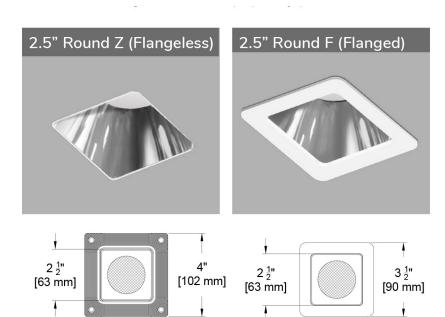
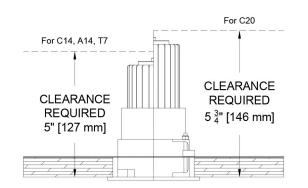
Scope O 2.5" Square Downlight (64mm)

Formerly known as 4509 Fixed Recessed Accent Light

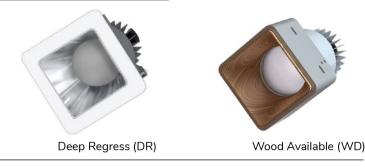
Scope Original

The Scope Original is a small aperture downlight family used to great acclaim in thousands of projects over the last 20 years. 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 Square Downlight Datasheet and we hope you enjoy the details.





2.5" Aperture Options



PROJECT:

TYPE:

specialty lighting industries

DATE:

Key Points (SCOD-S)

Trim

- Machined aluminum body in USA
- Wood trim bezel available on Flangeless option
- 40 color options + custom RAL available for trim flange and bezel. Finishes can be mixed and matched
- Flange or flangeless

Source / Optics

- 3 beam spreads 15°, 22° and 36°
- Up to 1304 delivered lumens
- <2 MacAdams Ellipses (<2 SDCM)
- 90+ CRI, 60+ R9 Standard, 95+ CRI, 90+ R9 available with Ambient Dim option
- 2700, 300, 3500, 4000K, Ambient Dim (1900K to 3000K) and Tunable White with 2 available ranges (1800 to 4000K and 2700 to 6500K)
- Source supports California Tilte 24 compliance to JA8 requirements except for T7-1840 tunable white source

• Lifetime: L87B3>55,000 hours at 40° C ambient for fixed white Housing

- 2 pan options, IC / Airtight rated for use in direct contact with insulation (not for spray foam)
- Sisted for damp location wet rating with Shower Trim selection
- IC Rated / airtight housing approved for use in direct contact with insulation Chicago Plenum Available and suports CA Title 24 compliance
- 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

PERFORMANCE SUMMARY CHART									
	CITIZ	(EN	TUNABLE	AMBIENT DIM®					
Source	CZ14	CZ20	Τ7	Τ7	AD14				
CCT (color tune)			1840	2765	3019				
Delivered Lumens	985	1340	418	513	680				
Watts	14	20	10	10	15				
Fixture Efficacy (LPW)	70	67	42	51	45				

Data based on 22° beam at 3000k. Tunable white at mid-point CCT. Ambient Dim at full output Tunable White 1840 does not meet Title 24 JA8 efficacy requirements Formerly known as 4509 Fixed Recessed Accent Light



Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

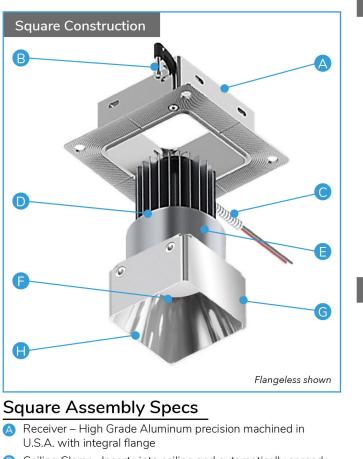
Ordering Code Example: SCOD-S-F-NP-C20-30-22-C1-A32-A32-91L

FIXTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	BEZEL FINISH	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
SCOD-S										
Scope Original 2.5" Downlight - Square	F Flanged Trim Z Flangeless Trim FS Flanged Shower Trim* *Requires aperature lens selection for wet listing	NP New Pan (IC/Airtight) for Mounting to bottom of wood studs^ BP Bracket Pan (IC/Airtight) for mounting with hanger bars to studs or T-bar^ AT AT Mareight / IC Housing* PM Panel Mount § RM Remodel mounts direct to ceiling - Wing Springs for flanged and drywall anchors for flanged and for flanged and flanged	Citizen C14 • • 14W 985Lm* 90+CRI, 60+R9 C20 • 21W 1340Lm* 90+CRI, 60+R9 Ambient DimTM A14 • • 15W 680Lm* 95+CRI, 90+R9 3000 to 1900K InkTM T7 • 10W 526Lm**^ 90+CRI, 70+R9 Tunable White+ • • CA Title 24 Compliant * Based on 22° Beam **1840 CCT does not meet Title 24 ^Based on 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 1900-3000K Ink™ 1840 1800-4000K Tunable White* 2765 2700-6500K Tunable White * Not compliant with California Title 24	15 Spot 22 Narrow Flood 36 Flood	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 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 NPEQ0, 20W max * Requires remote mounting	A01 Black Anodize	A01 Black Anodize	Reflector (lamp) Media 91L Solite 92L Supertex (spreader lens) 97L Black Hexcel Louver XXL Other reflector (lamp) media* Accessory Guide	CP Chicago Plenum EM Emergency Pack Controls IR Lutron Wireless RF PowPak ATH Lutron Athena Wireless Node <i>Must be used with E2 driver</i> (<i>DALI-2</i>) CA Casambi Wireless BLE to be paired with driver

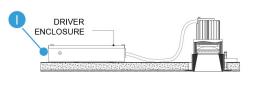


Fixture Details

Machined receiver with integral trim holder / plaster flange attaches to pan or housing with ceiling clamps. Light engine and trim bezel attaches to receiver with ball plungers



- Ceiling Clamp- Inserts into ceiling and automatically spreads during installation
- C 22AWG wire to Driver. Enclosed in flexible conduit connected to driver enclosure.
- D Thermal management system and body. High grade anodized aluminum, precision machined in the U.S.A.
- E LED Assembly- Field serviceable as part of thermal management system (not shown)
- F Relector optic- Field changeable
- **G** Bezel holder- Precision machined in the U.S.A. with ball stud attachment feature for solid locking and field service
- 🖯 Trim Bezel, Molded Polycarbonate finished with 4 color options
- Integral driver and enclosure UL approved for IC-serviceable from below he ceiling
- Finish Trim Flange magnetically attached (flange option)
- Receiver and mounting bracket for Panel Trim/ millwork wood ceiling

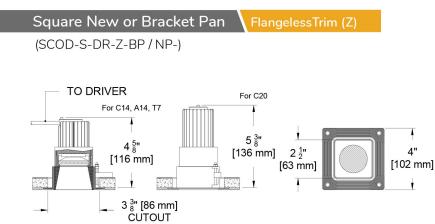




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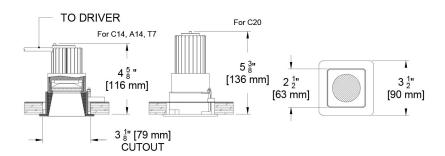


Ceiling Cutouts and Dimensions



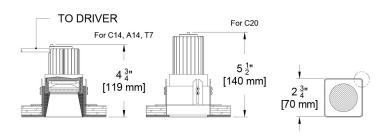
Square New or Bracket Pan Flanged Trim (F)

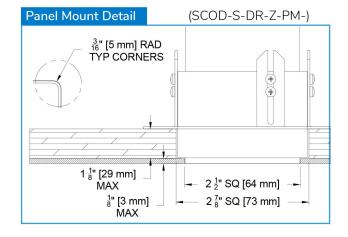
(SCOD-S-DR-F-BP / NP-)



Square Panel Mount

(SCOD-S-DR-Z-PM-)



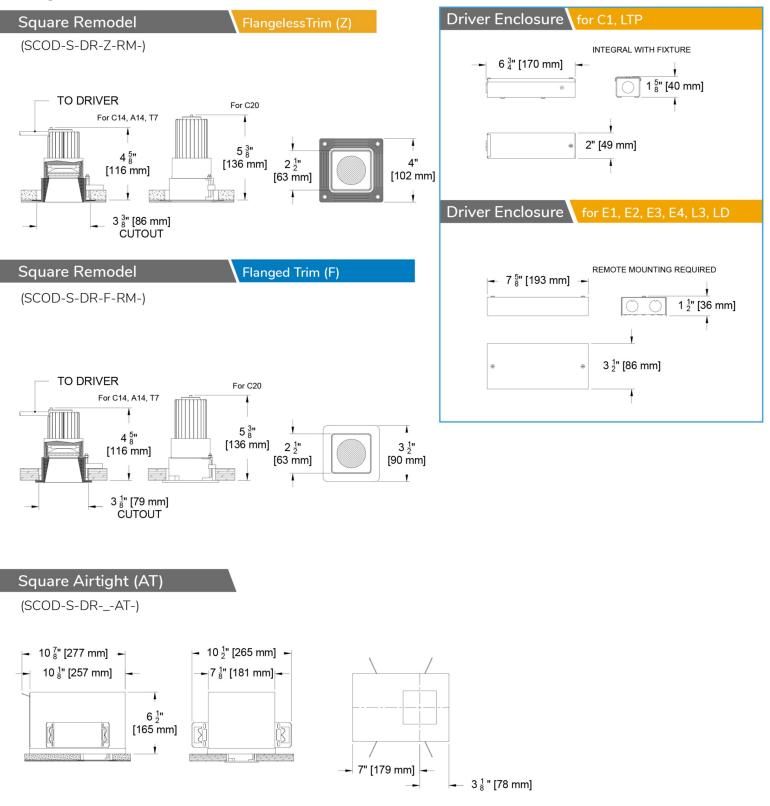


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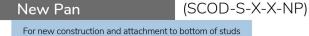
Ceiling Cutouts and Dimensions

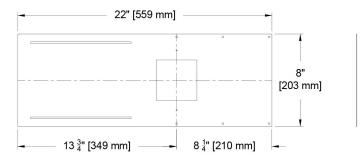


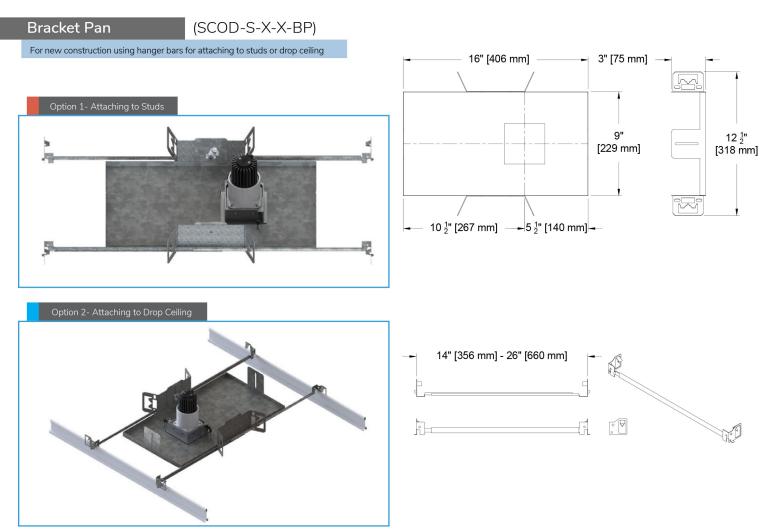
NOTE: Last Updated on Tue, Jul 8, 2025 10:17 AM. These specifications are subject to change without notice.

Mounting Options







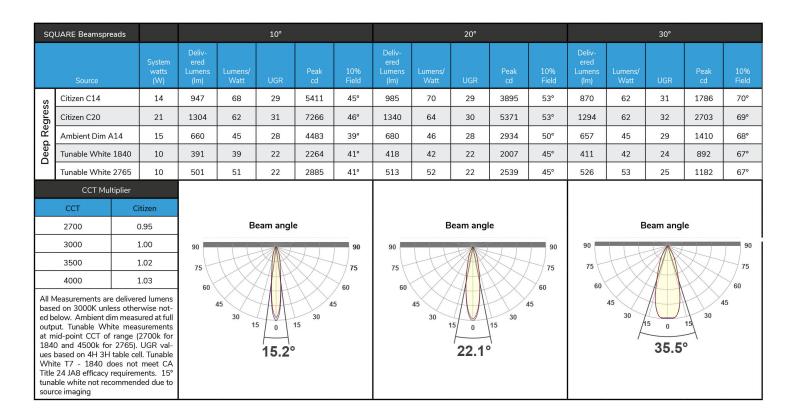


Note: For panel trim mounting see page 3 for picture of detail or refer to installation instructions

Fixed Recessed Accent Light



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.



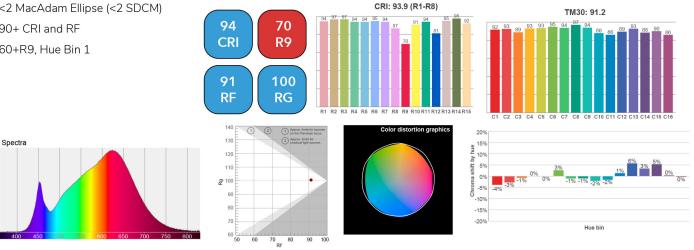
Color Data

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 rated nominal data as listed on their datasheet.

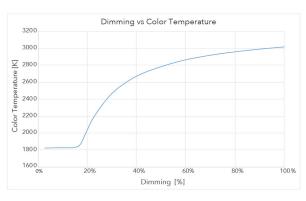
Citizen C20 and C14

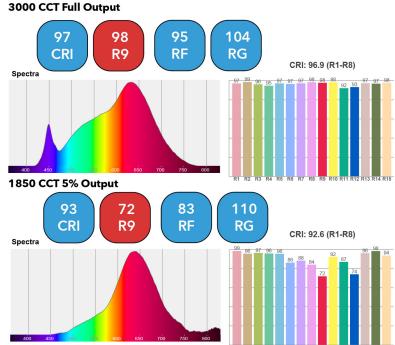
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1



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





Formerly known as 4509

Fixed Recessed Accent Light



Tunable White 1800k to 4000k

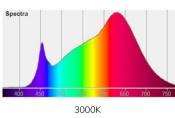
- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 76 R9 average across all CCTs
- Available with wired or wireless control

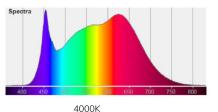
Spectral Power Distributions at all

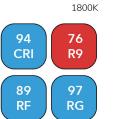
listed CCTs available upon request

îN 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	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 extroplated from actual and analytical tests







Black Body Locus 0.4 1800 0.4 0.3

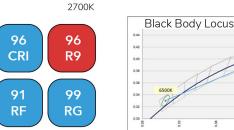


Tunable White 2700k to 6500k

- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across a
- 96 R9 average across al

• Available with wired or v

acAdam Ellipse (<3 SDCM)										
RI average across all CCTs	IN K	TUNABLE WHITE - 2700-6500K								
average across all CCTs									r	
ble with wired or wireless control	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	Flux and Color data based on 20° measurement at 4500k. All other values are extroplated from actual and analytical tests									
Spectra 400 8/0 00 00 20 6/0 70 750 800	Spectra Spectra 750 800									
2700K	5000K					6500K				





890