Core 4" Rectangular Multiple Adjustable Downlight/Wall Wash - 2 Cell

Formerly known as 1240AW

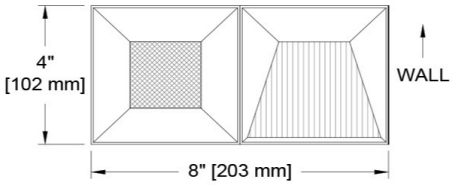
Recessed Adjustable Multiple Aperture (Cell)

The Core Family

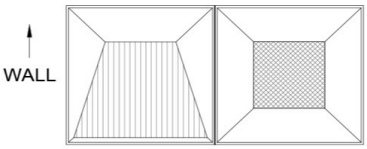
Welcome to the Core line of fixtures. The family is filled with a rich diversity of options while keeping classic forms. This member of the family allows multiple combinations of Accent/Downlight and wall wash orientations in the same fixture. If 3 cells are needed in a specific combination, just ask. We can most likely make the modification. With many source, driver, control and finish options, including wood, this wall wash delivers a 3.7:1 uniformity from top to bottom of the wall along with 4 beam spreads in the adjustable downlight.

*See below for all 6 possible configurations/orientations

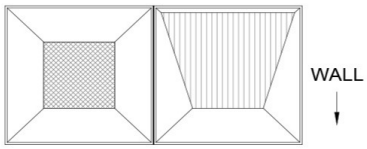
AWL - ACCENT/WALL WASH LEFT
REFLECTED PLAN VIEW



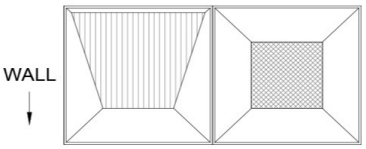
WAL - WALL WASH/ACCENT LEFT
REFLECTED PLAN VIEW



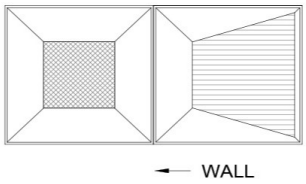
AWR - ACCENT/WALL WASH RIGHT
REFLECTED PLAN VIEW



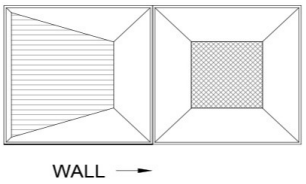
WAR - WALL WASH/ACCENT RIGHT
REFLECTED PLAN VIEW



AWS - ACCENT/WALL WASH SIDE
REFLECTED PLAN VIEW



WAS - WALL WASH/ACCENT SIDE
REFLECTED PLAN VIEW



PROJECT: TYPE:

SPECIFIER: DATE:

Key Points (CR4MDW-TMCA)

Trim

- 14 color options + custom RAL or wood available
- Plaster Mount allows installation from below with large plaster flange and lip
- Individual die cast aluminum or machined wood trim assembled to look as one contiguous multi cell fixture

Source / Optics

- Wall wash achieves a uniform 3.7:1 ratio from top to bottom of 10' wall
- Downlight/Accent adjustable with 45° tilt and 360° rotation
- Over 1900 lumens delivered in downlight and 1000 in wall wash with and C28 source selection
- <2 MacAdam Steps (<2SDCM) for fixed white
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- 2400K, 2700K, 3000K, 3500K, 4000K
  Ambient Dim,Tunable White & RGBW options

Housing

- 3 types of flangeless mounting options
- Heavy gauge aluminum for new construction or remodel
- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring
- c SP us Listed – Damp
- TITLE 24 Compliant to JA8 with Airtight/IC Housing

Driver

- Dimming to 0.1% available
- Prewired and integral to housing
- Flicker free to IEEE 1789-2015
- Phase, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Universal 120-277v

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

Core 4" Rectangular Multiple Adjustable Downlight/Wall Wash - 2 Cell

Formerly known as 1240AW

Recessed Adjustable Multiple Aperture (Cell)

specialty lighting industries

Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

Ordering Code Example: CR4MDW-TMCA-Z-AU-AWL-C20-35-24-LD-2C-P14-91A

FIXTURE	TRIM	MOUNTING	CONFIGURATION	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	CIRCUITS	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR4MDW-TMCA Core 4" Rectangular Multiple Adjustable Downlight/Wall Wash - 2 Cell	Z Flangeless Trim Note: Open Regress and Flat aperture trims for downlight cell are availble upon request	U Universal - Non IC AU Universal IC/Airtight* P Plaster - Non IC AP Plaster IC/Airtight* PM Panel Mount - Non IC APM Panel Mount Airtight/IC* California Title 24 Compliant *Cannot be used with C28 source	AWL Accent/Wall Wash Left AWR Accent/Wall Wash Right AWS Accent/Wall Wash Side WAL Wall Wash Left/Accent WAR Wall Wash Right/Accent WAS Wall Wash Side/Accent Note: Thumbnails are RCP view	**Citizen** C14 15W 1068Lm* 90+CRI, 60+R9 C20 21W 1424Lm* 90+CRI, 60+R9 C28 30† 1848Lm* 90+CRI, 60+R9 **Ambient Dim™** A14 15W 694Lm* 95+CRI, 90+R9 A20 21W 858Lm 95+CRI, 90+R9 **Tunable** T14 90+CRI, 60+R9 *Tunable White* T20 21W 1490Lm^ 90+CRI, 60+R9 *Tunable White* RGBW 90+CRI, 60+R9 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 single cell downlight & 15° beam.	24 2400K 27 2700K 30 3000K 35 3500K 40 4000K **Ambient Dim™** 2722 * 2700-2200K **A14 Only* 3019 3000-1900K 3022 * 3000-2200K **A14 Only* **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*	15 Spot 24 Narrow Flood 40 Flood 55 Wide Flood Note: Select for downlight cell 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 * Not compatible with C28	1C 1 Circuit 2C 2 Circuit	W White Paint B Black Paint D Wood* PXX Specialty Paint Color* P01-P15 C Custom/RAL Color** *Refer to Wood Trim Guide ** Refer to Finish Guide FINISH GUIDE LINK WOOD TRIM GUIDE	**Aperture Lens** 91A Solite 93A Frosted XXA Other Aperture Lens Treatments* **Reflector (lamp) Media** 93L Frosted 91L Solite 97L Black Hexcel Louver XXL Other reflector (lamp) media* 1 piece of Media per opening (aperture or reflector) can be selected *Refer to Lens Guide LENS ACCESSORY VISUAL GUIDE LINK	EM Emergency Pack CP Chicago Plenum **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

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NOTE: Last Updated on Tue, Jan 20, 2026 3:02 PM.
These specifications are subject to change without notice.

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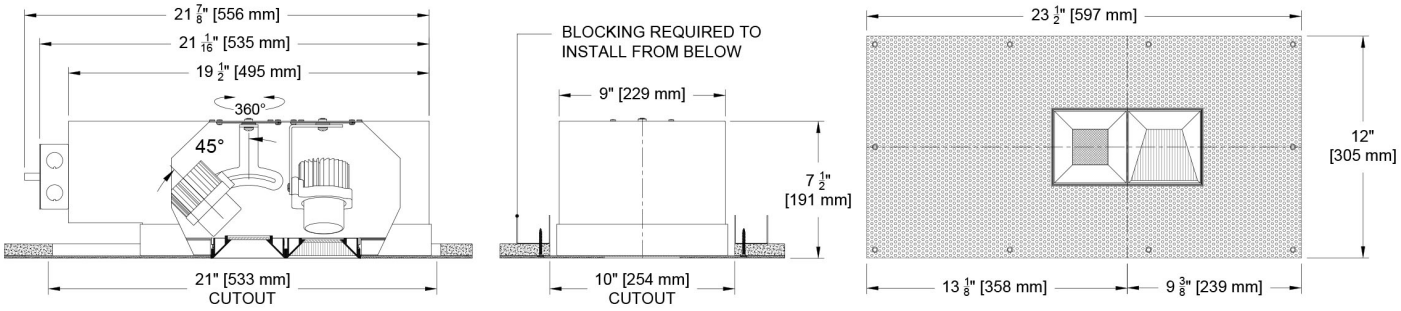
Tel. 732.517.0800 | Fax 732.517.0971

Ceiling Cutouts and Dimensions

2 Cell Flangeless Housing — Plaster Mount (P/AP)

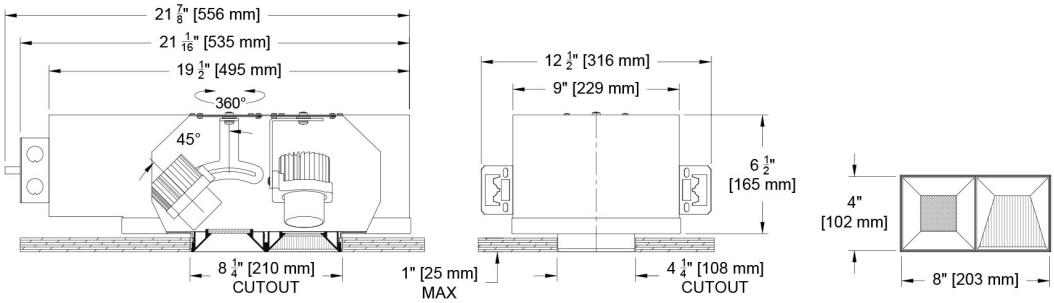
(CR4MDW-TMCA-2-Z-P/AP)



2 Cell Flangeless Housing — Flangeless Mount (U/AU)

(CR4MDW-TMCA-2-Z-U/AU)

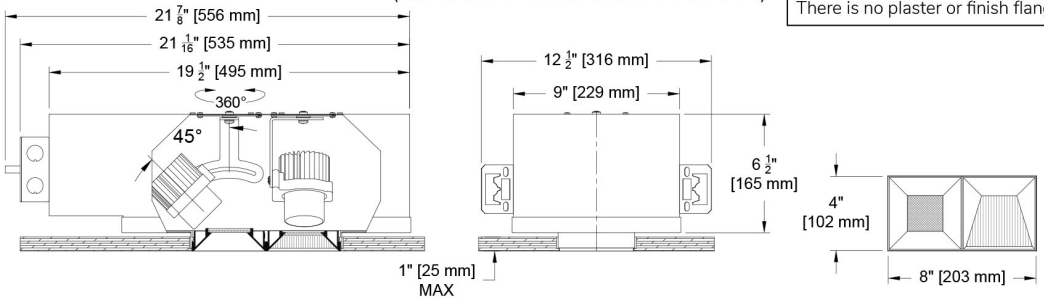
NOTE: This option is intended for use with precise and finished cutouts. There is no plaster or finish flange.



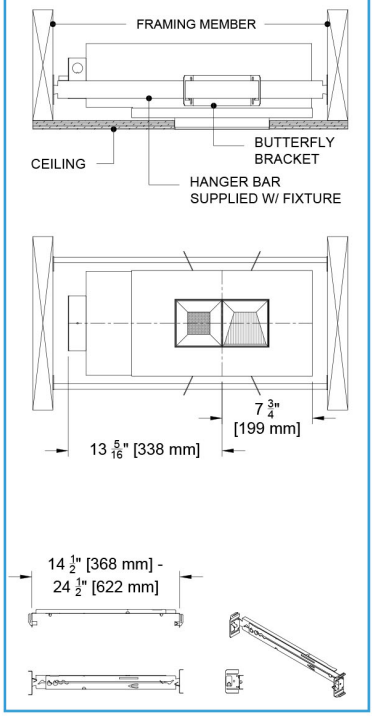
2 Cell Flangeless Housing — Panel Mount (PM/APM)

(CR4MDW-TMCA-2-Z-PM/APM)

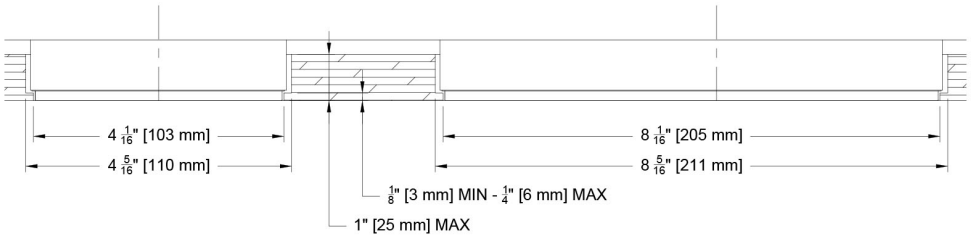
NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.



Hanger Bar Detail



Panel Mount Detail



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Core 4" Rectangular Multiple Adjustable Downlight/Wall Wash - 2 Cell

Formerly known as 1240AW

Recessed Adjustable Multiple Aperture (Cell)

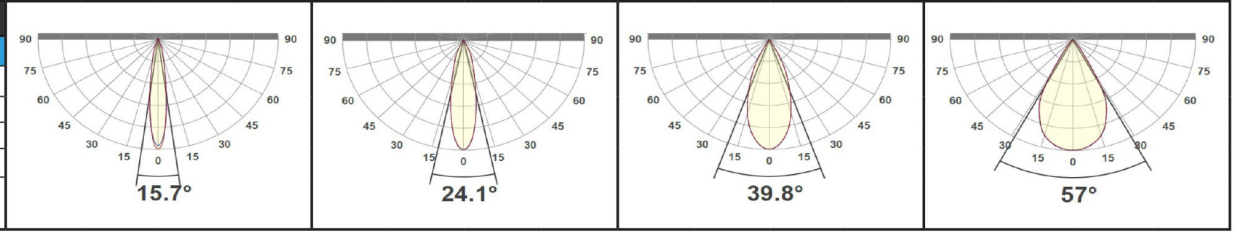
Photometric Table

All data is based from goniometer measurements of production representative single cell fixture. Multiple heads 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 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	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°
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°
	Citizen CZ8*	30	1525	51	14258	32°	1355	45	7604	44°	1322	44	4375	53°	1216	41	2496	59°
	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

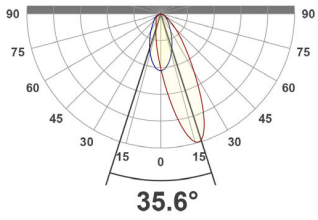
All measurements based on 3000 CCT.



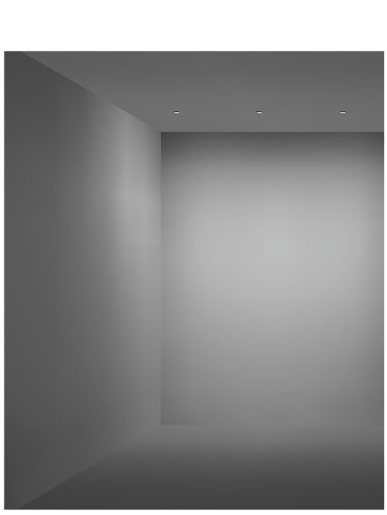
All Measurements delivered or derived delivered lumens based on 3000K. ISO CD plots based on Open Regress. Ambient dim at full output. C28 source requires active cooling and must be used with NIC housing.
Flat (Pin Hole) at wider beam angles experience significant beam clipping - refer to PDF report for exact FWHM beam angle.

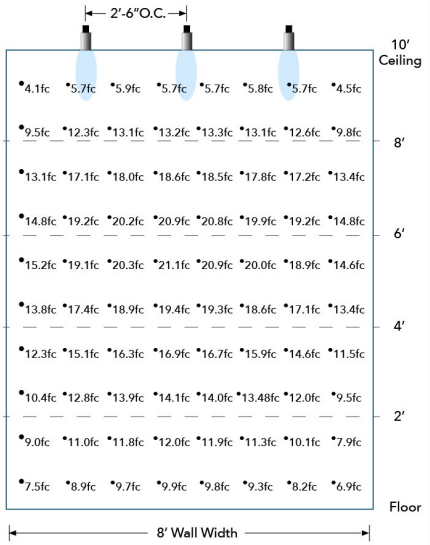
RECTANGULAR (2 Cell) Wall Wash (CR4WW-TMCA)			
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt
Citizen C14	14	679	49
Citizen C20	21	832	40
Citizen C28*	30	1069	35
Ambient Dim A14	15	461	31

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



All measurements are delivered or derived delivered lumens at 3000k . For other CCTs use the following multipliers: 2700 - 0.95, 3500 - 1.02, 4000, 1.03. Values are based on a single head Core 4" square wall wash (CR4WW-SF). 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 NIC housing





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 single cell C14 source at 679 lumens

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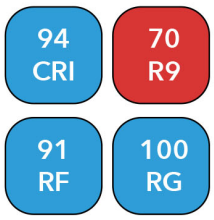
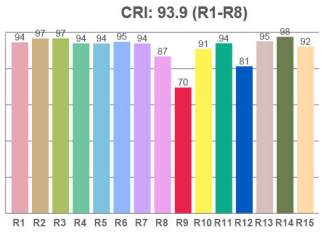
Color Data

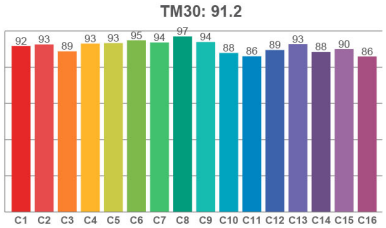
All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated nominal flux. Measurements at 3000 CCT

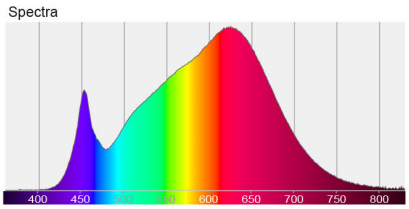
Citizen Sources for C14, 20 and C28

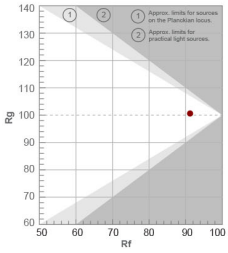
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1

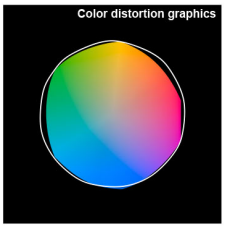


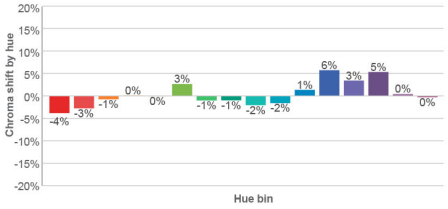






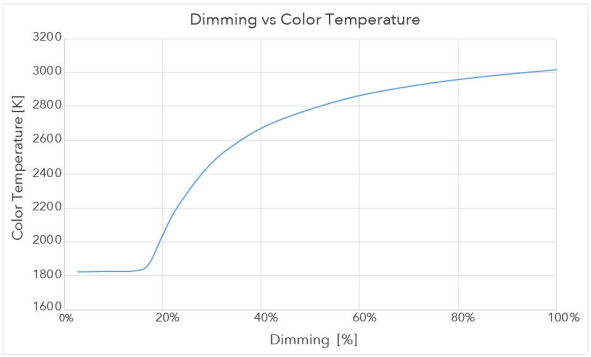




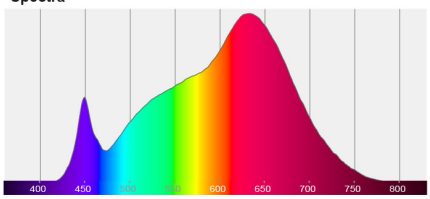


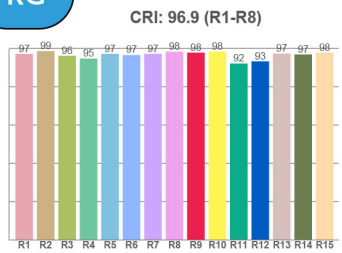
Ambient Dim 3000k to 1900k

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

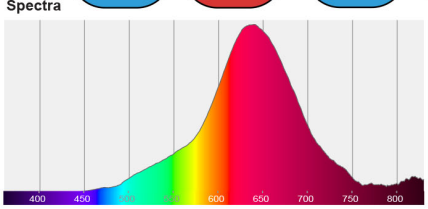


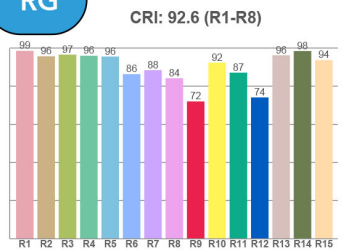
3000 CCT Full Output





1850 CCT 5% Output





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