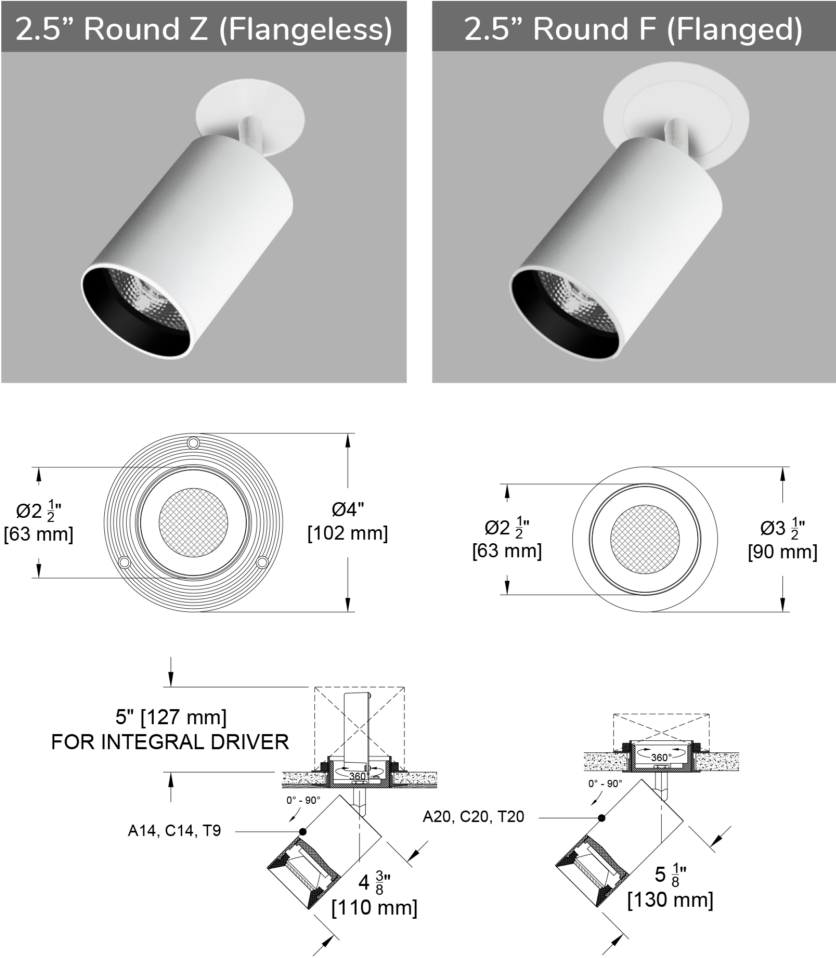


Scope Original

The Scope Monopoint offers 4 standard mounting conditions, the system is highly flexible and facilitates modifications. If you need a mounting condition you don't see, just ask. The Monopoint offers most of the same sources and drivers as it's downlight kin allowing flawless transition from recessed to exposed fixtures. Last but not least, the aluminum components, machined in New Jersey, allow for powder coat painting or anodize, opening our full pallet of 40 standard finishes plus the option for RAL# or custom paint match.



PROJECT: TYPE:

SPECIFIER: DATE:

Key Points (SCOM-RA)

Housing

- CSA listed to UL 1598 - damp rated
- Precision CNC machined aluminum in New Jersey
- 40 finish options + Custom/RAL#
- Multiple mounting options, including sloped ceilings
- Flanged (can be used in wood or GWB), Flangeless, or Panel Trim (millwork)
- Adjustable 360° degree rotation and 90° degree tilt

Source / Optics

- 4 beam spreads - 20°, 28°, 40° and 60°
- Up to 1307 delivered lumens
- <2 MacAdams Ellipses (<2 SDCM) for fixed white
- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, RGBWW, Tunable White options
- 90+ CRI, 60+ R9 Standard, 95+ CRI, 90+ R9 available with Ambient Dim option
- Supports CA Tilt 24 Requirements to JA8 in most configurations
- Lifetime: L87B3>55,000 hours at 40°C Ambient

Driver And Control

- Drivers integral with fixture in some mounting options - see drawings
- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- Universal 120-277v

Finish Options - See finish guide for full spectrum of colors



Ordering Codes

PROJECT: SPECIFIER:
DATE: TYPE: QUANTITY:

Ordering Code Example: SCOM-RA-F-SM-C14-30-35-C1-A01-91L

FIXTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	HEAD FINISH	ACCESSORIES
SCOM-RA								
Scope Original 2.5" Monopoint - Round	Standard (2.5") F Flanged Trim Z Flangeless Trim Canopy (4") CP Canopy Plate for use with 4" Diameter Pancake Box/Octagonal Box Mounting Notes: * Deep double gang Handy box supplied by others for driver enclosure ^ Double gang Handy box supplied by others for fixture mount and low voltage wiring	SM Surface Mount *†# SMR Surface Mount ^ Δ SCSMR Sloped Ceiling Surface Mount ^ Δ (furnished with Hang-Straight) SMLJB - Surface Mount † Large Junction Box PM Panel Mount *†# PMR Panel Mount ^ Δ SCPMR Sloped Ceiling Panel Mount^ (Remote driver, furnished with Hang-Straight) SCPM Sloped Wood Ceiling Panel Mount ^ † Shallow Panel Installation SHPM Shallow Panel Mount Δ Retro-fit Installation SHM Shallow Surface Mount Δ Pancake/Octagonal J-Box Installation CM Canopy Mount Δ # - Bracket Pan available - Add #BP after mounting option † Integral Driver Δ Remote Driver	C14 ●● 14W 1292Lm* 90+CRI, 60+R9 C20 ●● 21W 1450Lm** 90+CRI, 60+R9 Tunable T9 8W 96+CRI, 88+R9 Tunable White T14 90+CRI, 60+R9 Tunable White T20 ●● 21W 90+CRI, 60+R9 Tunable White RGBWW 13W 1346Lm 96+CRI, 93+R9 *E4 Only Ambient Dim™ A14 ●● 15W 95+CRI, 90+R9 A20 ●● 21W 95+CRI, 90+R9 ●● Supports CA Title 24 compliance to JA8 requirements (except 1840 20" and 40") *Based on 28° Beam ** Based on 20° Beam & 2977 CCT	24 2400K 27 2700K 30 3000K 35 3500K 40 4000K 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	15 Spot 20 Spot 28 Narrow Flood^ 40 Flood 60 Wide Flood^ ^Not Available in (T9) Tunable White	C1 0-10^ 1.0%, UNV (120-277V) linear C2 ELV/Triac 1.0%, (120-277V) 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 TR2 TruPhase™ 0.1%, (100-277V) Up to 20W Forward and Reverse compatible Phase Dimming 2 Dimming Curves: Linear/Logarithmic Static White & Ambient Dim only LD Digital Ecosystem* 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1 * Requires remote mounting	AM01 Black Matte Anodize^ AMXX Specialty Matte Anodize Color^^ AM1-AM36 A32 Clear Anodize^ AXX Specialty Anodize Color^^ A1-A36 W White Paint^ PXX Specialty Paint Color^^ P01-P15 B05 Satin Brass^ BXX Brass Finishes^^ B01-B07 ^Stem comes in selected color * See Finish Guide FINISH GUIDE LINK	Reflector (lamp) Media 97L Black Hexcel Louver* 91L Solite* XXL Other Reflector (lamp) Media* Other STM Stem standard length 3/4" For custom size, indicate in inches 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 LENS ACCESSORY VISUAL GUIDE LINK

Ceiling Cutouts and Dimensions

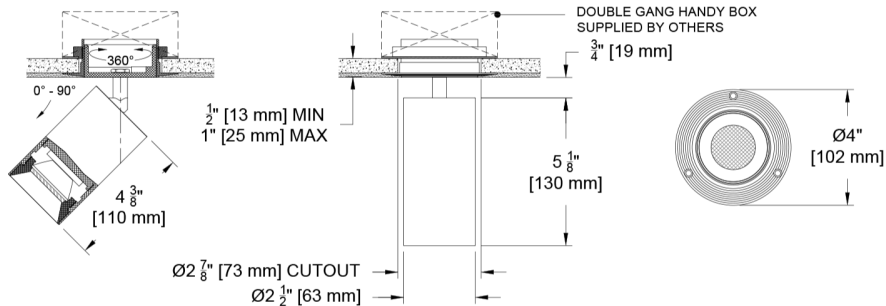
Flangeless Monopoint (Integral Driver)		Plaster Surface Mount (SM) (SCOM-RA-Z-SM-)	Integral Driver See <i>Integral Driver Detail</i> page for recessed depth and j-box configurations by driver type.
Flanged Monopoint (Integral Driver)		Flanged Surface Mount (SM) (SCOM-RA-F-SM-)	
Flangeless Monopoint (Integral Driver)		Panel Mount (PM) (SCOM-RA-Z-PM-)	Panel Mount Detail

Ceiling Cutouts and Dimensions

Flangeless Monopoint (Remote Driver)

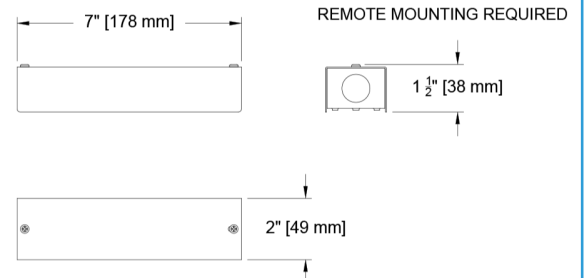
Plaster Surface Mount (SM#R)

(SCOM-RA-Z-SM#R-)



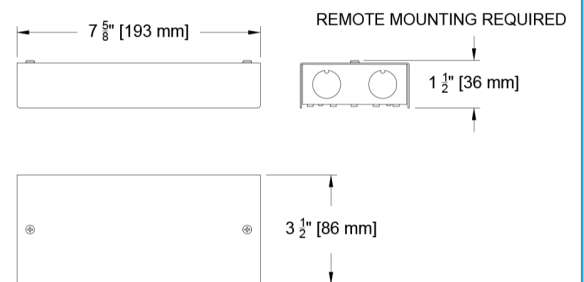
Remote Driver Box

for E1, E2, E3, C1, C2, TR2



Remote Driver Box

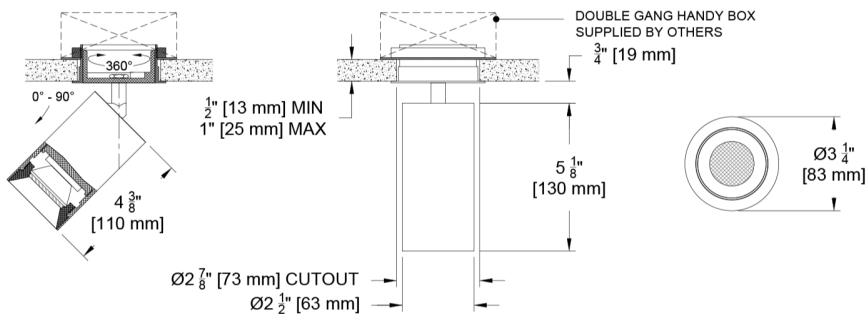
for E4, LD



Flanged Monopoint (Remote Driver)

Flanged Surface Mount (SM#R)

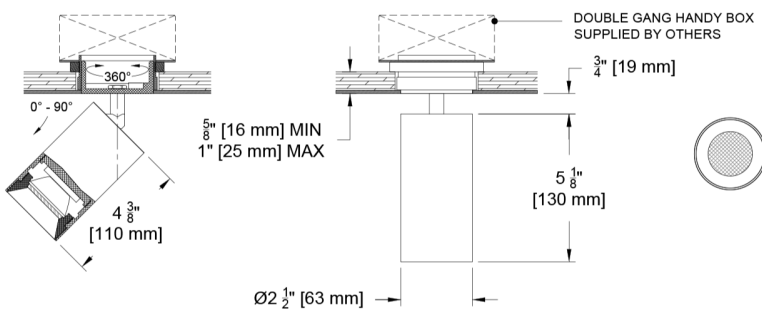
(SCOM-RA-F-SM#R-)



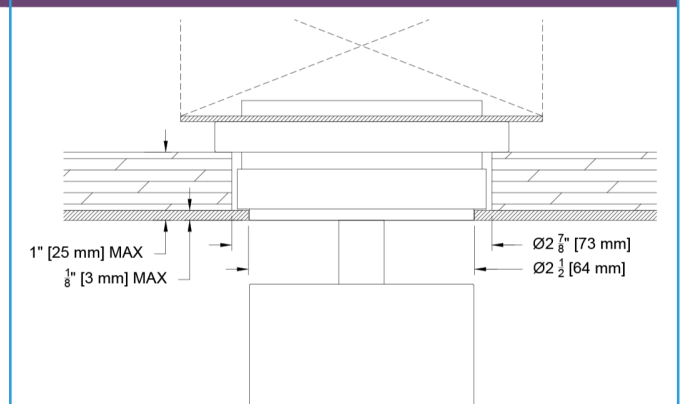
Flangeless Monopoint (Remote Driver)

Panel Mount (PM#R)

(SCOM-RA-Z-PM#R-)

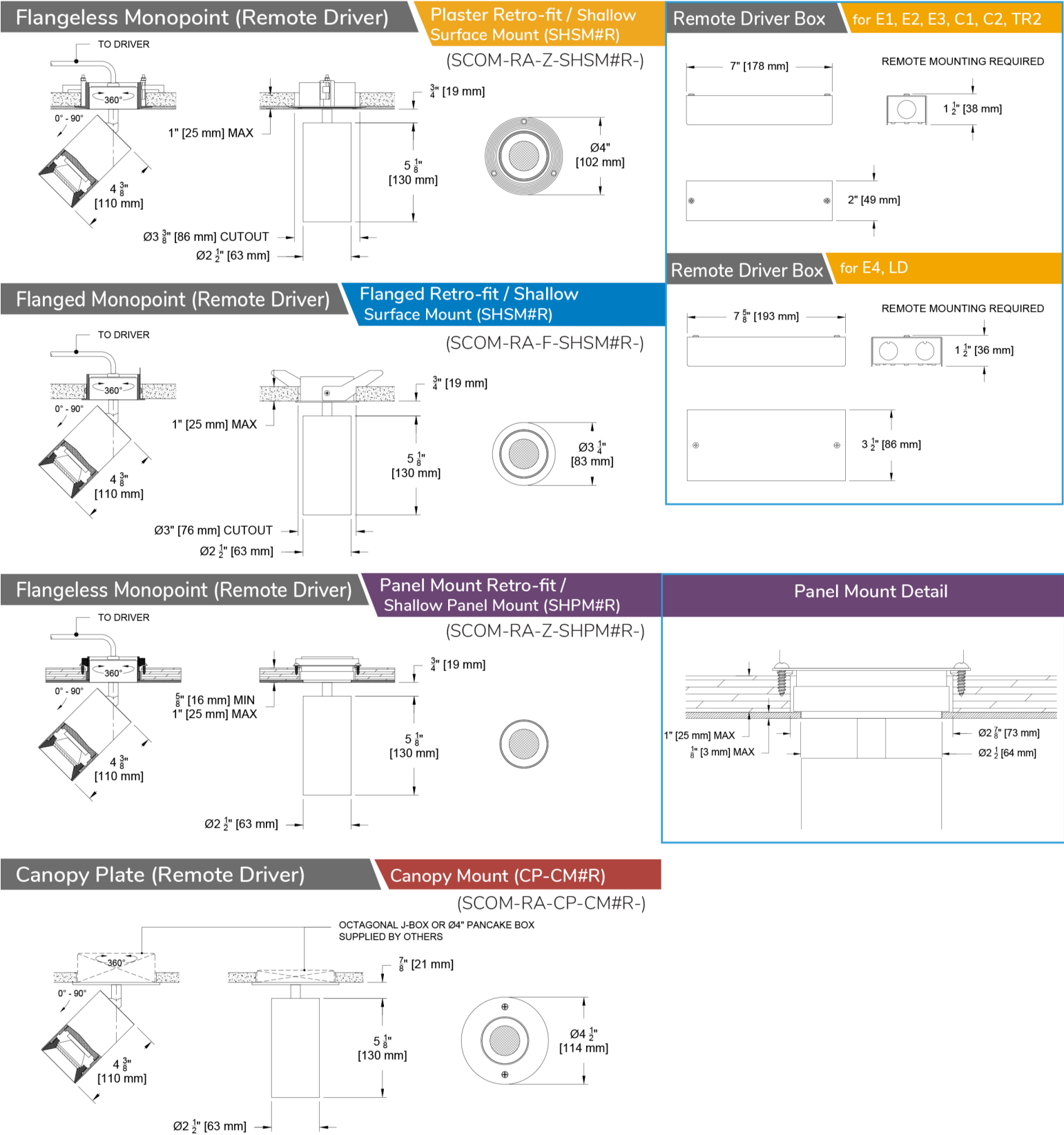


Panel Mount Detail



* Double gang handy box supplied by others for fixture mount & low voltage wiring

Ceiling Cutouts and Dimensions

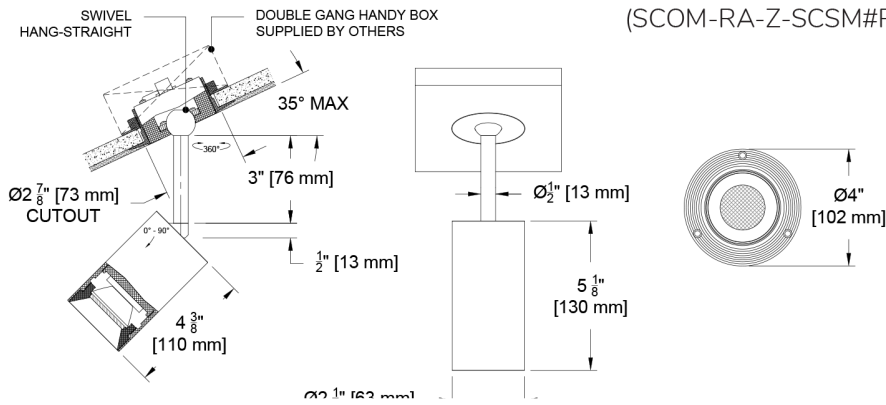


Ceiling Cutouts and Dimensions

Flangeless Monopoint (Remote Driver)

Plaster Surface Mount Sloped Ceiling Remote Driver (SCSM#R-)

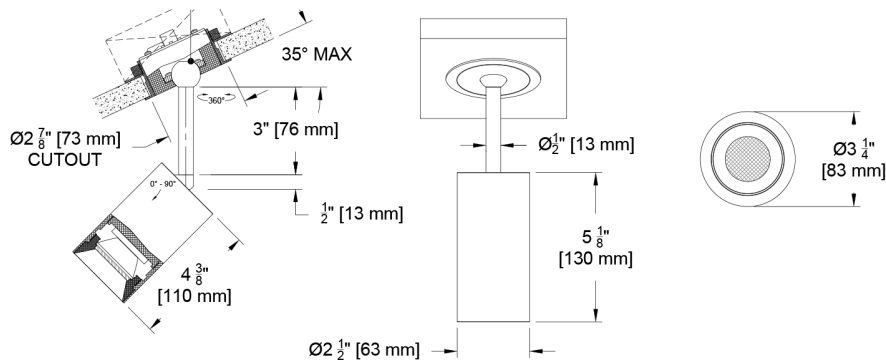
(SCOM-RA-Z-SCSM#R-)



Flanged Monopoint (Remote Driver)

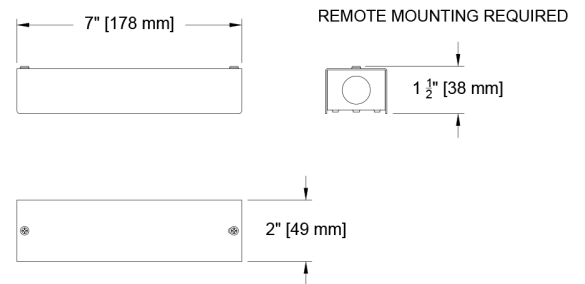
Flanged Surface Mount Sloped Ceiling Remote Driver (SCSM#R)

(SCOM-RA-F-SCSM#R-)



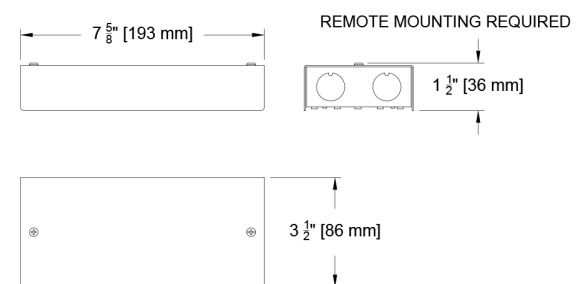
Remote Driver Box

for E1, E2, E3, C1, C2, TR2



Remote Driver Box

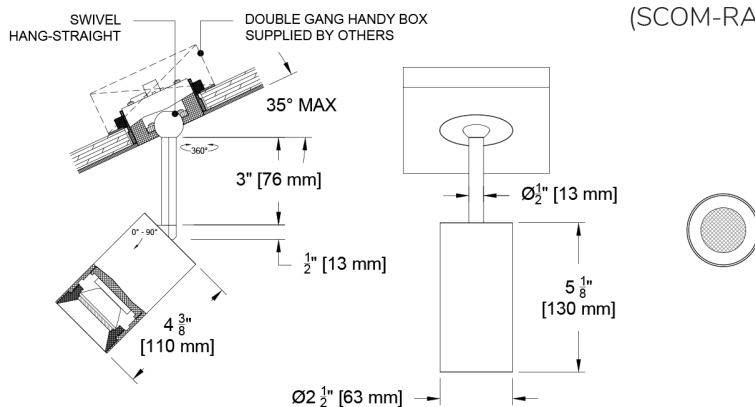
for E4, LD



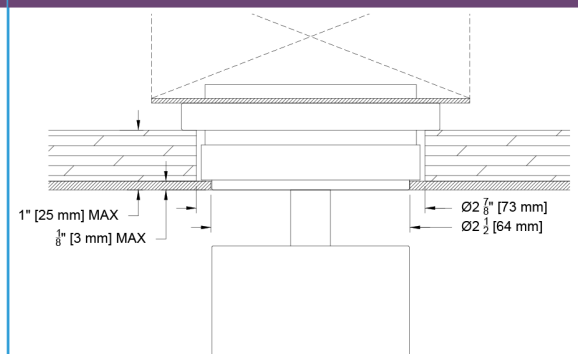
Flangeless Monopoint (Remote Driver)

Panel Mount Sloped Ceiling Remote Driver (SCPM#R)

(SCOM-RA-Z-SCPM#R-)

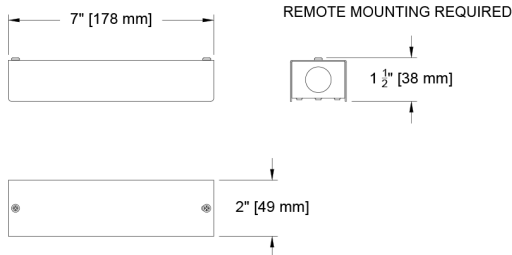
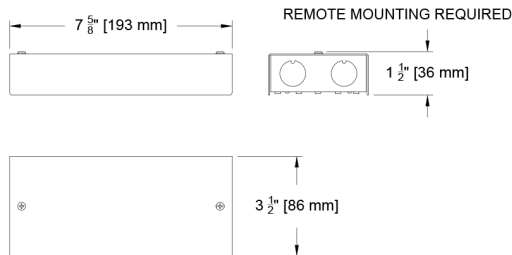
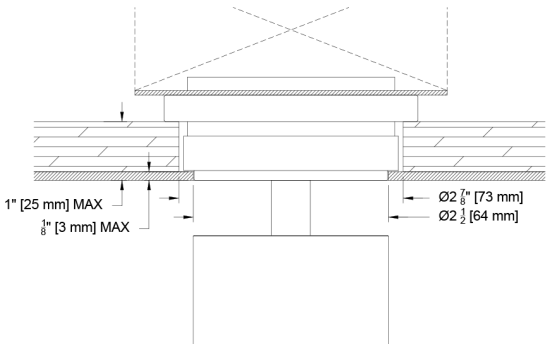


Panel Mount Detail



* Double gang handy box supplied by others for fixture mount & low voltage wiring

Ceiling Cutouts and Dimensions

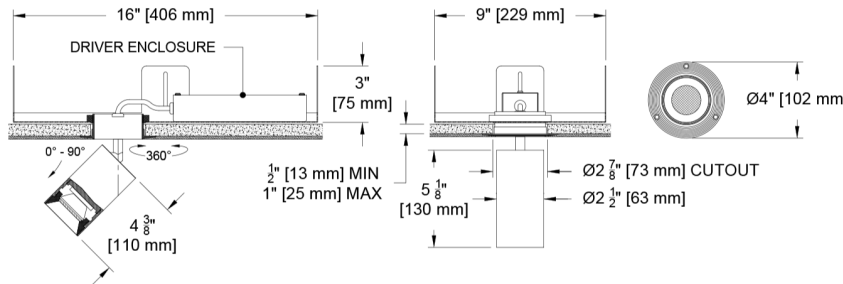
Flangeless Monopoint (Integral Driver)	Plaster Surface Mount Sloped Ceiling Integral Driver (SCSMR) (SCOM-RA-Z-SCSMR-)	Remote Driver Box for E1, E2, E3, C1, C2, TR2  Remote Driver Box for E4, LD 
Flanged Monopoint (Integral Driver)	Flanged Surface Mount Sloped Ceiling Integral Driver (SCSMR) (SCOM-RA-F-SCSMR-)	
Flangeless Monopoint (Integral Driver)	Panel Mount Sloped Ceiling Integral Driver (SCPMR) (SCOM-RA-Z-SCPMR-)	Panel Mount Detail 

Ceiling Cutouts and Dimensions

Flangeless Monopoint (Remote Driver)

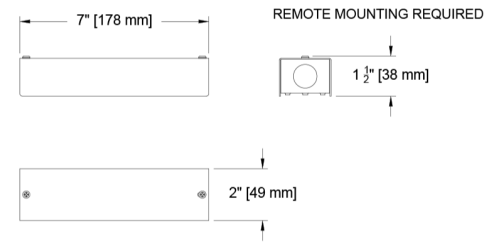
Plaster Surface Mount (SM#R) Bracket Pan (#BP)

(SCOM-RA-Z-SM#R#BP-)



Remote Driver Box

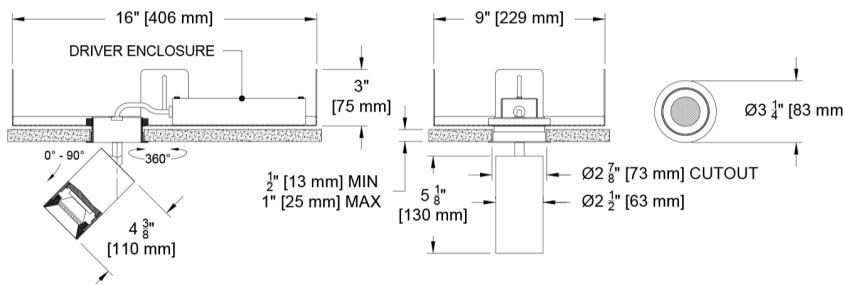
for E1, E2, E3, C1, C2, TR2



Flanged Monopoint (Remote Driver)

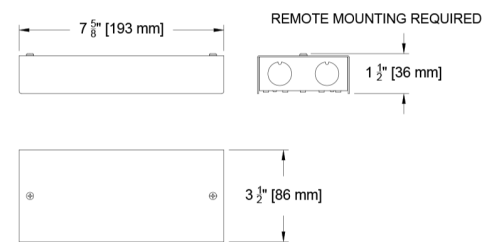
Flanged Surface Mount (SM#R) Bracket Pan (#BP)

(SCOM-RA-F-SM#R#BP-)



Remote Driver Box

for E4, LD

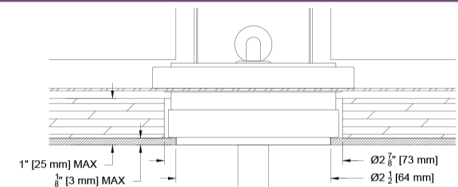


Flangeless Monopoint (Remote Driver)

Panel Mount (PM#R) Bracket Pan (#BP)

(SCOM-RA-Z-PM#R#BP-)

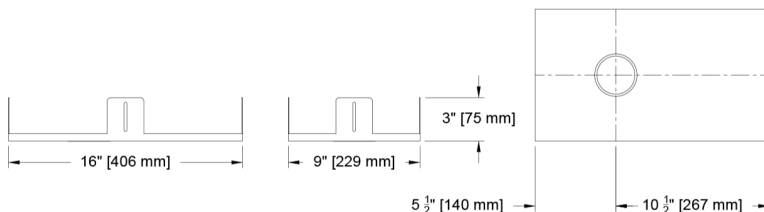
Panel Mount Detail



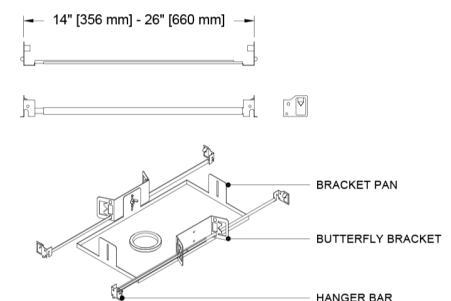
Bracket Pan Detail

BP

(SCOM-RA-Z-#BP-)

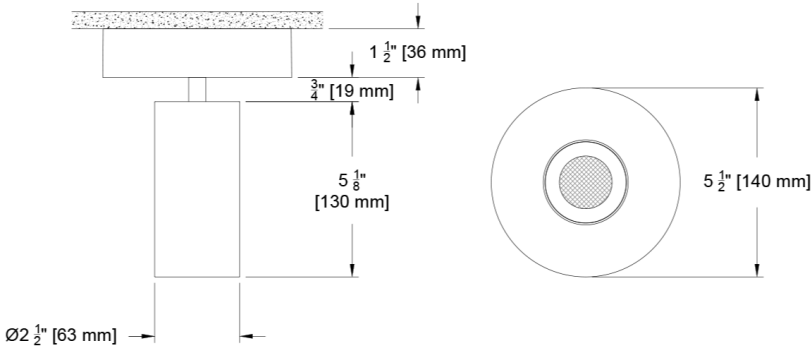
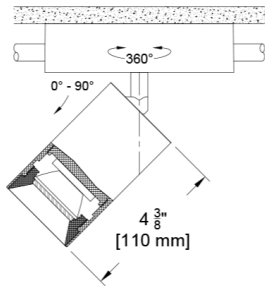


Bracket Pan Mounting Detail



Ceiling Cutouts and Dimensions

Surface Monopoint (Integral Driver)	Surface Mount Large Junction Box (Integral Driver) SMLJB
	(SCOM-RA-CP-SMLJB-)

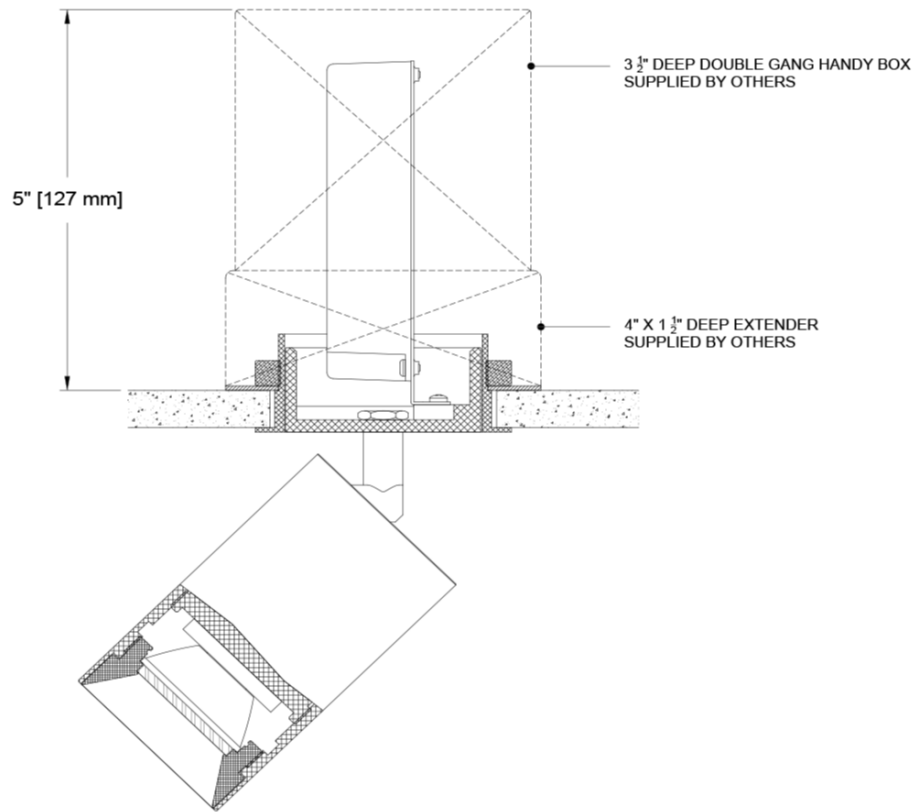


Integral Driver Detail

J-Box Configurations by Driver Type

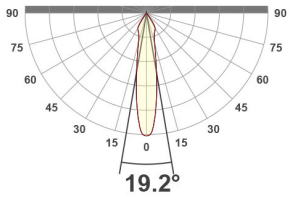
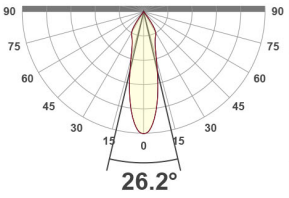
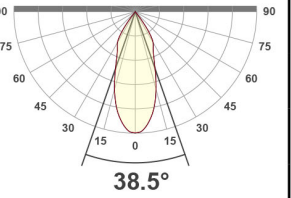
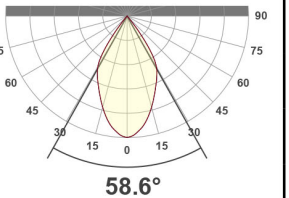
Integral Driver J-Box Configuration

E1, E2, E3, C1, C2 Drivers



Photometric Table

All data below are delivered lumens based on goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated nominal flux. The following combinations do not meet California Title 24 efficacy requirements - Ambient Dim 15°, Tunable White 1840 15° and 35° beams. Tunable White source with tight beams may result in chip imaging in the near field

CYLINDER Beamspreads		20°				28°				40°				60°			
	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	Del. Lumens (lm)	Lms/ Watt	Peak CD	10% Field
Citizen C14	14	1290	92	4733	68°	1292	92	3395	71°	1255	90	2296	74°	1307	93	1702	78°
Ambient Dim A14	15	851	58	3509	66°	810	55	2246	71°	783	54	1519	73°	836	57	1105	77°
Tunable White - 1840	10	467	46	2337	42°	N/A	N/A	N/A	N/A	436	43	837	72°	N/A	N/A	N/A	N/A
Tunable White - 2765	10	587	60	2757	41°	N/A	N/A	N/A	N/A	574	59	1075	74°	N/A	N/A	N/A	N/A
CCT Multiplier		Beam angle				Beam angle				Beam angle				Beam angle			
CCT	Citizen																
2700	0.95																
3000	1.00																
3500	1.02																
4000	1.03																

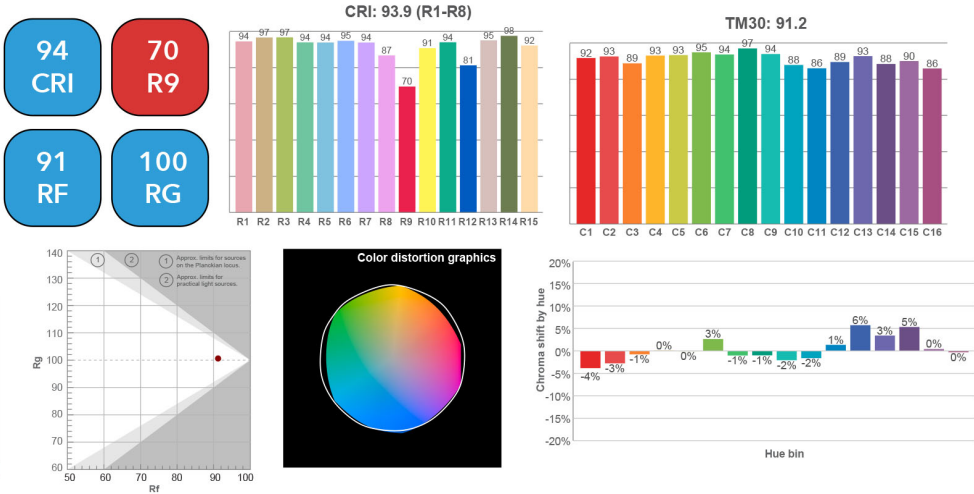
All Measurements are delivered lumens based on 3000K unless otherwise noted below. Ambient Dim measured at full output. Tunable White measurements at mid-point CCT of range (2700k for 1840 and 4500k for 2765 source). ISO CD Plots based C14 Source. Tunable White with tight beams may result in chip imaging in near field applications.

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 data range as listed on their datasheet.

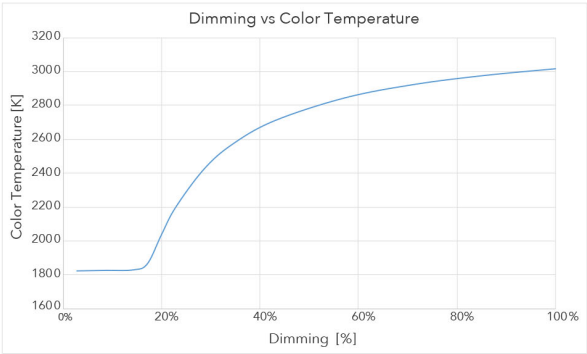
Citizen Source C14, C20

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

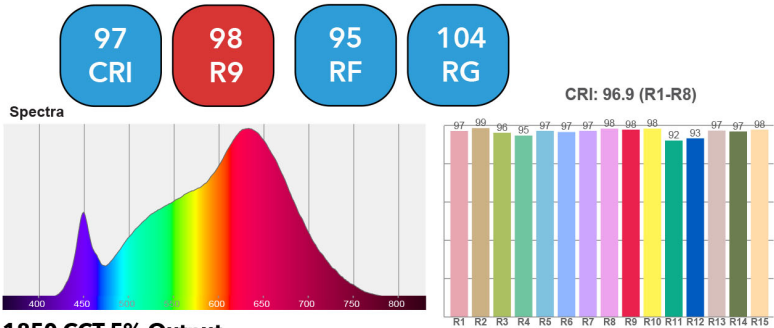


Ambient Dim Source A14 (AD - 3000k to 1900k)

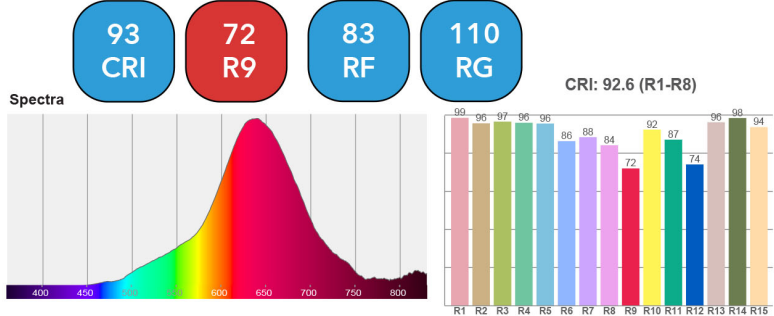
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range



3000 CCT Full Output



1850 CCT 5% Output

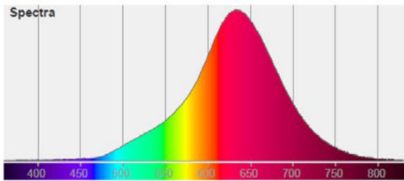


Tunable White source T7 - CCT 1840 (1800k to 4000k)

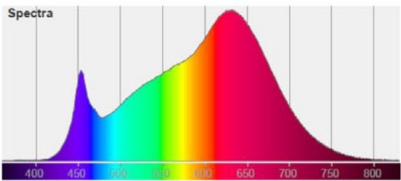
- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 76 R9 average across all CCTs
- Available in both wired or wireless control

Color Temp	TUNABLE WHITE - 1800-4000K						
	1800	2200	2500	2700	3000	3500	4000
System Watts	10	10	10	10	10	10	10
Delivered Lumens	360	412	445	467	513	543	543
Luminaire Efficiency	36	41	44	46	51	54	54
Flux and Color data based on 20° measurement at 2700k. All other values are extrapolated from actual and analytical tests.							

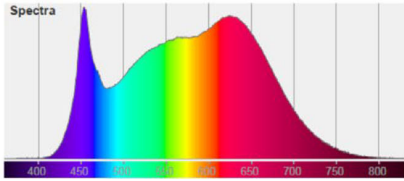
Spectral Power Distributions at all listed CCTs available upon request



1800K



3000K



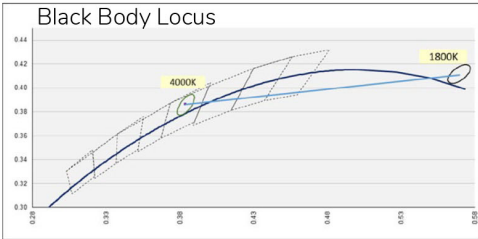
4000K

94
CRI

76
R9

89
RF

97
RG

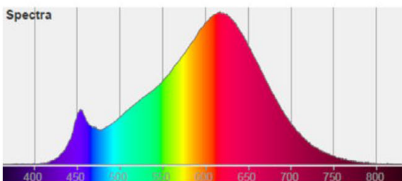


Tunable White source T7 - CCT 2765 (2700k to 6500k)

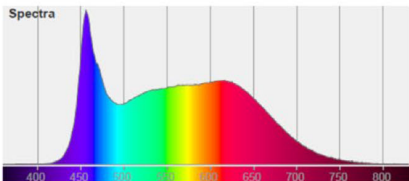
- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 96 R9 average across all CCTs
- Available in both wired or wireless control

Color Temp	TUNABLE WHITE - 2700-6500K								
	2700	3000	3500	4000	4500	5000	5500	6000	6500
System Watts	10	10	10	10	10	10	10	10	10
Delivered Lumens	552	569	587	574	587	586	585	584	590
Luminaire Efficiency	56	58	60	59	60	60	60	60	60
Flux and Color data based on 20° measurement at 4500k. All other values are extrapolated from actual and analytical tests.									

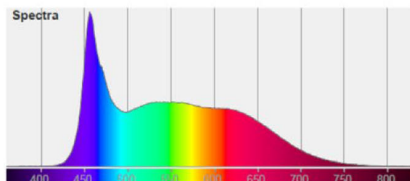
Spectral Power Distributions at all listed CCTs available upon request



2700K



5000K



6500K

96
CRI

76
R9

91
RF

99
RG

