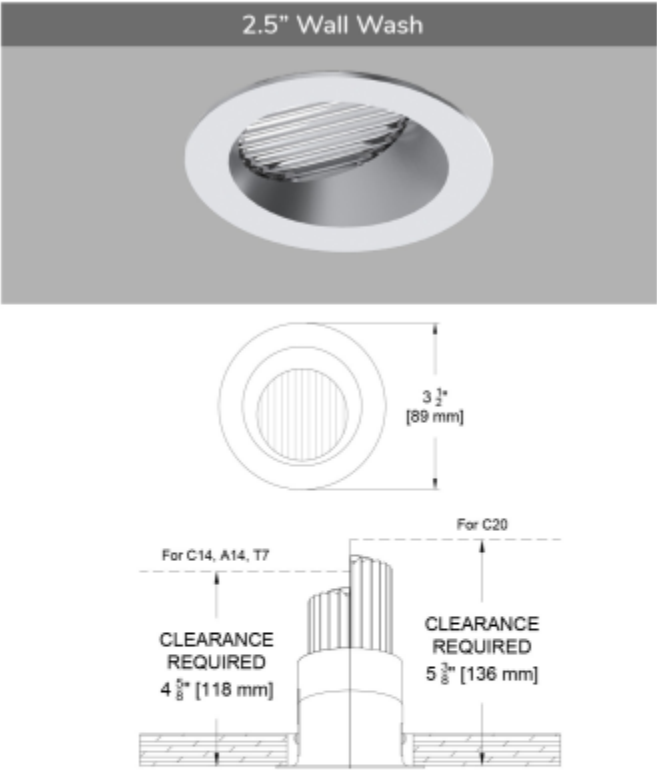


Scope Original

The Scope Original is a small aperture downlight family used to great acclaim in thousands of projects over the last 20 years . This is our most efficient Scope Wall Wash fixture. With an easy retrofit type mounting option, we have expanded the offering with more source technology lumen packages and control options. You have found the Round Wall Wash Datasheet and we hope you enjoy the details.



| ROUND Wall Wash                                                                                                    |                  |                       |              |         |
|--------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|--------------|---------|
| Source                                                                                                             | System watts (W) | Delivered Lumens (lm) | Lumens/ Watt | Peak cd |
| Citizen C14                                                                                                        | 14               | 1131                  | 81           | 1443    |
| Citizen C20                                                                                                        | 21               | 1540                  | 74           | 9929    |
| Ambient Dim A14                                                                                                    | 15               | 778                   | 53           | 1011    |
| Tunable White 1840                                                                                                 | 10               | 505                   | 49           | 753     |
| Tunable White 2765                                                                                                 | 10               | 621                   | 61           | 953     |
| Citizen and Ambient Dim data based on measurements at 3000k.<br>Tunable white data at midpoint CCT of color range. |                  |                       |              |         |

For additional information see Photometric table and notes on page 5

PROJECT: TYPE:  
SPECIFIER: DATE:

Key Points (SCOWW-R)

Trim

- Flange selection only
- Machined aluminum Body in USA
- 40 finish colors + custom and RAL available for trim flange and bezel. Finishes can be mixed and matched. See Finish Guide

Source / Optics

- 4:1 vertical illumination uniformity from top to bottom of 10' wall with 2.5' setback and 2.5' on center sapcing
- Up to 1540 delivered lumens
- <2 MacAdams Ellipses (<2 SDCM) for static white points
- 90+ CRI, 60+ R9 Standard, 95+ CRI, 90+ R9 available with Ambient Dim option
- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, RGBW & Tunable White options
-  Source meets California Tilte 24 Requirements to JA8

Housing

- Remodel mounting (wing springs) only
-  rated damp, wet with shower trim and for use with contact to insulation (IC/Airtight) but not spray foam

Driver And Control

- Universal 120-277v
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Drivers are integral with fixtures unless noted as remote mount with \* in ordering code options. "K can" type drivers do not fit through the 2.5" hole

Scope O 2.5" Round Wall Wash (64mm)

Formerly 4540  
Fixed Recessed Wall Wash

Ordering Codes

PROJECT: SPECIFIER:  
DATE: TYPE: QUANTITY:

Ordering Code Example: SCOWW-R-F-C20-30-C1-A32-P14-LR

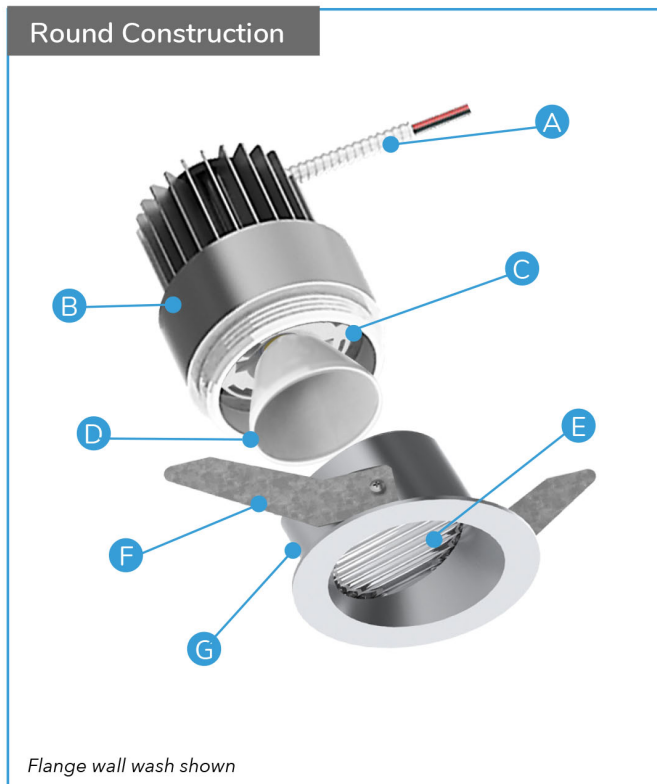
| FIXTURE                               | TRIM                                               | SOURCE / WATTS                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CCT                                                                                                                                                                                                                                                                                                                                                                                                                          | DRIVER / CONTROL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BEZEL FINISH                                                                                                                                                                                                                                                  | TRIM FINISH                                                                                                                                                                                                                                                                                                                                                | ACCESSORIES                                                                                                                                                                                                                                                         |
|---------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCOWW-R                               |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                     |
| Scope Original 2.5" Wall Wash - Round | F<br>Flanged Trim<br><br>FS<br>Flanged Shower Trim | Citizen<br><br>C14 ●●●<br>14W<br>1131Lm<br>90+CRI, 60+R9<br><br>C20 ●●●<br>21W<br>1540Lm<br>90+CRI, 60+R9<br><br>Tunable<br><br>T7 ●●●<br>10W<br>90+CRI,<br>Tunable White<br><br>T20 ●●●<br>21W<br>1490Lm*<br>90+CRI, 60+R9<br>Tunable White<br><br>Ambient Dim™<br><br>A14 ●●●<br>15W<br>95+CRI,<br><br>A20 ●●●<br>21W<br>95+CRI,<br><br>●●● CA Title 24<br>Compliant<br><br>+LTT or EidoLED driver<br>selection required and<br>will be supplied with 2<br>channel version | 24<br>2400K<br><br>27<br>2700K<br><br>30<br>3000K<br><br>35<br>3500K<br><br>40<br>4000K<br><br>Tunable<br><br>TW1840<br>1800-4000K<br>Tunable White<br>w/ E1, E2, E3, E4<br><br>TW2765<br>2700-6500K<br>Tunable White<br>w/ E1, E2, E3, E4<br><br>Ambient Dim™<br><br>2722*<br>2700-2200K<br>*A14 Only<br><br>3019<br>3000-1900K<br><br>3022 *<br>3000-2200K<br>*A14 Only<br><br>* Not compliant with<br>California Title 24 | C1<br>0-10<br>1.0%, UNV (120-277V)<br>linear<br><br>C2<br>ELV/Triac<br>1.0%, (120V) linear<br><br>E1<br>0-10*<br>0.1%, UNV (120-277V)<br>log<br><br>E2<br>DALI-2*<br>0.1%, UNV (120-277V)<br>log<br><br>E3<br>0-10*<br>0.1%, UNV (120-277V)<br>linear<br><br>E4 *<br>DMX<br>0.1%, UNV (120-277V)<br>Universal DMX<br>Driver/Controller<br>RGBWW-DMX<br>(INCLUDES DMX/RDM<br>COMPATIBLE DRIVER<br>WITH BUILT-IN<br>DECODER -<br>CONTROLLER BY<br>OTHERS)<br><br>LD<br>Digital Ecosystem*<br>1.0%, UNV (120-277V)<br>ECO Hi-Lume<br>SoftOn/Fade-to-Black<br>LDE1<br><br>TR2<br>TruPhase™<br>0.1%, (100-277V) linear<br>Up to 20W<br>Forward and Reverse<br>compatible Phase<br>Dimming<br>Static White & Ambient<br>Dim only<br><br>* Requires remote<br>mounting | A01<br>Black Anodize<br><br><br>A32<br>Clear Aluminum<br>Anodize<br><br><br>AXX<br>Specialty Anodize<br>colors*<br><br><br>W<br>White Paint<br><br><br>PXX<br>Specialty Paint Color*<br><br><br>C<br>Custom/RAL Color<br>Paint*<br><br><br>* See Finish Guide | A01<br>Black Anodize<br><br><br>A32<br>Clear Aluminum<br>Anodize<br><br><br>AXX<br>Specialty anodize<br>color*<br><br><br>W<br>White Paint<br><br><br>PXX<br>Specialty Paint Color*<br><br><br>C<br>Custom/RAL Color<br>Paint*<br><br><br>K<br>Blank for use with<br>Flangeless or Panel<br>Mount other than<br>wood<br><br><br>* See Finish Guide<br><br> | CP<br>Chicago Plenum<br><br>EM<br>Emergency Pack<br><br>Controls<br><br>LR<br>Lutron Wireless RF<br>PowPak<br><br>ATH<br>Lutron Athena<br>Wireless Node<br>Must be used with E2<br>driver (DALI-2)<br><br>CA<br>Casambi<br>Wireless BLE to be<br>paired with driver |

# Scope O 2.5" Round Wall Wash (64mm)

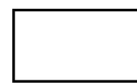
Formerly 4540

Fixed Recessed Wall Wash

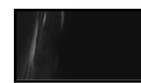
## Fixture Details



### Flanged Finish Options



White  
P14



A01 Black  
Anodize



A32 Clear  
Anodize



A1-A36  
Anodized  
AXX



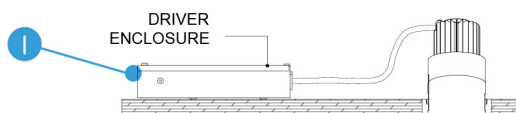
P01-P26  
Powder Coat  
PXX



Custom  
C

### Standard Assembly Specs

- A 22AWG wire to Driver. Enclosed in flexible conduit connected to driver enclosure.
- B Thermal management system and body. High grade anodized aluminum, precision machined in the U.S.A.
- C LED assembly- Field serviceable as part of thermal management system
- D Primary optic- Field changeable
- E Spreader Lens- Borosilicate glass
- F Wing Spring- for attachment to sheetrock or other ceiling materials accomodating up to 1 1/4" ceiling thickness
- G Receiver- High grade aluminum precision machined in the U.S.A. with integral flange
- I Driver and enclosure – UL approved for IC- Requires remote mounting



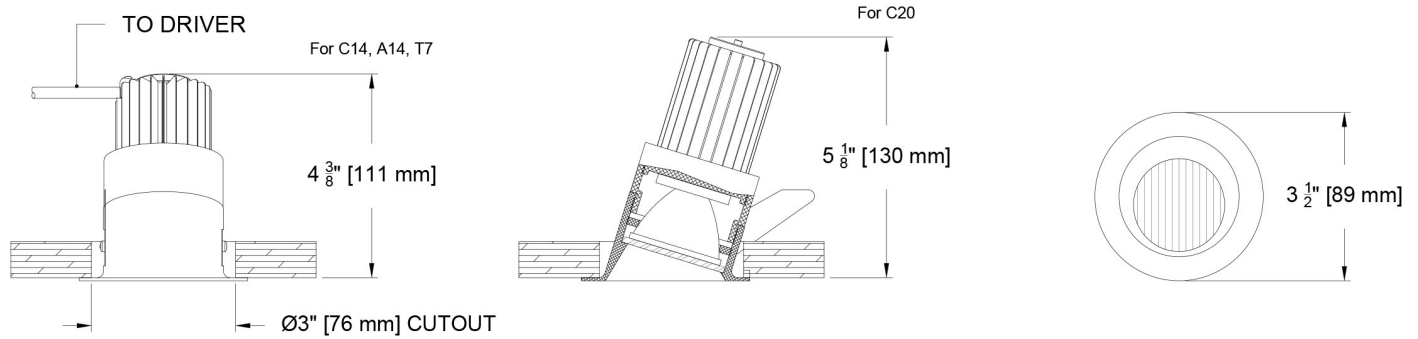
# Ceiling Cutouts and Dimensions

No housing or pan for this product - attach direct to ceiling.

## Round Remodel

## Flanged Trim (F)

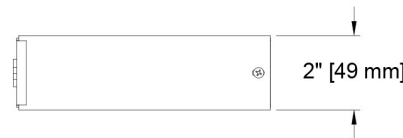
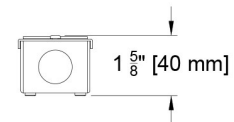
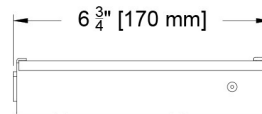
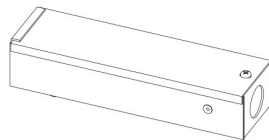
(SCO3WW-R-F-RM-)



## Driver Enclosure

for C1, C2, TR2

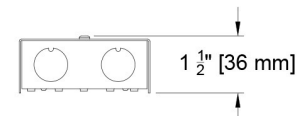
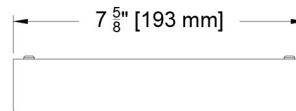
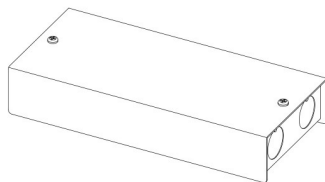
INTEGRAL WITH FIXTURE



## Driver Enclosure

for E1, E2, E3, E4, L3, LD

REMOTE MOUNTING REQUIRED



Scope O 2.5" Round Wall Wash (64mm)

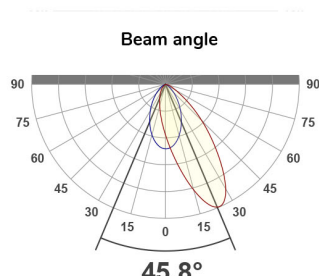
Formerly 4540

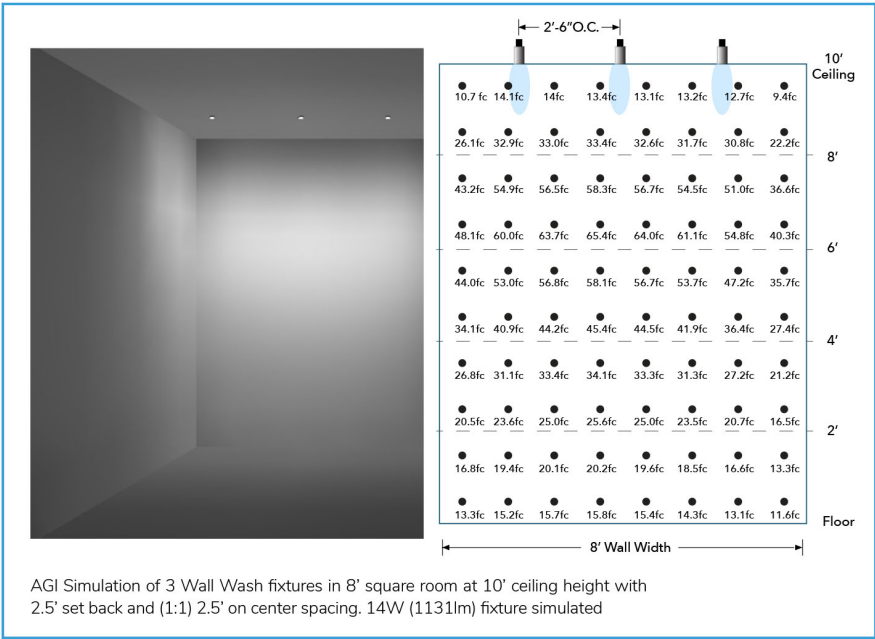
Fixed Recessed Wall Wash

Photometric Table All data are delivered lumens based on goniometer measurements of production representative product All values can vary +/-10% from source manufacturer rated flux range.

| ROUND Wall Wash                                                                                                                                                                                                                                        |                  |                       |              |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|--------------|---------|
| Source                                                                                                                                                                                                                                                 | System watts (W) | Delivered Lumens (lm) | Lumens/ Watt | Peak CD |
| Citizen CZ14                                                                                                                                                                                                                                           | 14               | 1131                  | 81           | 1443    |
| Citizen CZ20                                                                                                                                                                                                                                           | 21               | 1540                  | 74           | 9929    |
| Ambient Dim AD14                                                                                                                                                                                                                                       | 15               | 778                   | 53           | 1011    |
| Tunable White 1840                                                                                                                                                                                                                                     | 10               | 505                   | 49           | 753     |
| Tunable White 2765                                                                                                                                                                                                                                     | 10               | 621                   | 61           | 953     |
| CCT Multiplier                                                                                                                                                                                                                                         |                  |                       |              |         |
| CCT                                                                                                                                                                                                                                                    | Citizen          |                       |              |         |
| 2700                                                                                                                                                                                                                                                   | 0.95             |                       |              |         |
| 3000                                                                                                                                                                                                                                                   | 1.00             |                       |              |         |
| 3500                                                                                                                                                                                                                                                   | 1.02             |                       |              |         |
| 4000                                                                                                                                                                                                                                                   | 1.03             |                       |              |         |
| <div>All Measurements 3000K unless otherwise noted below. Ambient dim measured at full output. Tunable White measurements at mid-point CCT of range (2700k for 1840 and 4500k for 2765). All sources meet CA Title 24 JAB efficacy requirements.</div> |                  |                       |              |         |

Beam angle



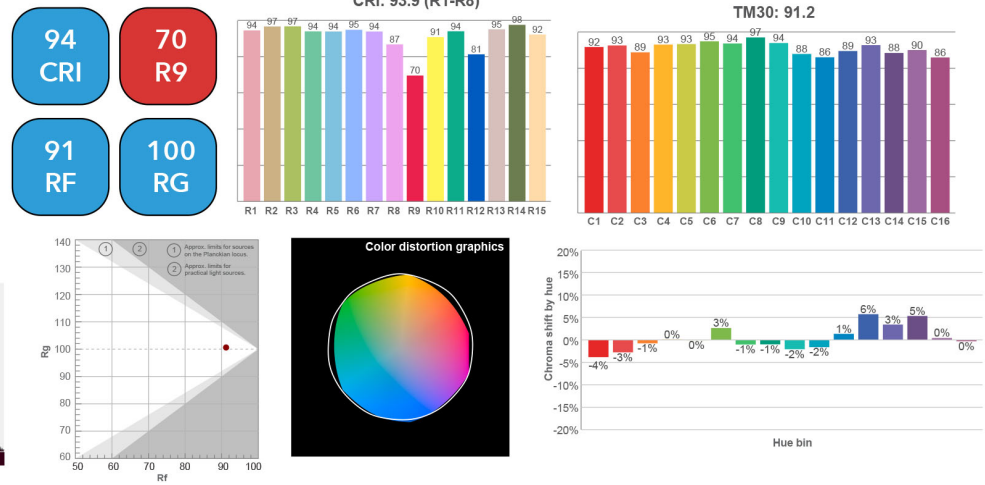


## Color Data

All data below are delivered lumens. Color and flux information based on goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer rated data range.

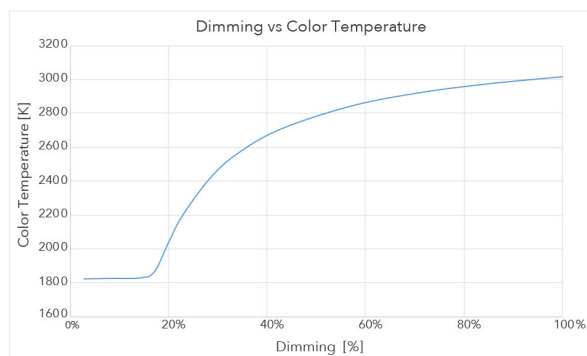
### Citizen C14 and C20

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

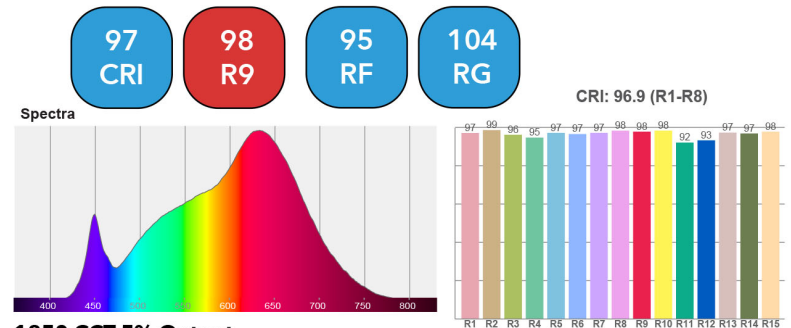


### Ambient Dim - 3000k to 1900k

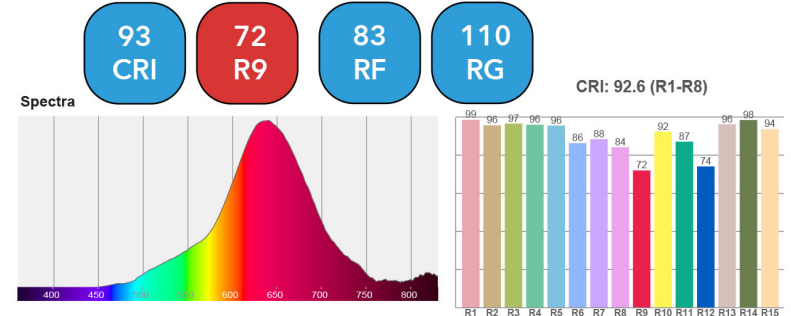
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



#### 3000 CCT Full Output



#### 1850 CCT 5% Output





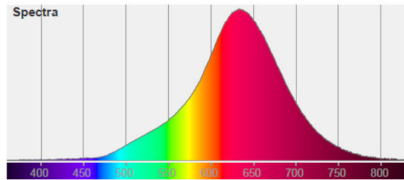
## Tunable White - 1800k to 4000k

- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 76 R9 average across all CCTs
- Available in both wired or wireless control

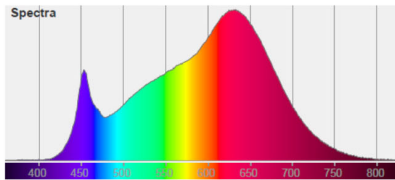
| Color Temp           | TUNABLE WHITE - 1800-4000K |      |      |      |      |      |      |
|----------------------|----------------------------|------|------|------|------|------|------|
|                      | 1800                       | 2200 | 2500 | 2700 | 3000 | 3500 | 4000 |
| System Watts         | 12                         | 12   | 12   | 12   | 12   | 12   | 12   |
| Delivered Lumens     | 422                        | 475  | 502  | 517  | 536  | 564  | 585  |
| Luminaire Efficiency | 33                         | 38   | 41   | 42   | 44   | 48   | 50   |

Flux and color data based on 2700 CCT 20° measurement. All values are delivered.

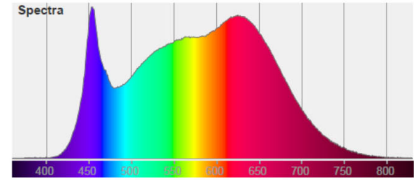
Spectral Power Distributions at all listed CCTs available upon request



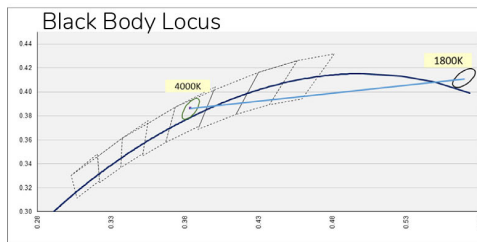
1800K



3000K



4000K



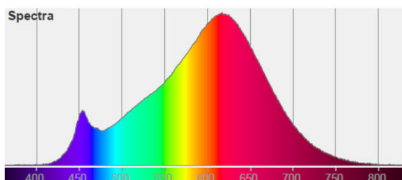
## Tunable White - 2700k to 6500k

- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 96 R9 average across all CCTs
- Available in both wired or wireless control

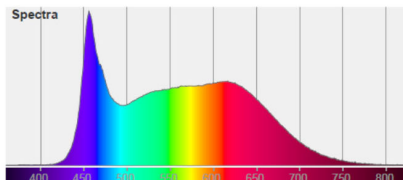
| Color Temp           | TUNABLE WHITE - 2700-6500K |      |      |      |      |      |      |      |      |
|----------------------|----------------------------|------|------|------|------|------|------|------|------|
|                      | 2700                       | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 |
| System Watts         | 12                         | 12   | 12   | 12   | 12   | 12   | 12   | 12   | 12   |
| Delivered Lumens     | 586                        | 597  | 611  | 618  | 622  | 626  | 622  | 619  | 621  |
| Luminaire Efficiency | 46                         | 48   | 50   | 51   | 52   | 52   | 52   | 52   | 52   |

Flux and color data based on 20° measurement at 2700 CCT.

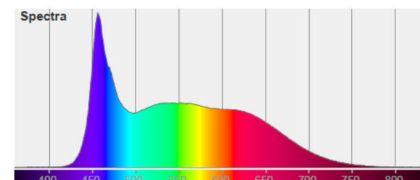
Spectral Power Distributions at all listed CCTs available upon request



2700K



5000K



6500K

