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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.

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
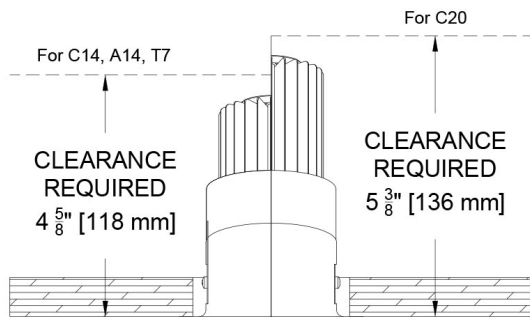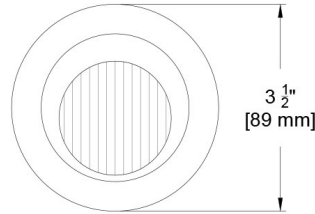
Source / Optics
- 4:1 vertical illumination uniformity from top to bottom of 10' wall with 2.5' setback and 2.5' on center sacping
- Up to 1540 delivered lumens
- <2 MacAdams Ellipses (<2 SDCM) for static white points
- 90+ CRI, 60+ R9 Standard, 95+ CRI, 90+ R9 available with Ambient Dim option
- 2700, 3000, 3500, 4000K, Ambient Dim (1900K to 3000K) and Tunable White with 2 available ranges (1800 to 4000K and 2700 to 6500K)
- TITLE 24 Source meets California Tilte 24 Requirements to JA8

Housing
- Remodel mounting (wing springs) only
- c⊕us 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
- Phase, 0-10, DALI, 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 throgh the 2.5" hole

2.5" Wall Wash

$3\frac{1}{2}$"
[89 mm]

For C20

For C14, A14, T7

CLEARANCE REQUIRED
$4\frac{5}{8}$" [118 mm]

CLEARANCE REQUIRED
$5\frac{3}{8}$" [136 mm]

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. Tunable white data at midpoint CCT of color range.				

For additional information see Photometric table and notes on page 5

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Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

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

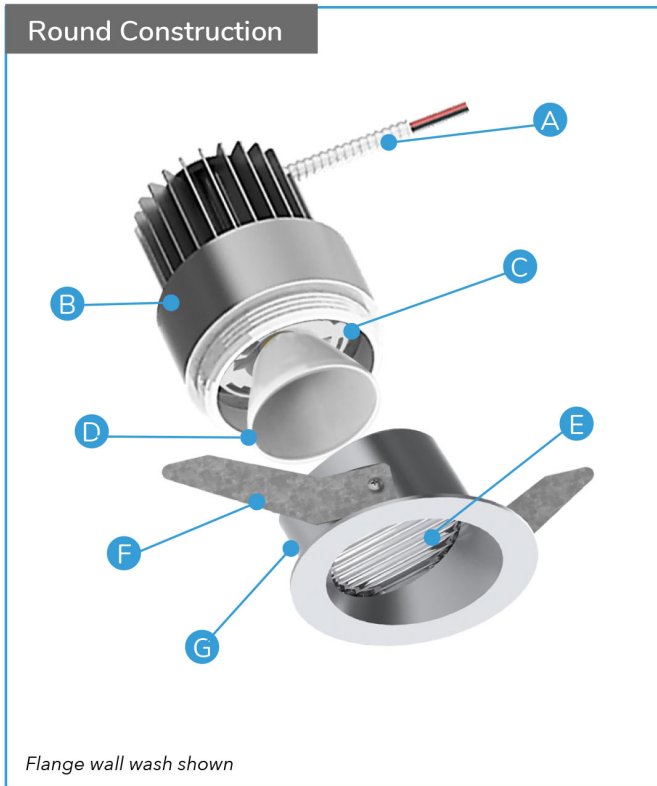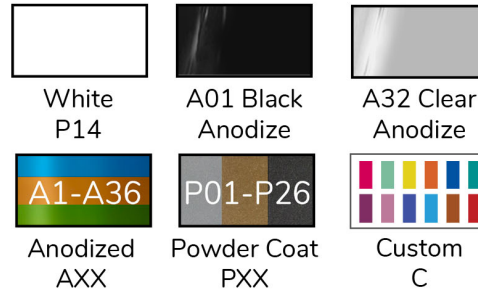| FIXTURE	TRIM	SOURCE / WATTS	CCT	DRIVER / CONTROL	BEZEL FINISH	TRIM FINISH	ACCESSORIES
SCOWW-R							
Scope Original 2.5" Wall Wash - Round	**F** Flanged Trim **FS** Flanged Shower Trim	**Citizen** **C14** ●● 14W 1131Lm 90+CRI, 60+R9 **C20** ●● 21W 1540Lm 90+CRI, 60+R9 **Ambient Dim** **A14** ●● 15W 778Lm 95+CRI, 90+R9 3000k to 1900k **INK** **T7** ●● 10W 621Lm* 90+CRI, 70+R9 Tunable White+ ●● CA Title 24 Compliant *2765 CCT +LTT or EldoLED driver selection required and will be supplied with 2 channel version	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **Ambient Dim** **AD** 3000-1900K **INK** **1840** 1800-4000K Tunable White **2765** 2700-6500K Tunable White * Not compliant with California Title 24	**C1** 0-10 1.0%, UNV (120-277V) linear **C2** ELV/Triac 1.0%, (120V) linear **EldoLED** **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 **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 **LTT** Digital* 1.0%, UNV (120-277V) T Series digital 2-channel Tunable White PSQD * Requires remote mounting	**A01** Black Anodize **A32** Clear Aluminum Anodize **AXX** Specialty Anodize colors* A1-A36 **W** White Paint **PXX** Specialty Paint Color* P01-P15 **C** Custom/RAL Color Paint* * See Finish Guide	**A01** Black Anodize **A32** Clear Aluminum Anodize **AXX** Specialty anodize color* A1-A36 **W** White Paint **PXX** Specialty Paint Color* P01-P15 **C** Custom/RAL Color Paint* **K** Blank for use with Flangeless or Panel Mount other than wood * See Finish Guide FINISH GUIDE LINK	**CP** Chicago Plenum **EM** Emergency Pack **Controls** **LR** Lutron Wireless RF PowPak **ATH** Lutron Athena Wireless Node *Must be used with E2 driver (DALI-2)* **CA** Casambi Wireless BLE to be paired with driver

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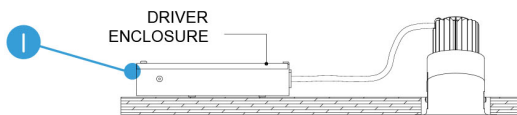
Fixture Details

Round Construction

Flange wall wash shown

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

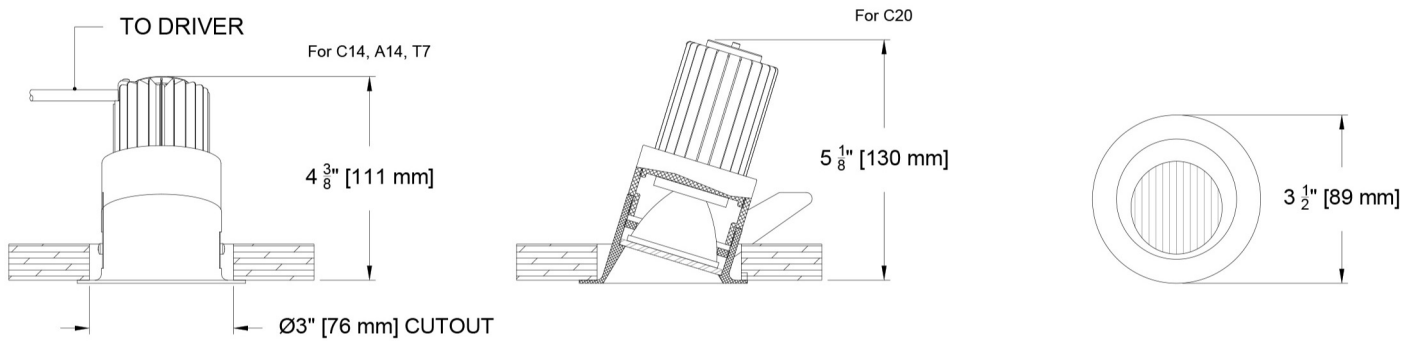**I** Driver and enclosure – UL approved for IC- Requires remote mounting

Flanged Finish Options

White P14	A01 Black Anodize	A32 Clear Anodize
Anodized AXX (A1-A36)	Powder Coat PXX (P01-P26)	Custom C

DRIVER ENCLOSURE

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Scope O 2.5" Round Wall Wash (64mm)

Formerly 4540
Fixed Recessed Wall Wash

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Ceiling Cutouts and Dimensions

No housing or pan for this product - attach direct to ceiling.
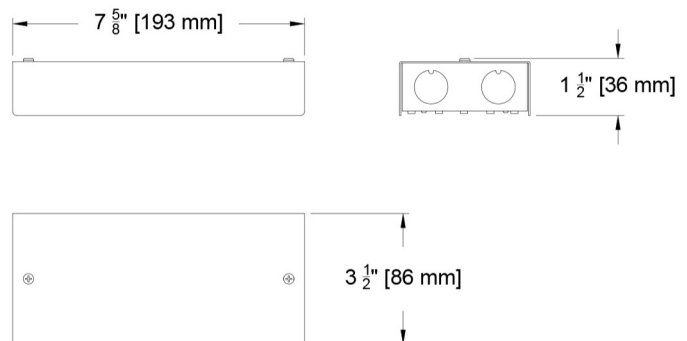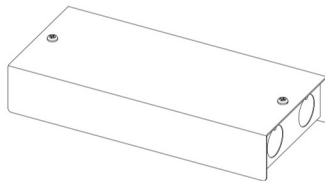
Round Remodel | Flanged Trim (F)

(SCO3WW-R-F-RM-)

TO DRIVER

For C14, A14, T7

4 $\frac{3}{8}$" [111 mm]

For C20

5 $\frac{1}{8}$" [130 mm]

3 $\frac{1}{2}$" [89 mm]

Ø3" [76 mm] CUTOUT

Driver Enclosure | for C1, LTP

INTEGRAL WITH FIXTURE

6 $\frac{3}{4}$" [170 mm]

1 $\frac{5}{8}$" [40 mm]

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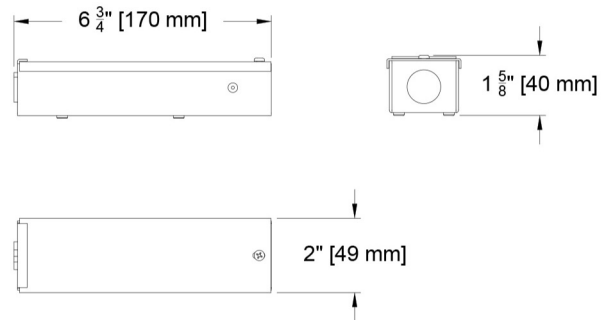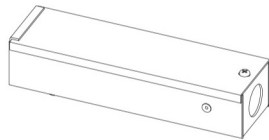
Driver Enclosure | for E1, E2, E3, E4, L3, LD

REMOTE MOUNTING REQUIRED

7 $\frac{5}{8}$" [193 mm]

1 $\frac{1}{2}$" [36 mm]

3 $\frac{1}{2}$" [86 mm]

Scope O 2.5" Round Wall Wash (64mm)
Formerly 4540
Fixed Recessed Wall Wash

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Photometric Table

All data are delivered lumens based on goniometer measurements of production representative product All values can very +/-10% from source manufacturer rated flux range.
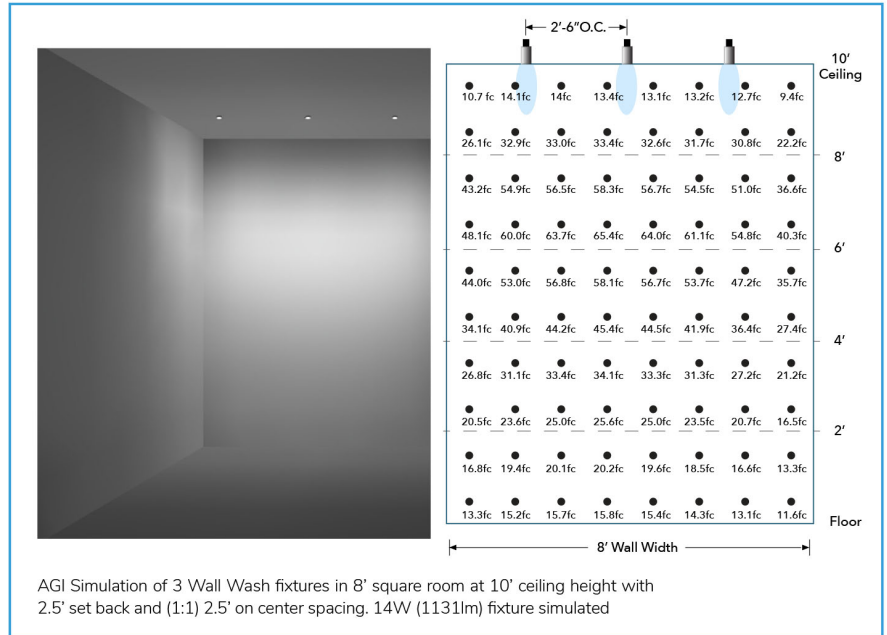
ROUND Wall Wash				
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD
Citizen CZ14	14	1131	81	1443
Citizen CZ20	21	1540	74	9929
Ambient Dim AD14	15	778	53	1011
Tunable White 1840	10	505	49	753
Tunable White 2765	10	621	61	953

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

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 JA8 efficacy requirements.
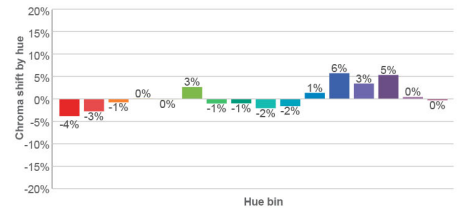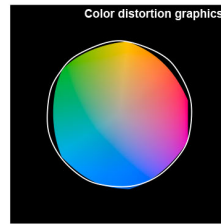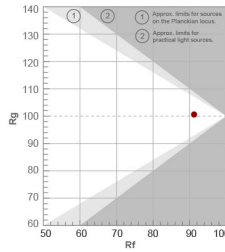
Beam angle

45.8°

AGI Simulation of 3 Wall Wash fixtures in 8' square room at 10' ceiling height with 2.5' set back and (1:1) 2.5' on center spacing. 14W (1131lm) fixture simulated

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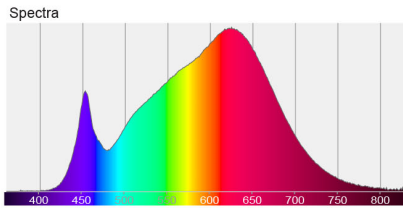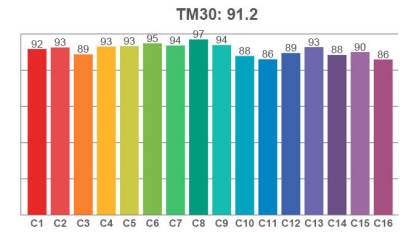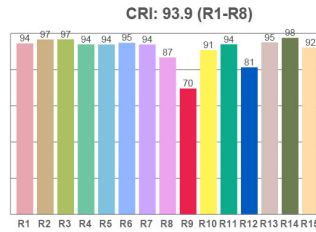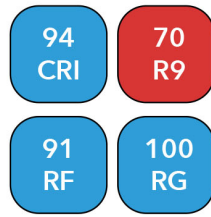Tel. 732.517.0800 | Fax 732.517.0971

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.
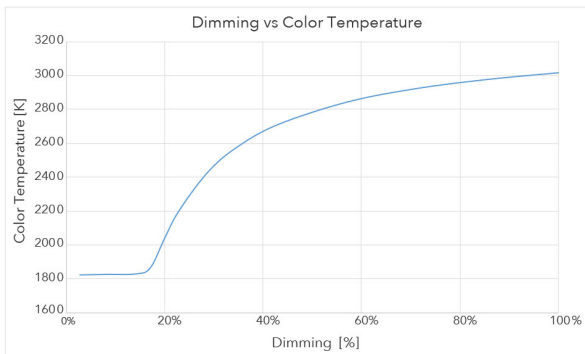
Citizen C14 and C20

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

94 CRI	70 R9
91 RF	100 RG

CRI: 93.9 (R1-R8)
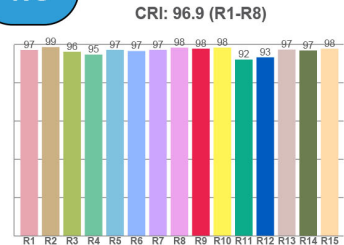
TM30: 91.2

Spectra

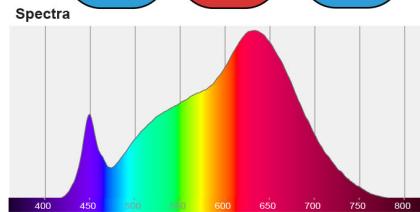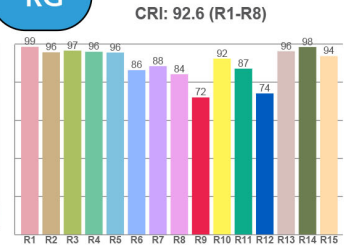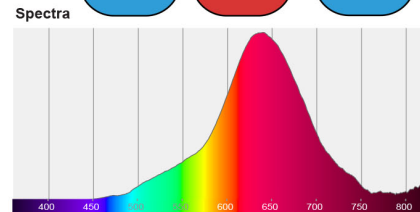**Color distortion graphics**

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)

Dimming vs Color Temperature

1850 CCT 5% Output

93 CRI	72 R9	83 RF	110 RG

Spectra

CRI: 92.6 (R1-R8)

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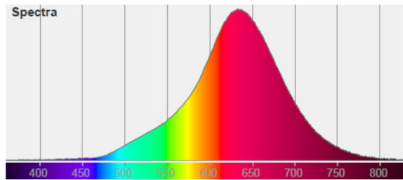
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Tunable White - 1800k to 4000k

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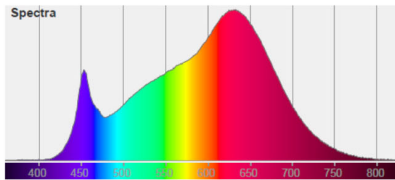- Available in both wired or wireless control

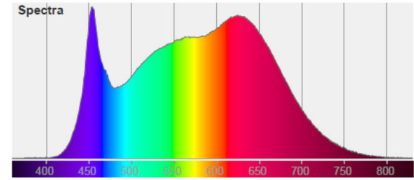| INK	TUNABLE WHITE - 1800-4000K						
Color Temp	1800	2200	2500	2700	3000	3500	4000
System Watts	12	12	12	12	12	12	12
Delivered Lumens	422	475	502	517	536	564	585
Luminaire Efficiency	33	38	41	42	44	48	50
Flux and color data based on 2700 CCT 20° measurement. All values are delivered.							

Spectral Power Distributions at all listed CCTs available upon request

1800K

3000K

4000K

94 CRI **76 R9**

89 RF **97 RG**

Black Body Locus

1800K — 4000K
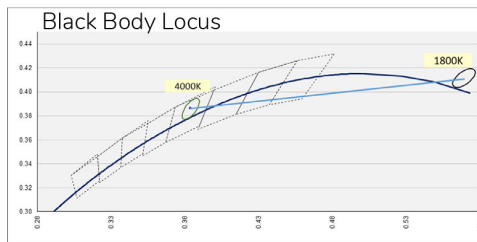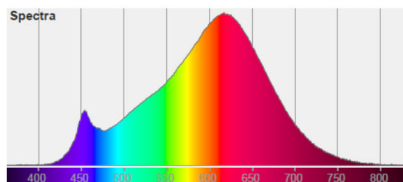
Tunable White - 2700k to 6500k

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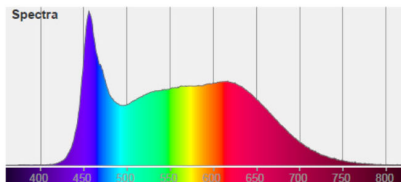- Available in both wired or wireless control

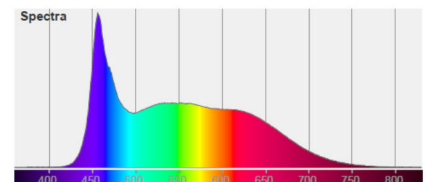| INK	TUNABLE WHITE - 2700-6500K								
Color Temp	2700	3000	3500	4000	4500	5000	5500	6000	6500
System Watts	12	12	12	12	12	12	12	12	12
Delivered Lumens	586	597	611	618	622	626	622	619	621
Luminaire Efficiency	46	48	50	51	52	52	52	52	52
Flux and color data based on 20° measurement at 2700 CCT.									

Spectral Power Distributions at all listed CCTs available upon request

2700K

5000K

6500K

96 CRI **76 R9**

91 RF **99 RG**

Black Body Locus

2700K — 6500K

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