-10 0.1%, UNV (120-277V) log **E2** DALI-2 0.1%, UNV (120-277V) log **E3** 0-10 0.1%, UNV (120-277V) linear **E4^** DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller *RGBW-DMX* *^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS* **Lutron** **LD** Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1 **LP** Digital Ecosystem 0.1%, UNV (120-277V) ECO Premier Hi-Lume SoftOn/Fade-to-Black, PEQ0, 20W max	**W** White Paint **B** Black Paint **PXX** Specialty Paint Color* P01-P15 **C** Custom/RAL* *See Specialty Finish Guide	**EM** Emergency Pack **Controls** **LR** Lutron Wireless RF PowPak **ATH** Lutron Athena Wireless Node *Must be used with E2 driver* **CA** Casambi Wireless BLE to be paired with driver

www.specialty-lighting.com
© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971

specialty
lighting industries

Ceiling Cutouts and Dimensions

6" Fixed Box Wall Wash — Surface Mount (SM)

(CR4C-SF-WW-SM-B-6)

6 $\frac{1}{4}$" [159 mm]
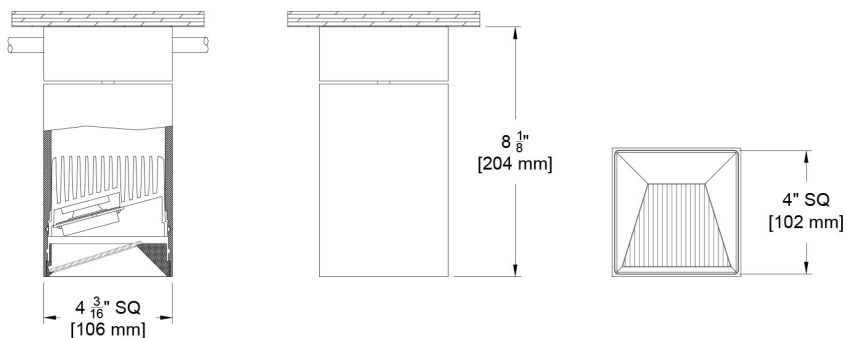
4 $\frac{3}{16}$" SQ [106 mm]

4" SQ [102 mm]

6" Fixed Box Wall Wash — Junction Box (JB)

(CR4C-SF-WW-JB-B-6)

8 $\frac{1}{8}$" [204 mm]

4 $\frac{3}{16}$" SQ [106 mm]

4" SQ [102 mm]

6" Fixed Box Wall Wash — Stem / Pendant Mount (STM)

(CR4C-SF-WW-STM-XX"-6)

Ø$\frac{1}{2}$" [13 mm]

5" SQ [127 mm] CANOPY

6 $\frac{1}{4}$" [159 mm]

4 $\frac{3}{16}$" SQ [106 mm]

4" SQ [102 mm]

www.specialty-lighting.com
© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971
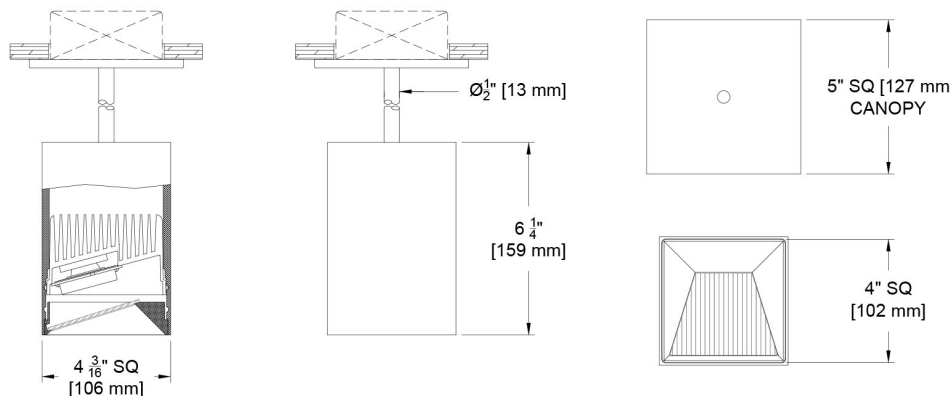
Ceiling Cutouts and Dimensions

7" Fixed Box Wall Wash — Surface Mount (SM)

(CR4C-SF-WW-SM-B-7)
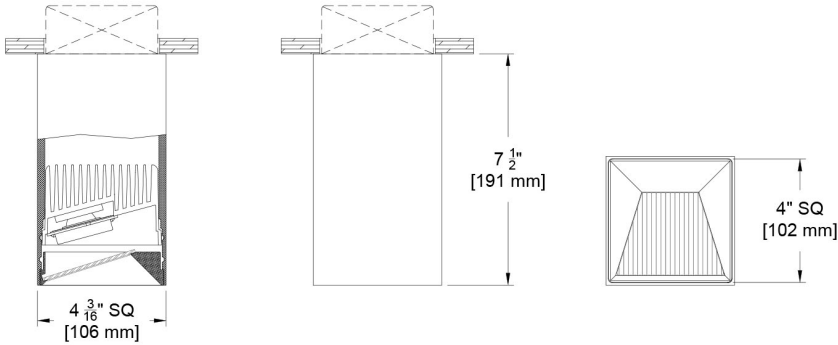
$7\frac{1}{2}$"
[191 mm]
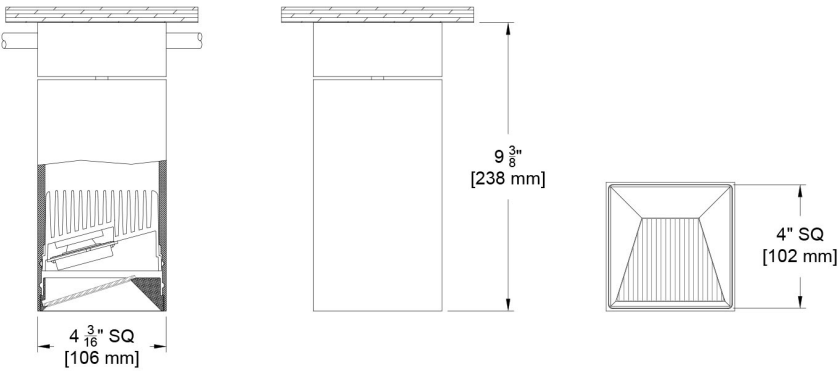
4" SQ
[102 mm]

$4\frac{3}{16}$" SQ
[106 mm]

7" Fixed Box Wall Wash — Junction Box (JB)

(CR4C-SF-WW-JB-B-7)

$9\frac{3}{8}$"
[238 mm]

4" SQ
[102 mm]

$4\frac{3}{16}$" SQ
[106 mm]

7" Fixed Box Wall Wash — Stem / Pendant Mount (STM)

(CR4C-SF-WW-STM-XX"-7)

Ø$\frac{1}{2}$" [13 mm]

5" SQ [127 mm
CANOPY

$7\frac{1}{2}$"
[191 mm]

4" SQ
[102 mm]

$4\frac{3}{16}$" SQ
[106 mm]

www.specialty-lighting.com
© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971
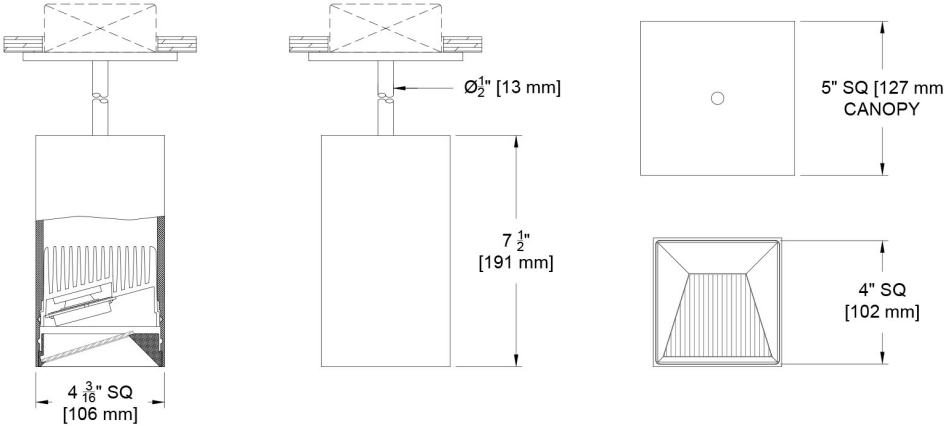
Ceiling Cutouts and Dimensions

10" Fixed Box Wall Wash — Surface Mount (SM)

(CR4C-SF-WW-SM-B-10)
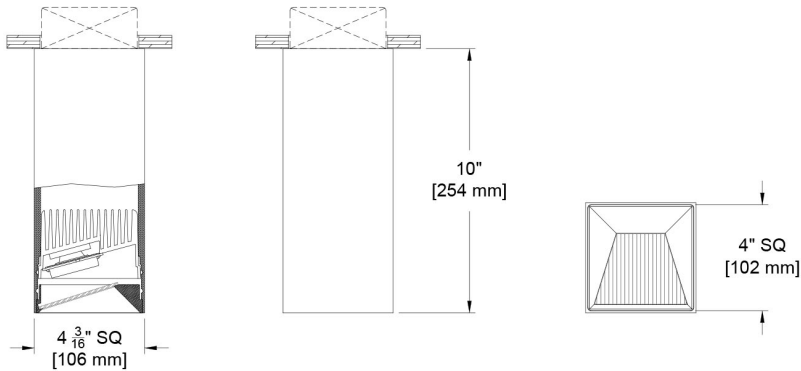
10"
[254 mm]
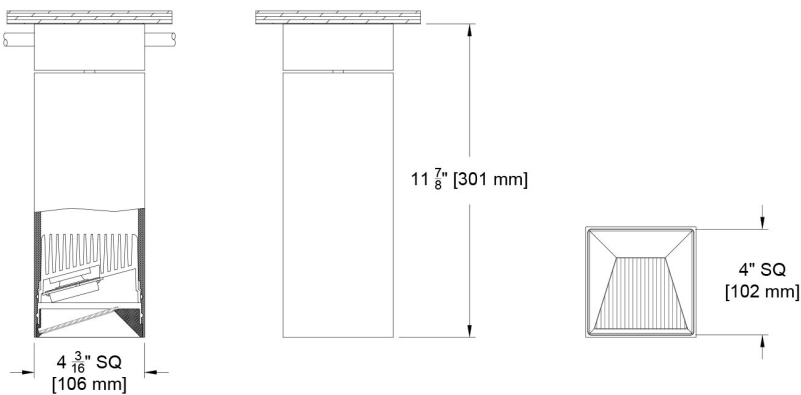
4" SQ
[102 mm]

4 $\frac{3}{16}$" SQ
[106 mm]

10" Fixed Box Wall Wash — Junction Box (JB)

(CR4C-SF-WW-JB-B-10)

11 $\frac{7}{8}$" [301 mm]

4" SQ
[102 mm]

4 $\frac{3}{16}$" SQ
[106 mm]

10" Fixed Box Wall Wash — Stem / Pendant Mount (STM)

(CR4C-SF-WW-STM-XX"-10)

5" SQ [127 mm]
CANOPY

10"
[254 mm]

4" SQ
[102 mm]

4 $\frac{3}{16}$" SQ
[106 mm]

www.specialty-lighting.com
© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971
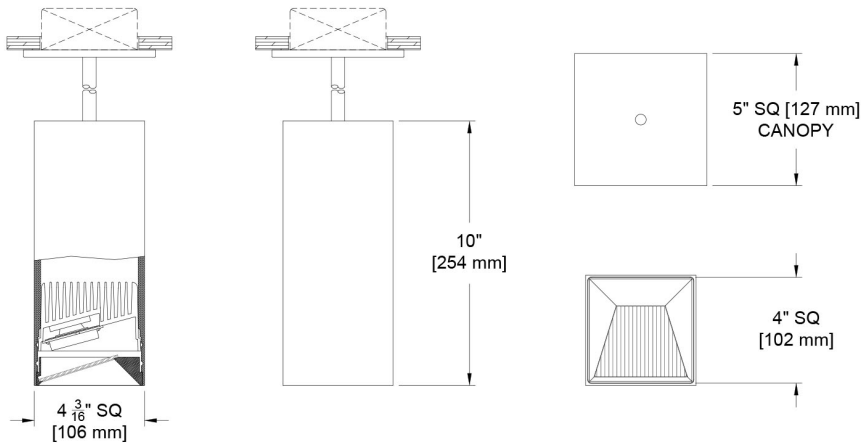
Ceiling Cutouts and Dimensions
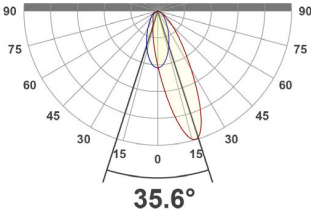
Driver Enclosure for Remote Driver \ for C1, LTP

6 ¾" [170 mm]

1 ⅝" [40 mm]

2" [49 mm]
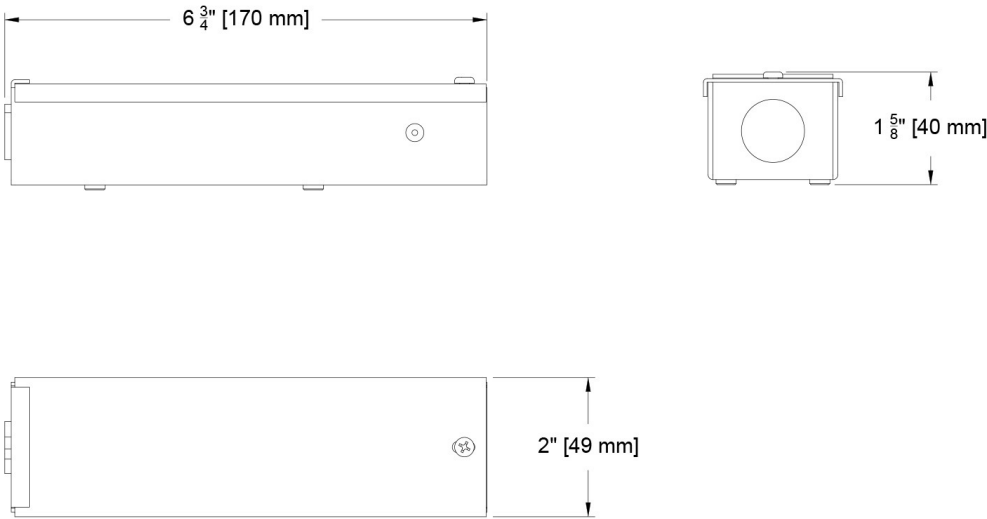
Driver Enclosure for Remote Driver \ for E1, E2, E3, E4, L3, LD

7 ⅝" [193 mm]

1 ½" [36 mm]

4 ½" [86 mm]

www.specialty-lighting.com
© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971
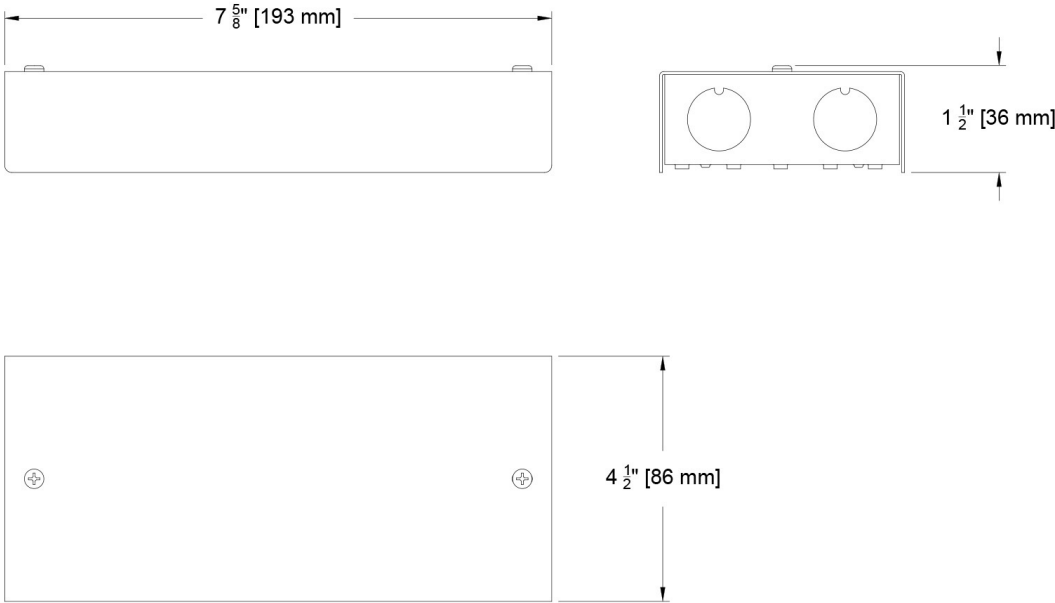
Photometric Table

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 (CR4WW-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 Wall Wash (CR4WW-SF)			
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt
Citizen C14	14	679	49
Citizen C20	21	832	40
Ambient Dim A14	15	461	31

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

Measurements are delivered Lumens based on 3000k from recessed wall wash fixture (CR4WW-SF).

35.6°

AGI Simulation of 3 Wall Wash fixtures in 8' square room at 10' ceiling height with 2.5' setback and (1:1) 2.5' spacing. Based on C14 at 679 Lumens

2'-6"O.C.

							10' Ceiling
4.1fc	5.7fc	5.9fc	5.7fc	5.7fc	5.8fc	5.7fc	4.5fc
9.5fc	12.3fc	13.1fc	13.2fc	13.3fc	13.1fc	12.6fc	9.8fc	8'
13.1fc	17.1fc	18.0fc	18.6fc	18.5fc	17.8fc	17.2fc	13.4fc
14.8fc	19.2fc	20.2fc	20.9fc	20.8fc	19.9fc	19.2fc	14.8fc	6'
15.2fc	19.1fc	20.3fc	21.1fc	20.9fc	20.0fc	18.9fc	14.6fc
13.8fc	17.4fc	18.9fc	19.4fc	19.3fc	18.6fc	17.1fc	13.4fc	4'
12.3fc	15.1fc	16.3fc	16.9fc	16.7fc	15.9fc	14.6fc	11.5fc
10.4fc	12.8fc	13.9fc	14.1fc	14.0fc	13.48fc	12.0fc	9.5fc	2'
9.0fc	11.0fc	11.8fc	12.0fc	11.9fc	11.3fc	10.1fc	7.9fc
7.5fc	8.9fc	9.7fc	9.9fc	9.8fc	9.3fc	8.2fc	6.9fc	Floor

8' Wall Width

www.specialty-lighting.com

© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971
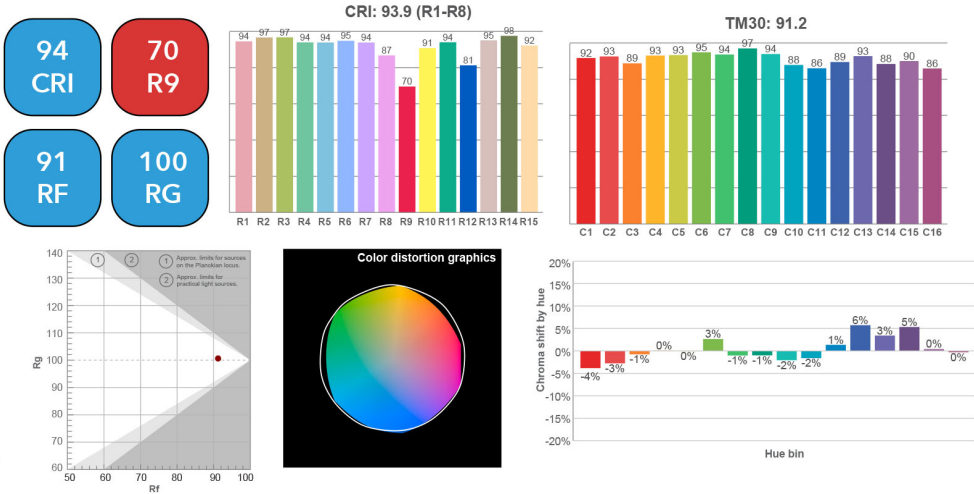
specialty lighting industries

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 unless otherwise noted
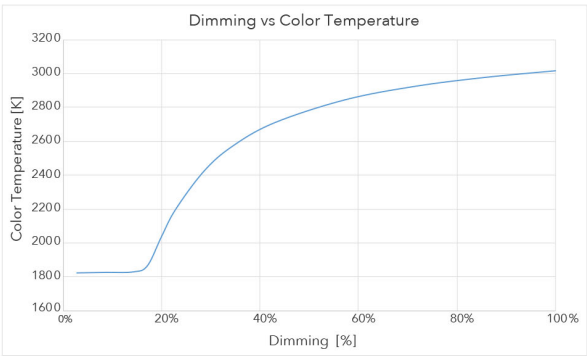
Citizen Sources - C14 and C20

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

94 CRI **70 R9** **91 RF** **100 RG**

CRI: 93.9 (R1-R8)

TM30: 91.2

Spectra
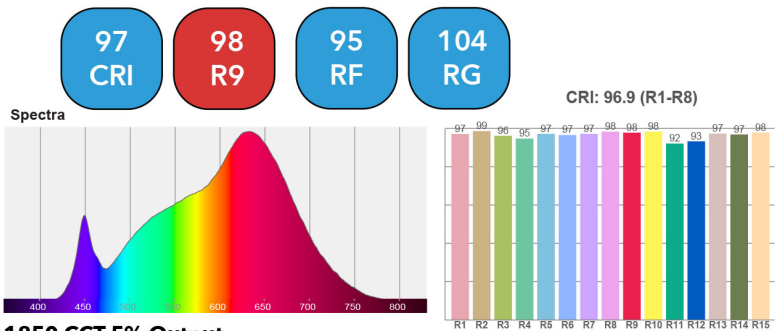

Color distortion graphics

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

97 CRI **98 R9** **95 RF** **104 RG**

Spectra

CRI: 96.9 (R1-R8)

1850 CCT 5% Output

93 CRI **72 R9** **83 RF** **110 RG**

Spectra

CRI: 92.6 (R1-R8)

Dimming vs Color Temperature

www.specialty-lighting.com
© 2025 Specialty Lighting Industries

NOTE: Last Updated on Wed, Jul 16, 2025 4:36 PM.
These specifications are subject to change without notice.

Specialty Lighting Industries
1306 Doris Ave., Ocean, NJ 07712
Tel. 732.517.0800 | Fax 732.517.0971