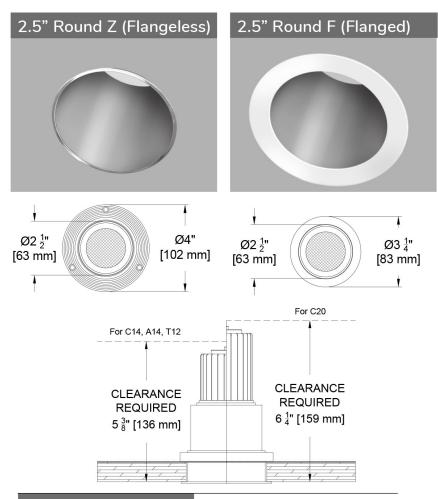
Formerly 4500 (FA, GA, PA), 4501, 4600 Fixed Recessed Accent Light

Scope Original

The Scope Original is a small aperture downlight family used to great acclaim in thousands of projects over the last 20 years. Featuring some plenum intrusions $<3 \frac{1}{2}$ " and a wide selection of aperture types, we have expanded this offering with new mounting options, a large selection of source technology and control options. This modifiable fixture has over 40 finish options including a wood trim selection. You have found the Round Downlight Datasheet and we hope you enjoy the details



2.5" Aperture Options





Deep Regress (DR) Formerly known as 4500

Shallow Regress (SR) Formerly known as 4501

Drop Glass (DG)

Formerly known as 4500





FL- Flat (Pin Hole) Formerly known as 4500

Semi Recessed (SM) Formerly known as 4600

R	ROUND Beamspreads			10	•		20°				30°				
		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	
	Citizen C14	14	1014	72	6304	40°	1009	72	3599	61°	963	69	2136	73°	
ress	Citizen C20	21	1372	65	7323	50°	1385	66	4911	61°	1323	63	2947	73°	
Regress	Ambient Dim A14	15	693	47	4486	37°	707	48	2825	56°	693	47	1628	71°	
eep	Tunable White 1840	10	452	45	2634	32°	470	47	2178	41°	452	45	1080	71°	
	Tunable White 2765	10	596	60	3401	33°	631	63	2970	40°	620	62	1468	71°	

PROJECT:

SPECIFIER:

Trim

•

•

TYPE:

specialty

DATE:

Machined aluminum Body in USA

3 beam spreads - 10°, 20° and 30°

Up to 1385 delivered lumens <2 MacAdams Ellipses (<2 SDCM)

Wood trim bezel available on Flangeless option

40 finish colors + custom and RAL available for trim flange and bezel. Finishes can be mixed and matched. See Finish Guide

90+ CRI, 60+ R9 Standard, 95+ CRI, 90+ R9 available with

2700, 3000, 3500, 4000K, Ambient Dim (1900K to 3000K) and Tunable White with 2 available ranges (1800 to 4000K and 2700

Lifetime: L87B3>55,000 hours at 40°C Ambient (for fixed White)

Key Points (SCOD-R)

• Flange or flangeless Source / Optics

Ambient Dim option

in many combinations

to 6500K) TITLE 2

Housing

• 2 pan options rated IC / Airtight for use in direct contact with insulation (not for spray foam)

Source supports California Tilte 24 Requirements to JA8

- IC Rated / airtight housing approved for use in direct contact with insulation Chicago Plenum Available and meets CA Title 24
- ${\displaystyle \underbrace{\mathfrak{S}}}_{{}^{\mathrm{US}}}$ listed for damp location wet rating with Shower Trim • selection
- Remodel or millwork option available

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 2.5" hole
- Phase, 0-10, DALI, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015 available
- Universal 120-277v

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Formerly 4500 (FA, GA, PA), 4501, 4600 Fixed Recessed Accent Light



Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: SCOD-R-SR-F-NP-C20-30-20-C1-A24-P16-91L

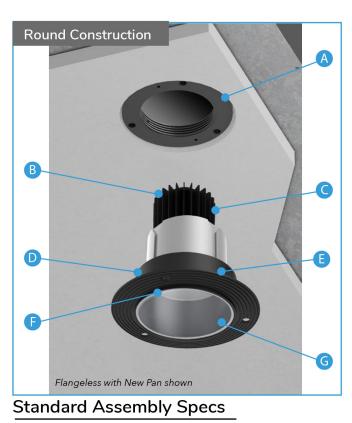
FIXTURE	APERTURE	TRIM	MOUNTING	SOURCE / WATTS	ССТ	BEAM	DRIVER / CONTROL	BEZEL FINISH	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
SCOD-R											
Scope Original 2.5" Downlight - Round	DR Deep Regress SR Shallow Regress FL Flat (Pin Hole) DG Drop Glass * SM Semi- Recessed^ ^Available with Flanged Trim only *Available with 10° optic only	F Flanged Trim Z Flangeless Trim FS Flanged Shower Trim* *Requires aperature lens selection for wet listing	BP Bracket Pan (IC/Airtight) for mounting with hanger bars to studs or T-bar^ NP New Pan (IC/Airtight) for Mounting to bottom of wood studs^ AT AT Airtight Housing* RM Remodel mounts direct to ceiling - Wing Springs for flanged and drywall anchors for flangeless PM Panel Mount§ APM Panel Mount§ APM Panel Mount Airtight/IC Housing * § Supports CA Title 24 Compliance to JA8 * Chicago Plenum available with AT ^ Not for use with spray foam insulation § Must be used with flangeless trims	Citizen C14 • • 14W 1008Lm* 90+CRI, 60+R9 C20 • • 21W 1385Lm* 90+CRI, 60+R9 Ambient Dim A14 • • 15W 707Lm* 95+CRI, 90-R9 3000 to 1900K T7 • • 10W 631Lm** 90+CRI, 70+R9 Tunable White+ • • Suports CA Title 24 Compliance (not for Drop Glass or C20/A14 Flat) *Based on 20° Deep Regress ** Based on Deep Regress with 20° Beam & 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 Whiet 1840 1800-4000K Tunable White* 2765 2700-6500K Tunable White* * Some apertures not compliant with California Title 24	10 Spot* 20 Narrow Flood *Other than Drop Glass, not recomended to use with Tunable (TW) source due to source imaging	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 DAL-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 Hi-Lume SoftOn/Fade-to-Black, PEQ0, 20W max LTT Digital* 1.0%, UNV (120-277V) ECO Premier Hi-Lume SoftOn/Fade-to-Black, PEQ0, 20W max	A01 Black Anodize	A01 Black Anodize	Reflector (lamp) Media 91L Solite 92L Supertex (spreader lens) 97L Black Hexcel Louver XXL Other reflector (lamp) media*	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

Formerly 4500 (FA, GA, PA), 4501, 4600 Fixed Recessed Accent Light

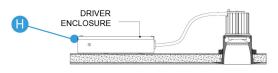


Fixture Details

Threaded collar comes integral with Pan. Receiver with integral trim flange threads into collar. Body assembly attaches to receiver with twist and drop, J hook, mounting mechanism.



- A Machined mounting collar (located above pan) integral with Pan or Housing to accommodate up to 1 1/4" ceiling thickness. Remodel Flanged Trim uses Wing Springs (shown below)
- B 22AWG wire to Driver. Enclosed in flexible conduit connected to driver enclosure.
- C Thermal management system and body. High grade anodized aluminum, precision machined in the U.S.A.
- Receiver High Grade Aluminum precision machined in U.S.A. with integral flange
- E LED Assembly- Field serviceable as part of thermal management system (not shown)
- E Lens optic- Field changeable
- G Bezel, Integral with body- available in all finish options
- 🕒 Driver and enclosure UL approved for IC
- Finish trim flange- integral with receiver
- Panel trim mounting collar and bracket
- K Pinhole or Semi Recessed aperture bezel- integral with body-
- Drop glass- for decorative accent







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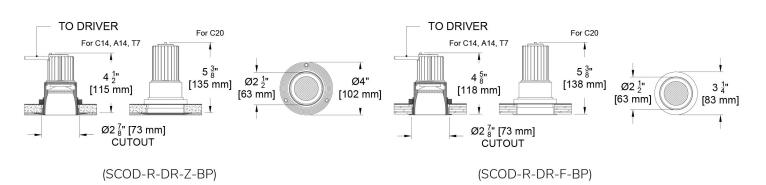
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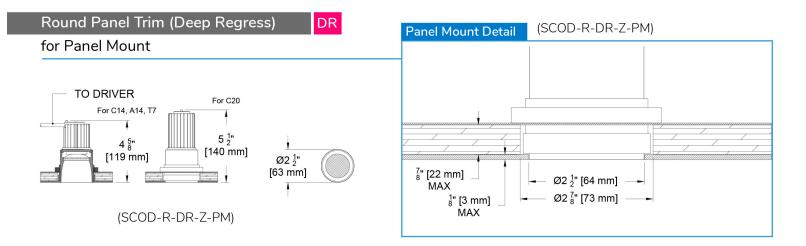




Round Flanged (Deep Regress) DR

for Bracket Pan / New Pan

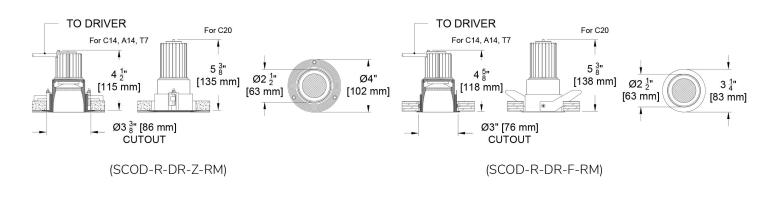




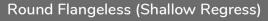
Round Flangeless (Deep Regress)



for Retrofit

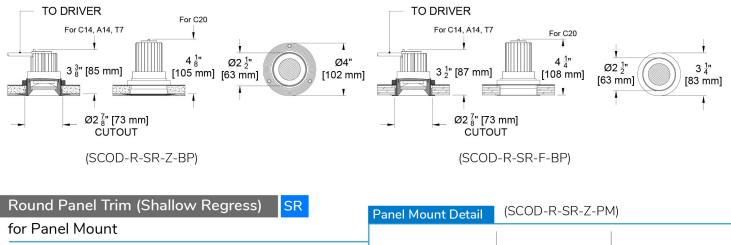


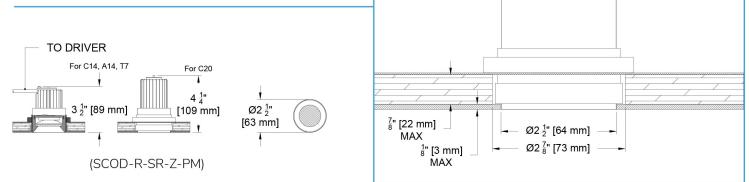




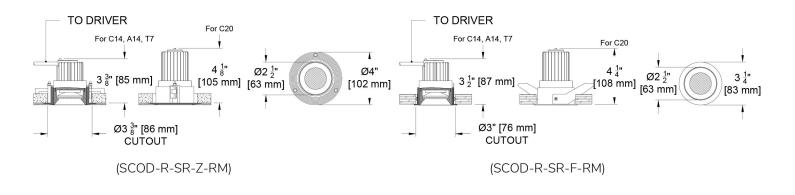
Round Flanged (Shallow Regress) SR

for Bracket Pan / New Pan





Round Flangeless (Shallow Regress)Round Flanged (Shallow Regress)SRfor Retrofit



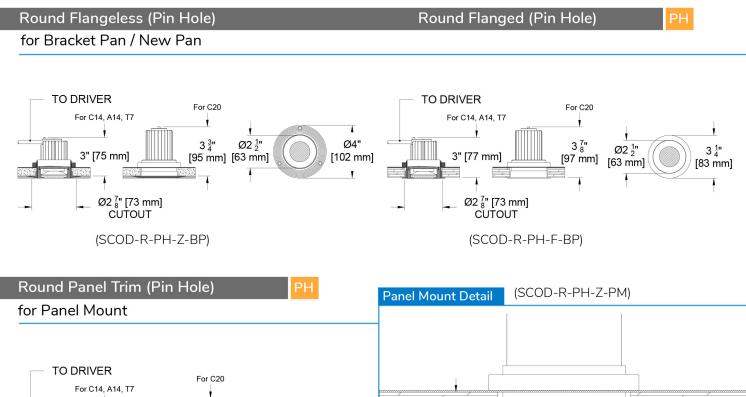


3 7"

[99 mm]

Ø2 1/2"

[63 mm]

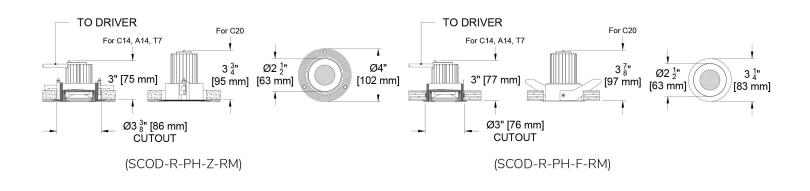


for Retrofit

3" [78 mm]

Round Flangeless (Pin Hole)

(SCOD-R-PH-Z-PM)



⁷/₈" [22 mm]

MAX

¹/₈" [3 mm] MAX Ø2 ¹/₂" [64 mm]

Ø2 ⁷/₈" [73 mm]

Round Flanged (Pin Hole)

PH

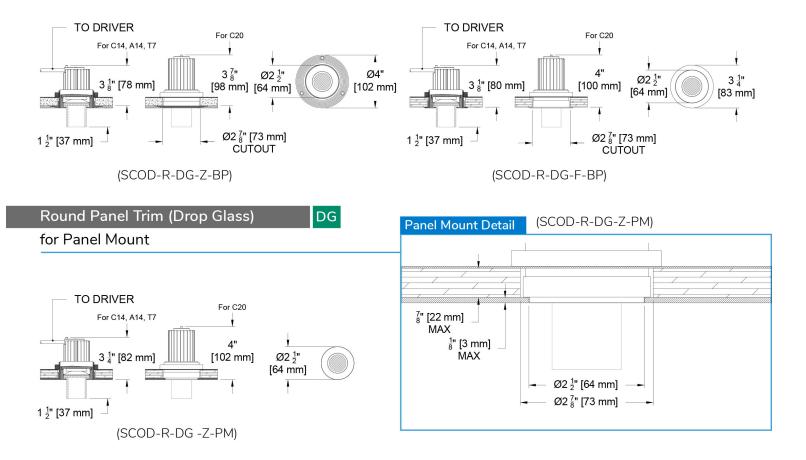




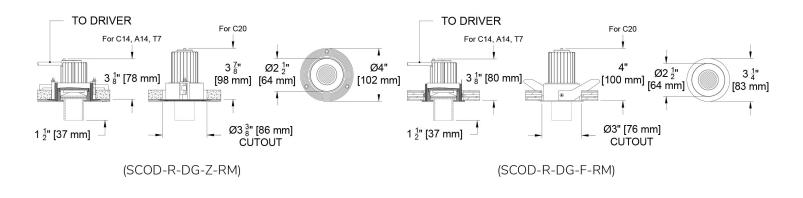




for Bracket Pan / New Pan





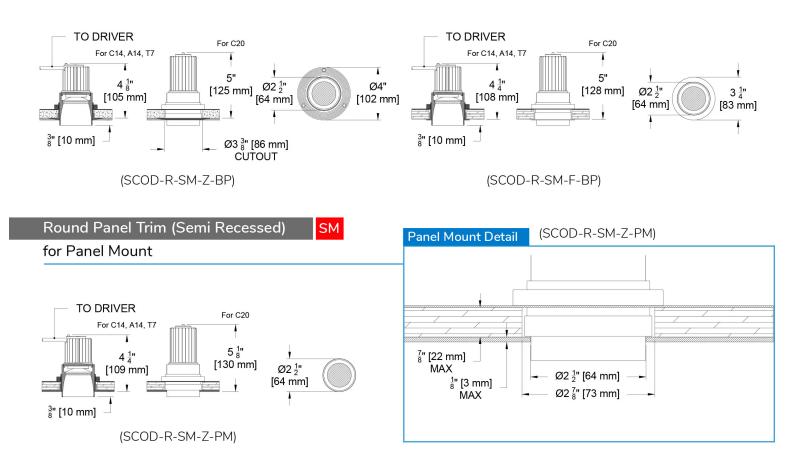






Round Flanged (Semi Recessed) SM

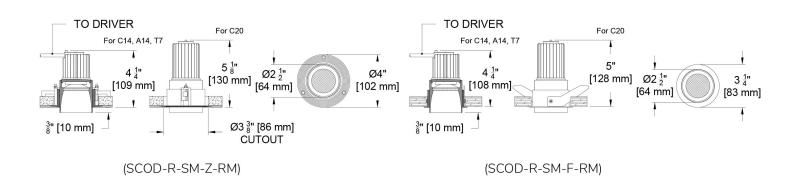
for Bracket Pan / New Pan



Round Flangeless (Semi Recessed)

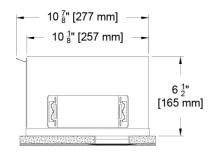
Round Flanged (Semi Recessed) SM

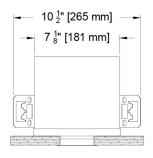
for Retrofit

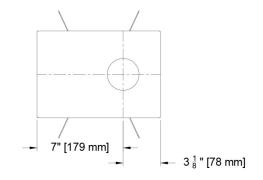




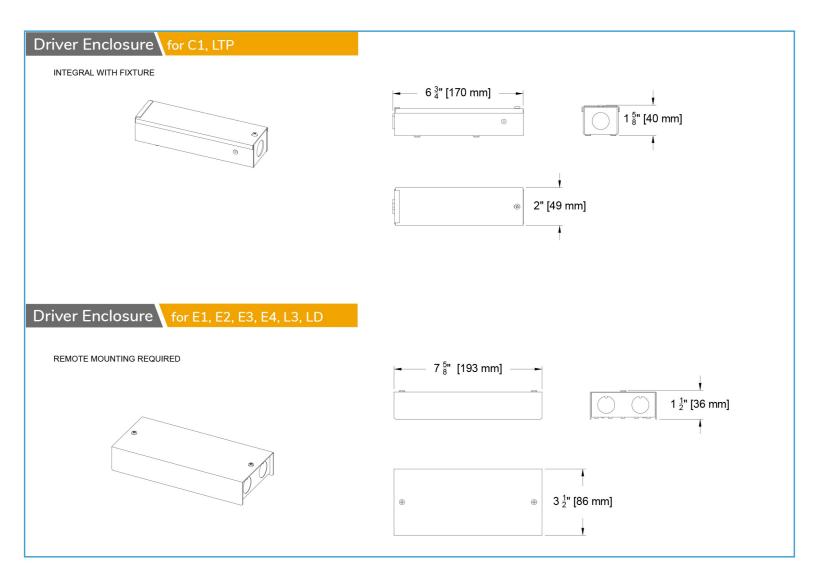








(SCOD-R-_-_AT)



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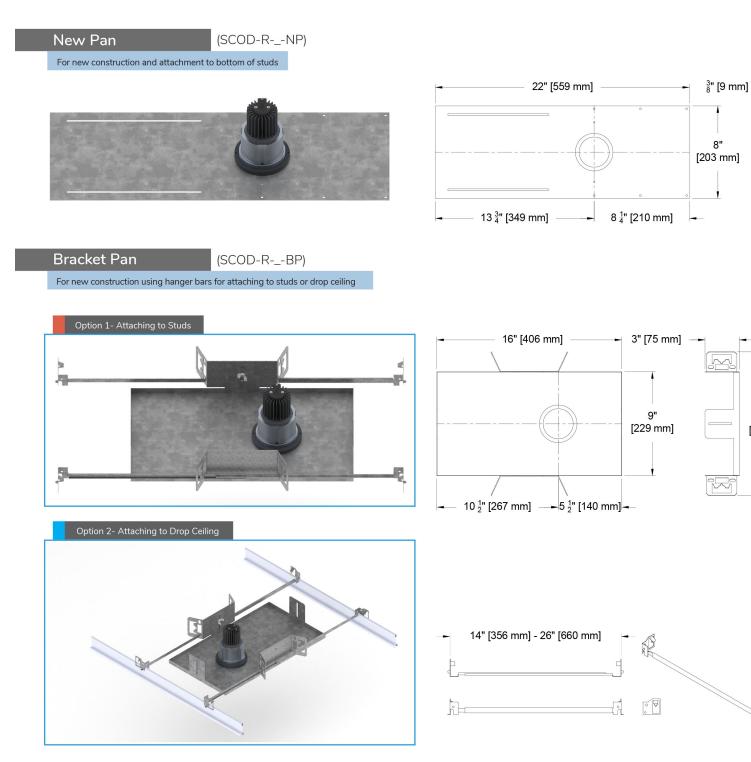
Mounting Options

Fixed Recessed Accent Light



 $12\frac{1}{2}"$

[318 mm]



For Panel Mounting- See picture on page 3 and installation instructions for more detail.

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Photometric Table

Fixed Recessed Accent Light

ble 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 - Shallow Regress - Tunable White (TW) 1840; Flat (pin hole) - C20, A14, TW1840; and all of Drop Glass

ROUND Beamspreads					10°					20°					30°				
	Source		System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	UGR	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	UGR	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	UGR	Peak CD	10% Field	
	Citizen C14		14	1014	72	30	6304	40°	1009	72	31	3599	61°	963	69	33	2136	73°	
Regress	Citizen C20		21	1372	65	30	7323	50°	1385	66	32	4911	61°	1323	63	34	2947	73°	
Segi	Ambient Dim A	A14	15	693	47	30	4486	37°	707	48	30	2825	56°	693	47	31	1628	71°	
Deep I	Tunable White	1840	10	452	45	26	2634	32°	470	47	26	2178	41°	452	45	28	1080	71°	
Ď	Tunable White	2765	10	596	60	27	3401	33°	631	63	27	2970	40°	620	62	29	1468	71°	
SS	Citizen C14		14	1004	72	36	4113	46°	1002	72	35	3064	55°	971	69	36	1876	71°	
Regress	Citizen C20		21	1379	66	37	7030	42°	1377	66	36	4211	55°	1341	64	37	2562	71°	
	Ambient Dim A	A14	15	657	45	34	4129	38°	683	47	34	2568	49°	682	47	34	1393	69°	
Shallow	Tunable White	1840	10	418	42	30	2669	38°	411	41	29	1618	47°	411	41	29	874	66°	
Sha	Tunable White	2765	10	483	47	31	3126	38°	512	50	30	2000	48°	499	49	30	1058	66°	
	Citizen C14		14	773	55	33	4173	42°	800	57	33	3020	51°	766	55	34	1649	71°	
0	Citizen C20		21	1055	50	33	5683	42°	1122	53	34	4186	51°	1051	50	35	2262	710	
Pin Hole	Ambient Dim A	A14	15	543	37	31	3622	37°	571	39	31	2407	47°	548	38	32	1248	68°	
Pin	Tunable White	1840	10	347	35	27	2072	33°	362	36	27	1630	42°	373	37	29	774	73°	
	Tunable White 2765		10	441	45	28	2684	33°	475	48	28	2201	41°	473	48	30	959	74°	
	Citizen C14		14	605	43	40	1472	53°				`							
SSE	Citizen C20		21	816	39	40	1985	53°											
เยื่อ	Ambient Dim A14		15	425	29	38	1393	44°											
Drop Glass	Tunable White	1840	10	269	27	36	661	49°											
	Tunable White	2765	10	352	35	36	866	49°	-										
	CCT Mult	iplier																	
	ССТ	Cit	tizen																
	2700	0	.95																
	3000	1	.00																
	3500	1	.02		Por	am angle				D	eam angle					Beam ar	alo		
	4000	1	.03		Dec	ani angle				Dt	ann angle					Dealli al	igie		
All Measurements are delivered lu- mens based on 3000K unless other- wise noted below. Ambient dim mea- sured at full output. Tunable White measurements at mid-point CCT of range (2700k for 1840 and 4500k for 2765). Deep Regress and Semi-Re- cessed has the same photometry. ISO cd Plots based on Shallow Regress with Ambient Dim source. Beams very based on aperture. Refer to pho- tometry tab on product page for exact ISO cd Plot and IES file. UGR values based on 4H 3H table cell. The fol- lowing combinations do not meet CA Title 24 JA8 requirements: Shallow Regress - Tunable 1840; Flat - C20, A14, Tunable 1840; all sources in Drop Glass.			90 75 60 45 30 15 15 15 13.2°				90 75 60 45 30 15 0 15 0 15 21.2°					90 75 60 45 30 5 0 15 0 15 0 15 60 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45 30 45							

Formerly 4500 (FA, GA, PA), 4501, 4600 Fixed Recessed Accent Light

Color Data

specialty

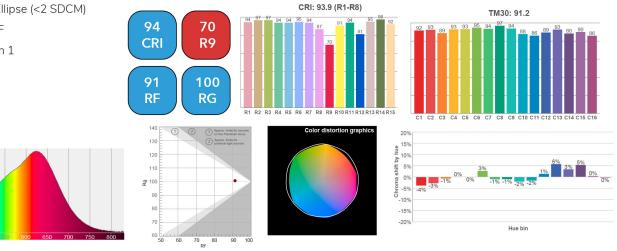
All data below are delivered lumens. Color and flux information based on goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer data range as listed on their datasheet.

Citizen Source C14, C20

- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF

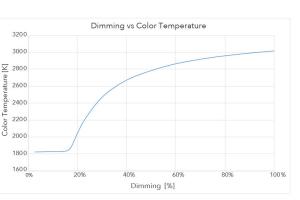
Spectra

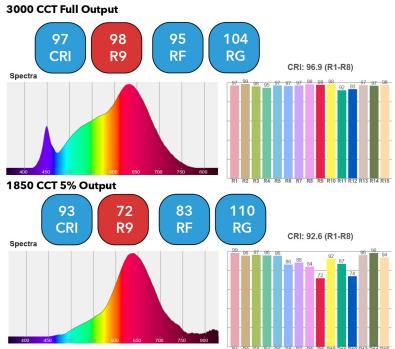
• 60+R9, Hue Bin 1



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





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

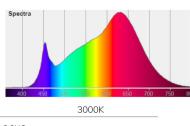
- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 76 R9 average across all CCTs
- Available in both wired or wireless control

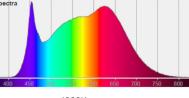
Spectral Power Distributions at all

listed CCTs available upon request

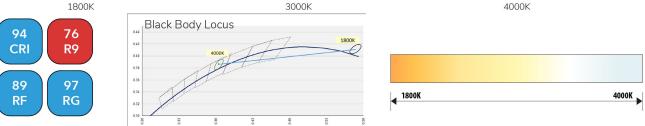
íN K	TUNABLE WHITE - 1800-4000K													
Color Temp	1800	2200	2500	2700	3000	3500	4000							
System Watts	10	10	10	10	10	10	10							
Delivered Lumens	363	414	448	470	516	546	546							
Luminaire Efficiency	38	44	47	49	54	58	58							

Flux and Color data based on Deep Regress 20° measurement at 2700k. All other values are extroplated from actual and analytical tests





4000K



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

- <3 MacAdam Ellips
- 94 CRI average acr
- 96 R9 average acro

> 91 RF

• Available in both w

acAdam Ellipse (<3 SDCM)	ÍNK	TUNABLE WHITE - 2700-6500K										
RI average across all CCTs	Color Temp	2700	3000	3500	4000	4500	5000	5500	6000	6500		
average across all CCTs	System Watts	10	10	10	10	10	10	10	10	10		
ble in both wired or wireless control	Delivered Lumens	602	620	640	631	640	639	638	636	644		
	Luminaire Efficiency	63	65	67	66	67	67	67	67	68		
Spectral Power Distributions at all listed CCTs available upon request	Flux and Color data ba	sed on Deep	Regress 20°	measuremen	t at 4500k. A	ll other value	s are extropla	ited from actu	ıal and analyt	ical tests		
Spectra 460 450 260 820 650 700 750 800	Spectra 400 450 00		jo eso 7	100 750	800	Spectra 400 450	50 R	600 65	o 700 7	50 800		
2700K		5000K					650	OK				
96 CRI 96 R9 Black Boo	dy Locus											
91 99 034 6500K	t-			•	2700K					6500K		