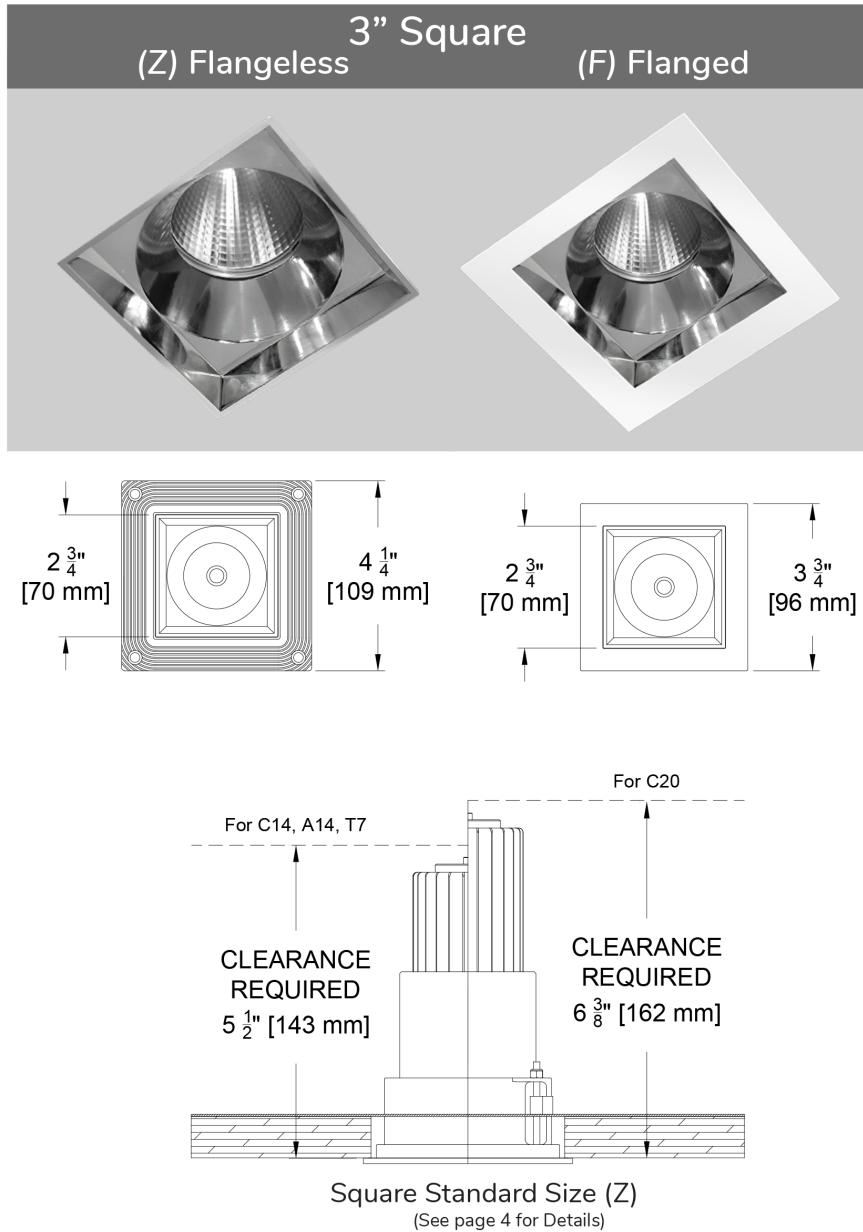


Scope Wonder

Ever wonder where light is coming from? Scope Wonder Downlight epitomizes this phenomena featuring super low UGR (glare) values. This fixture is designed not to be seen! The 3" offering provides an incredibly wide selection of finishes, mounting options and sources and technology including the release of our INK tunable white source in 2 dynamic ranges.



PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (SCW3D-S)

Trim

- Machined aluminum Body in USA
- 4 trim bezel color options
- 40 flange color options + custom RAL
- Flange or flangeless

Source / Optics

- UGR values <= 13 (considered excellent)
- Field changable optics
- 3 beam spreads - 20°, 24° and 38°
- Up to 1479 delivered lumens
- <2 MacAdams Ellipses (<2 SDCM)
- 90+ CRI, 60+ R9 Standard; 95+ CRI, 90+ R9 available with Ambient Dim option
- 2700K, 3000K, 3500K, 4000K, Ambient Dim (1900K to 3000K) and Tunable White with 2 available ranges (1800 to 4000K and 2700 to 6500K)
- **TITLE 24** Source supports California Title 24 Requirements to JA8
- Lifetime: L87B3>55,000 hours at 40°C Ambient (for fixed white)

Housing

- Remodel or millwork option available
- **TITLE 24** IC Rated / airtight housing approved for use in direct contact with insulation, Chicago Plenum Available and meets CA Title 24
- 2 pan options IC rated for use in direct contact with insulation (not for spray foam)

Driver And 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 3" hole
- TruPhase™, 0-10, DALI-2, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- Universal 120-277V

SQUARE Beamspreads		20°						24°						36°					
Source	System watts (W)	Delivered Lumens (lm)	Lumens/Watt	UGR	Peak (fc)	10% Field	Delivered Lumens (lm)	Lumens/Watt	UGR	Peak (fc)	10% Field	Delivered Lumens (lm)	Lumens/Watt	UGR	Peak (fc)	10% Field			
Citizen C14	14	1078	77	12	6599	40°	1013	72	12	5501	42°	1075	77	13	3375	49°			
Citizen C20	21	1479	70	13	9257	40°	1389	66	13	7576	41°	1478	70	13	4633	49°			
Ambient Dim A14	15	750	51	13	5586	38°	668	46	12	4240	39°	739	51	13	2949	46°			
Tunable White - 1840	10	491	52	13	2967	40°	466	49	13	2374	42°	490	52	12	1525	48°			
Tunable White - 2765	10	640	67	11	3786	41°	595	63	7	3060	42	649	68	10	1953	49°			

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: SCW3D-S-Z-BP-A14-AD-36-E2-V01-A01

Fixture	Trim	Mounting	Source / Watts	CCT	Beam	Driver / Control	Bezel Finish	Trim Finish	Accessories
SCW3D-S									

Scope Wonder 3" Downlight - Square

F Flanged Trim	NP New Pan (IC rated) for Mounting to bottom of studs^	Citizen	27 2700K	20 Spot	C1 0-10 1.0%, UNV (120-277V) linear	V01 Clear Metalize	A32 Clear Anodize	CP Chicago Plenum
Z Flangeless Trim	BP Bracket Pan (IC Rated) for mounting with hanger bars to studs or T-bar^	C14 14W 1078lm* 90+CRI, 60+R9	30 3000K	24 Narrow Flood	C2 ELV/Triac 1.0%, (120V) linear	V02 Black Metalize	A01 Black Anodize	EM Emergency Pack
	AT Airtight Housing*	C20 21W 1479lm* 90+CRI, 60+R9	35 3500K	36 Flood	E1 0-10* 0.1%, UNV (120-277V) log	V03 Champagne Metalize	W White Paint	LR Lutron Wireless RF PowPak
	PM Panel Mount§	Ambient Dim™	40 4000K		E2 DALI-2* 0.1%, UNV (120-277V) log	V04 Gold Metalize	C Custom/RAL Color*	ATH Lutron Athena Wireless Node Must be used with E2 driver (DALI-2)
	RM Remodel mounts direct to ceiling - Wing Springs for flanged and drywall anchors for flangeless	A14 15W 750lm* 95+CRI, 90+R9 3000 to 1900K	AD 1900-3000K		E3 0-10* 0.1%, UNV (120-277V) linear		AXX Specialty anodize color*	CA Casambi Wireless BLE to be paired with driver
		Ink™	1840 1800-4000K Tunable White		LD Digital Ecosystem* 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1		A1-A36	
		T7 10W 640lm*^ 90+CRI, 70+R9 Tunable White+	2765 2700-6500K Tunable White		TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only		PXX Specialty Paint Color*	
		● Supports CA Title 24 Compliance to JA8 Requirements			* Requires remote mounting		P01-P15	
		* Based on 20° beam						
		^ Based on 2765 CCT measurement						
		+LTT or EldoLED driver selection required and will be supplied with 2 Channel version						

* See Finish Guide

FINISH GUIDE LINK

● Supports CA Title 24 Compliance to JA8 Requirements

* Based on 20° beam

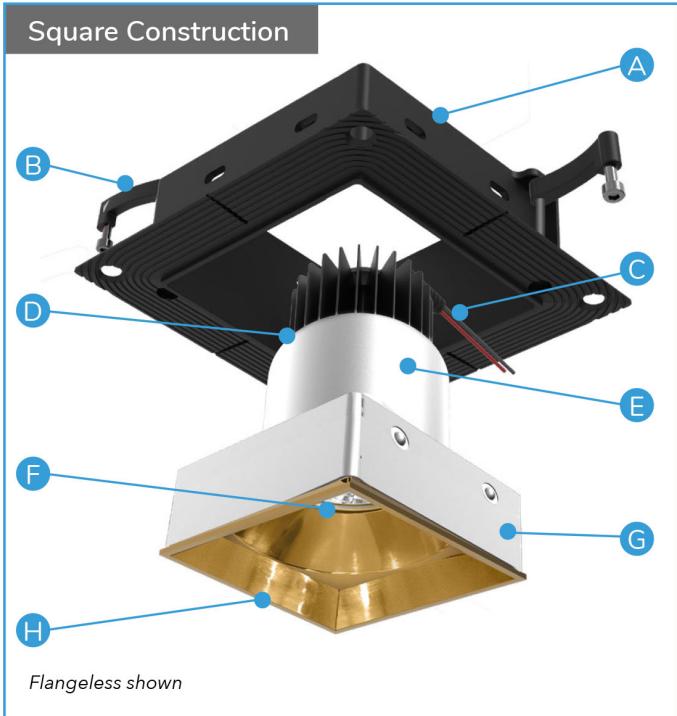
^ Based on 2765 CCT measurement

+LTT or EldoLED driver selection required and will be supplied with 2 Channel version

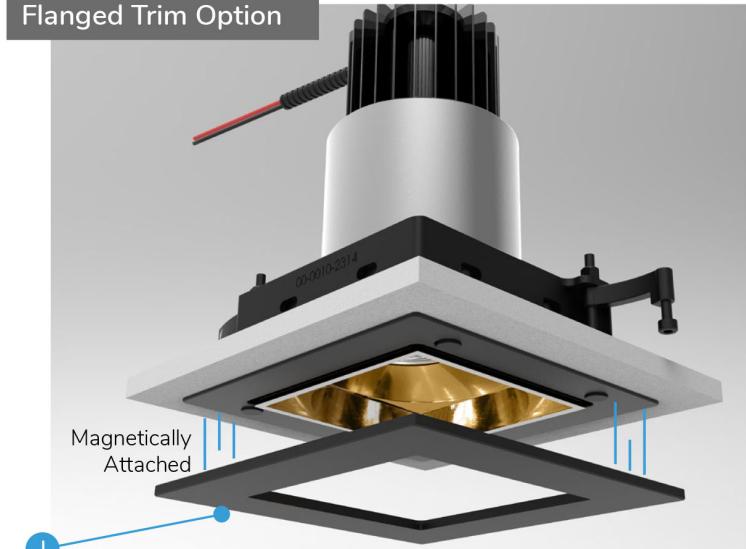
* See Finish Guide

Fixture Details

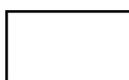
Receiver with integral plaster/trim attaching flange mounts to pan or housing with ceiling clamp. Body assembly attaches to receiver with ball plungers. Trim Flange (F option) attaches to receiver with magnets



Flanged Trim Option



Flanged Finish Options



White
P14



A01 Black
Anodize



A32 Clear
Anodize



A1-A36
Anodized
AXX



P01-P26
Powder Coat
PXX



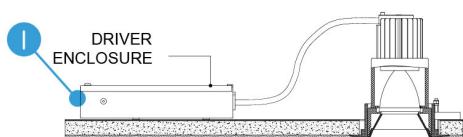
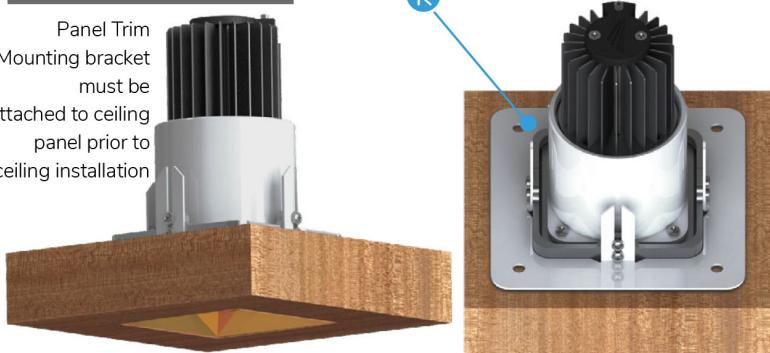
Custom
C

Trim Bezel Finish Options



Panel Trim Option

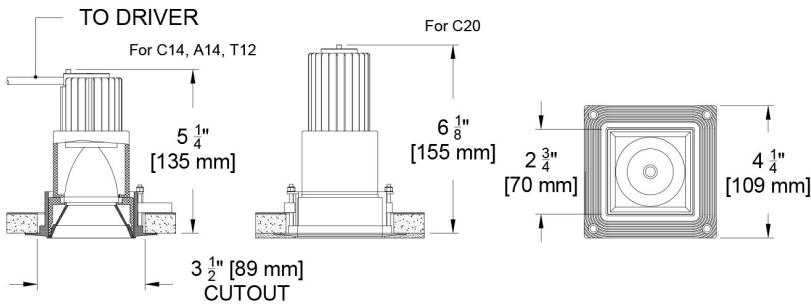
Panel Trim
Mounting bracket
must be
attached to ceiling
panel prior to
ceiling installation



Ceiling Cutouts and Dimensions

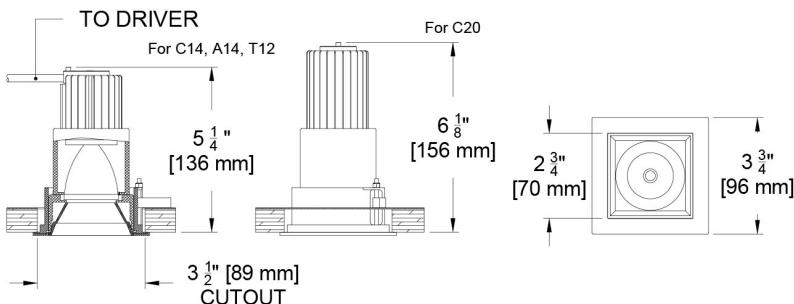
Square New or Bracket Pan \ Flangeless Trim (Z)

(SCW3D-S-Z-BP / NP-)



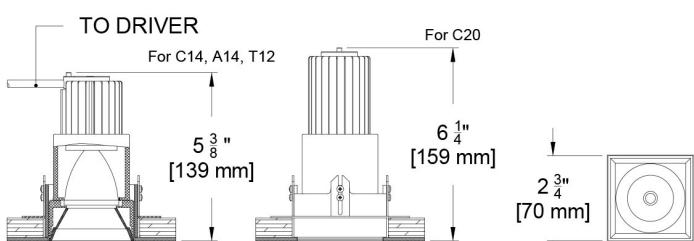
Square New or Bracket Pan \ Flanged Trim (F)

(SCW3D-S-F-BP / NP-)



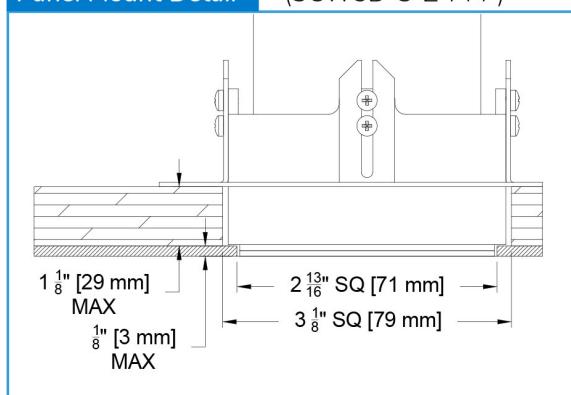
Square Panel Mount

(SCW3D-S-F-PM-)



Panel Mount Detail

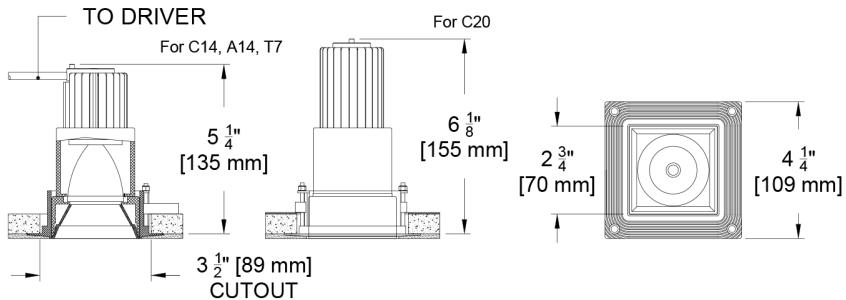
(SCW3D-S-Z-PM-)



Ceiling Cutouts and Dimensions

Square Remodel

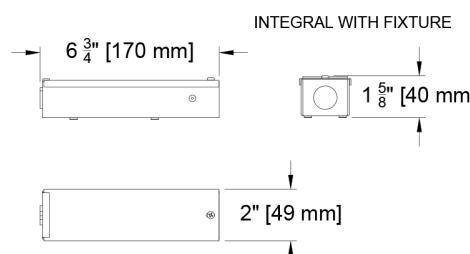
(SCW3D-S-Z-RM-)



Flangeless Trim (Z)

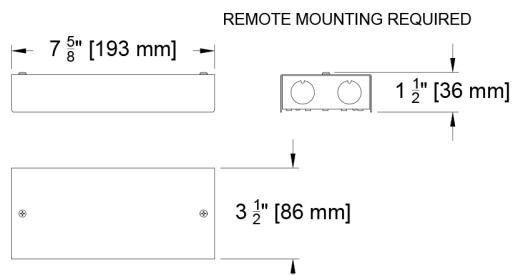
Driver Enclosure

for C1, C2 TR2



Driver Enclosure

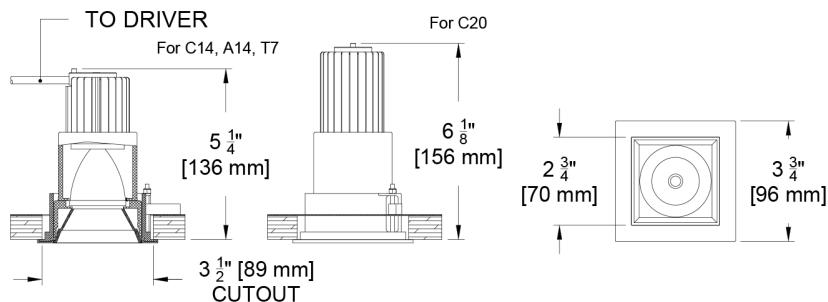
for E1, E2, E3, E4, LD



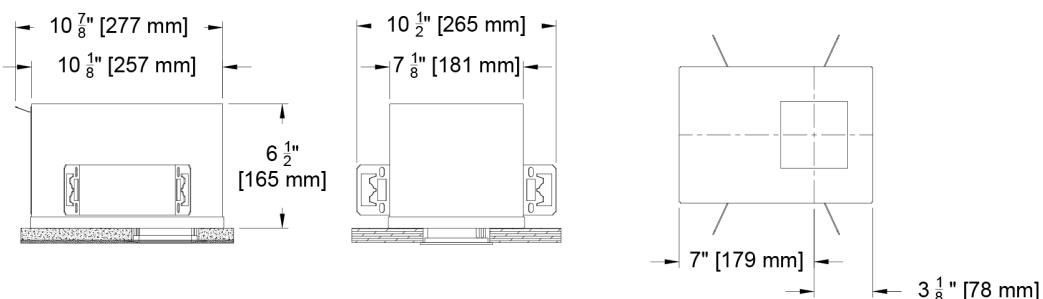
Square Remodel

(SCW3D-S-F-RM-)

Flanged Trim (F)



Square Airtight (AT)

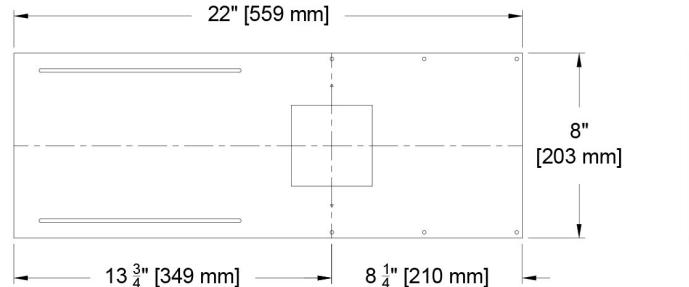
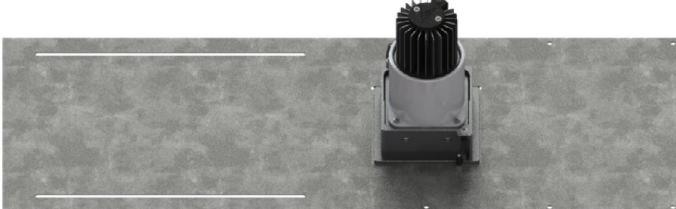


Mounting Options

New Pan

(SCW3D-S-X-NP)

For new construction and attachment to bottom of studs

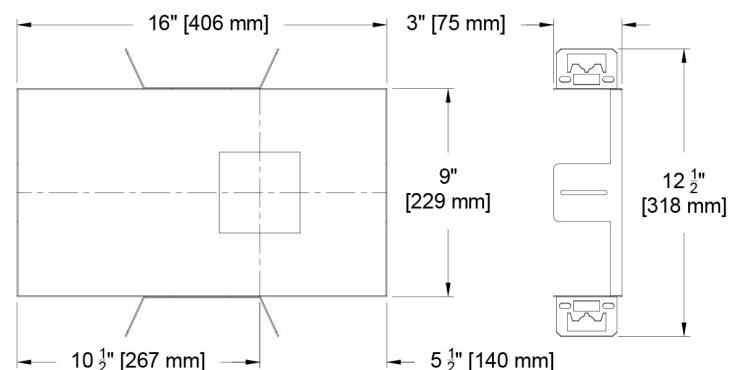


Bracket Pan

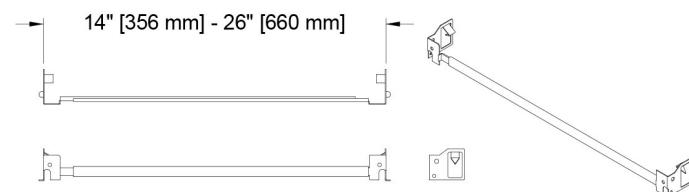
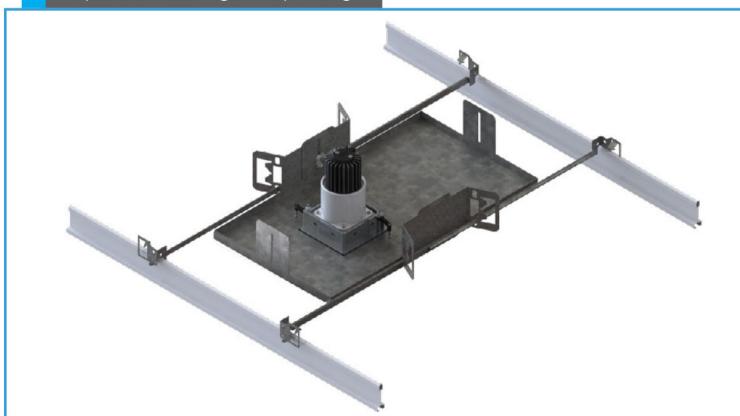
(SCW3D-S-X-BP)

For new construction using hanger bars for attaching to studs or drop ceiling

Option 1- Attaching to Studs



Option 2- Attaching to Drop Ceiling



Note: For panel trim mounting see page 3 for picture of detail or refer to installation instructions

Photometric Table

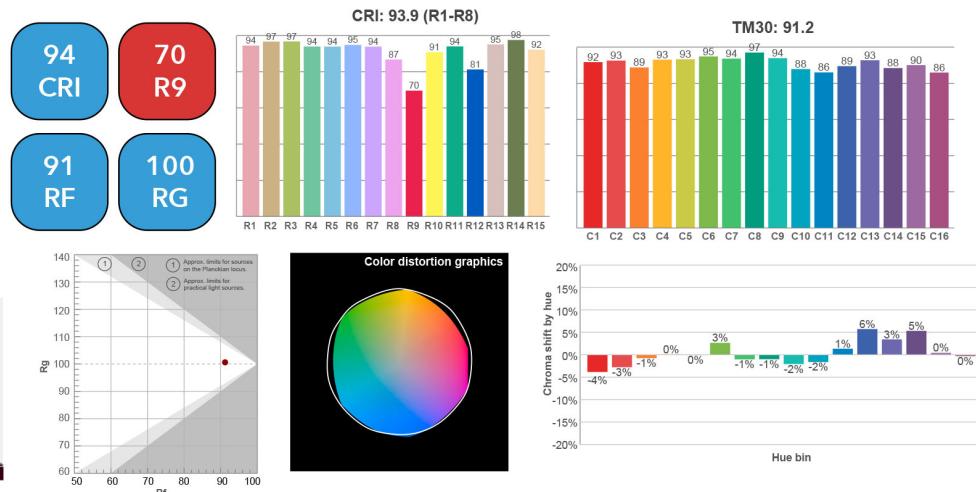
All data below are delivered lumens based on goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range.

SQUARE Beamspreads		20°						24°						36°					
Source	System watts (W)	Delivered Lumens (lm)	Lumens/Watt	UGR	Peak (fc)	10% Field	Delivered Lumens (lm)	Lumens/Watt	UGR	Peak (fc)	10% Field	Delivered Lumens (lm)	Lumens/Watt	UGR	Peak (fc)	10% Field			
Citizen C14	14	1078	77	12	6599	40°	1013	72	12	5501	42°	1075	77	13	3375	49°			
Citizen C20	21	1479	70	13	9257	40°	1389	66	13	7576	41°	1478	70	13	4633	49°			
Ambient Dim A14	15	750	51	13	5586	38°	668	46	12	4240	39°	739	51	13	2949	46°			
Tunable White - 1840	10	491	52	13	2967	40°	466	49	13	2374	42°	490	52	12	1525	48°			
Tunable White - 2765	10	640	67	11	3786	41°	595	63	7	3060	42	649	68	10	1953	49°			
CCT Multiplier		Beam angle						Beam angle						Beam angle					
CCT	Citizen	Beam angle						Beam angle						Beam angle					
2700	0.95	Beam angle						Beam angle						Beam angle					
3000	1.00	Beam angle						Beam angle						Beam angle					
3500	1.02	Beam angle						Beam angle						Beam angle					
4000	1.03	Beam angle						Beam angle						Beam angle					
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 TW18 and 4500K for TW27 source). ISO CD Plots based on C20 Source. UGR values based on 4H 3H row.		Beam angle						Beam angle						Beam angle					
		Beam angle						Beam angle						Beam angle					
		Beam angle						Beam angle						Beam angle					
		Beam angle						Beam angle						Beam angle					
		Beam angle						Beam angle						Beam angle					
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		Beam angle						Beam angle						Beam angle					
		Beam angle						Beam angle											

Color Data

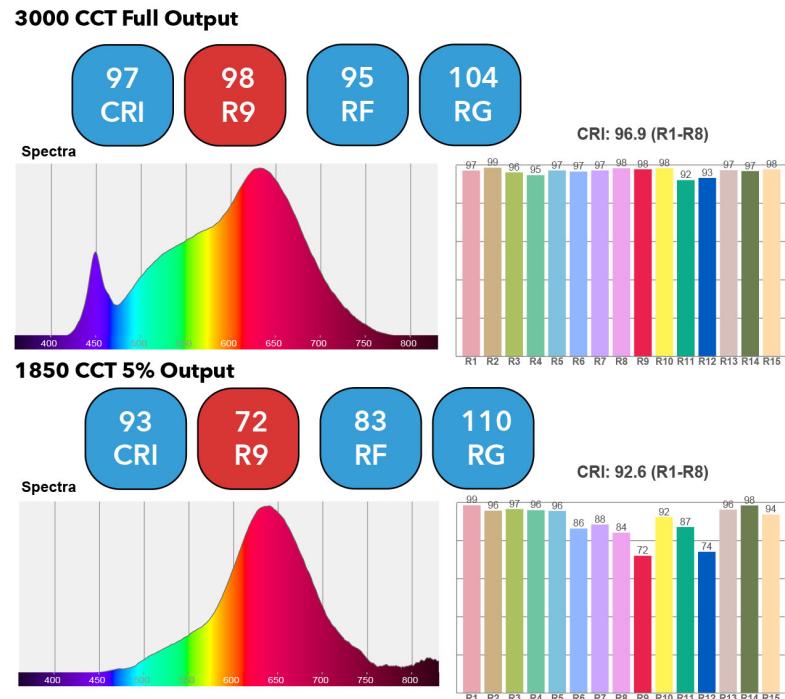
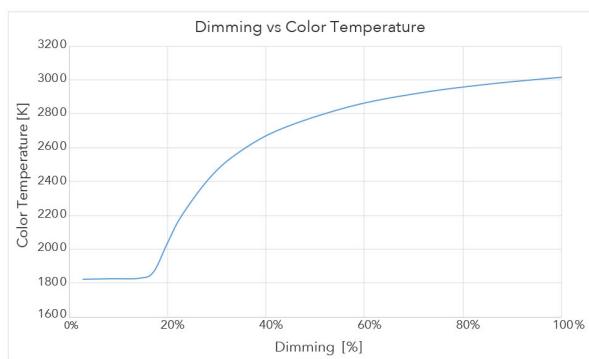
Citizen Source C14, C20

- <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



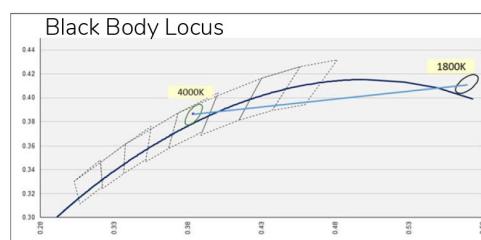
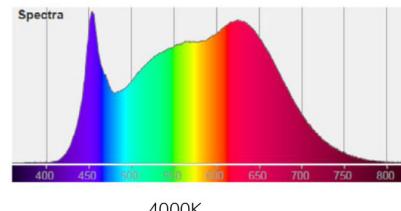
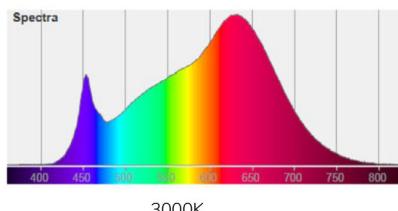
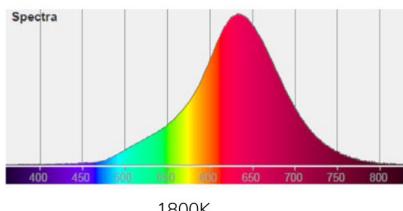
Tunable White source T7 - CCT 1840 (1800k to 4000k)

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

	TUNABLE WHITE - 1800-4000K						
	Color Temp	1800	2200	2500	2700	3000	3500
System Watts	10	10	10	10	10	10	10
Delivered Lumens	379	433	468	491	539	571	571
Luminaire Efficiency	40	46	49	52	57	60	60

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



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 with wired or wireless control

	TUNABLE WHITE - 2700-6500K								
Color Temp	2700	3000	3500	4000	4500	5000	5500	6000	6500
System Watts	10	10	10	10	10	10	10	10	10
Delivered Lumens	602	620	640	640	640	639	638	636	644
Luminaire Efficiency	63	65	67	67	67	67	67	67	68

Spectral Power Distributions at all listed CCTs available upon request

