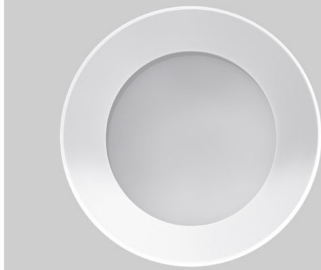


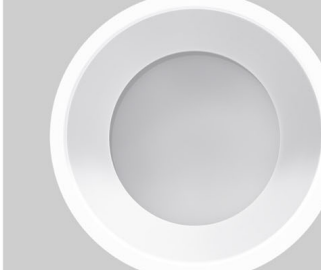
The Core Family

Welcome to the Core 6" fixed downlight where up to 4000 lumens are packaged in Specialty Lighting elegance. You will find a rich diversity of technical and aesthetic options including 2 trim apertures, over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), multiple beam spreads and a plethora of driver and control choices. The Core downlight is created on a platform allowing a high degree of modification, so if you don't see what you are looking for, just ask. We are here to make your project right.

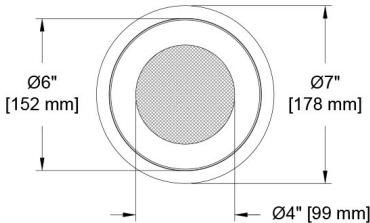
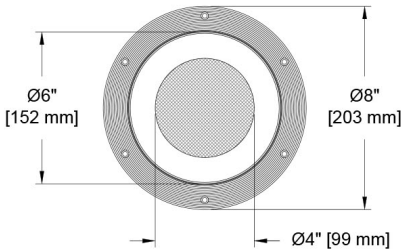
6" Round Z (Flangeless)



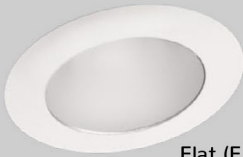
6" Round F (Flanged)



Open Regress shown



Aperture Options



Flat (FL) Pin Hole
6" Optical Aperture

Formerly known as 4021



Open Regress (OR)
6" Optical Aperture

Formerly known as 4020



Wood Finish
All apertures options

ROUND Beamspreads	Open Regress					Flat				
	Citizen				Ambient Dim	Citizen				Ambient Dim
Source	C11	C16	C23	C34	A34	C11	C16	C23	C34	A34
Delivered Lumens	1494	2126	2908	3777	2625	1608	2235	3100	4008	2799
System Watts	13	19	27	38	38	13	19	27	38	38
Fixture Efficacy (LPW)	113	112	106	100	70	124	118	115	105	74

All values are delivered or derived delivered lumens. *C34 and A34 requires Active Cooling

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR6D-RF)



Trim

- Flanged or Flangeless
- Flangeless includes plaster flange with lip
- 14 color options + custom RAL or wood available
- One-piece die cast aluminum or machined wood trim

Source / Optics

- Lifetime: L87B3>55,000 hours at 40°C Ambient
- 2700, 3000, 3500, 4000K, Ambient Dim standard. Tunable White or RGBW available upon request
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 4000 delivered lumens
- 3 beamspreads available- 20°, 38° and 65°

Housing

-  Fixture supports CA Title 24 compliance to JA8 requirements with Airtight Housing
-  Listed – Damp or wet with shower trim
- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring
- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
- Heavy gauge aluminum for new construction or remodel

Driver

- Phase, 0-10, DALI, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015 available
- Prewired and integral to housing
- Universal 120-277v

Core 6" Round Fixed Downlight (152mm)

Formerly known as 4020 and 4021
Fixed Recessed Downlight



Ordering Codes

PROJECT: SPECIFIER:
DATE: TYPE: QUANTITY:

Ordering Code Example: CR6D-RF-OR-Z-AP-C23-35-38-E2-P14-91A-CP

FIXTURE	APERTURE	TRIM	MOUNTING	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	TRIM FINISH	LENS ACCESSORIES	ACCESSORIES
CR6D-RF										
Core 6" Round Fixed Downlight	OR Open Regress FL Flat (Pin Hole)	F Flanged Trim Z Flangeless Trim FS Flanged Shower Trim* ZS Flangeless Shower Trim* * Aperture Lens Required	U Universal - Non-IC Housing AU Universal IC/Airtight* P Plaster - Non-IC Housing AP Plaster IC/Airtight* PM Panel Mount APM Panel Mount Airtight/IC* <div><div></div><div></div></div> Supports CA Title24 compliance *Cannot be used with C34 and A34 Source	Citizen C11 <div><div></div><div></div></div> 13W 1608Lm** 90+CRI, 60+R9 C16 <div><div></div><div></div></div> 19W 2235Lm** 90+CRI, 60+R9 C23 <div><div></div><div></div></div> 27W# 3100Lm** 90+CRI, 60+R9 C34 38W*# 4008Lm** 90+CRI, 60+R9 Ambient Dim A34 38W*# 2799Lm** 90+CRI, 60+R9 <div><div></div><div></div></div> TW 90+CRI, 60+R9 Tunable White^+ RGBW 90+CRI, 60+R9 ^ <div><div></div><div></div></div> Supports CA Title 24 Compliance to JA8. * Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 and LP drivers. # Not compatible with LP Driver. ** Based on Flat 20° beam. ^ Contact Factory for Photometrics. +LTT or EldoLED driver selection required and will be supplied with 2 channel version	27 2700K 30 3000K 35 3500K 40 4000K AD 3000-1900K <div><div></div><div></div><div></div></div> TW18 1800-4000K TW27 2700-6500K	20 Spot 38 Flood 65 Wide Flood	C1 0-10 1.0%, UNV (120-277V) linear C2 ELV/Triac 1.0%, (120-277V) 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 * Not compatible with C23, C34 and A34	W White Paint <div><div></div></div> B Black Paint <div><div></div></div> D Wood* <div><div></div></div> PXX Specialty Paint Color* <div><div>P01-P15</div></div> C Custom/RAL Color** <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> * Wood "D" selection to be used with Z trim and PM mounting - Refer to Wood Trim Guide ** Refer to Finish Guide <div><div>FINISH GUIDE LINK</div></div> <div><div>WOOD TRIM GUIDE</div></div>	Aperture Lens 91A Solite 93A Frosted XXA Other Aperture Lens Treatments* 1 piece of media per opening (aperture or reflector) can be selected. *See Lens Accessory Guide <div><div>LENS ACCESSORY VISUAL GUIDE LINK</div></div>	CP Chicago Plenum EM Emergency Pack EMP Emergency Pack with phase cut control system utilizing C1 driver Controls LR Lutron Wireless RF PowPak ATH Lutron Athena Wireless Node Must be used with E2 driver CA Casambi Wireless BLE to be paired with driver

Core 6" Round Fixed Downlight (152mm)

Formerly known as 4020 and 4021

Fixed Recessed Downlight

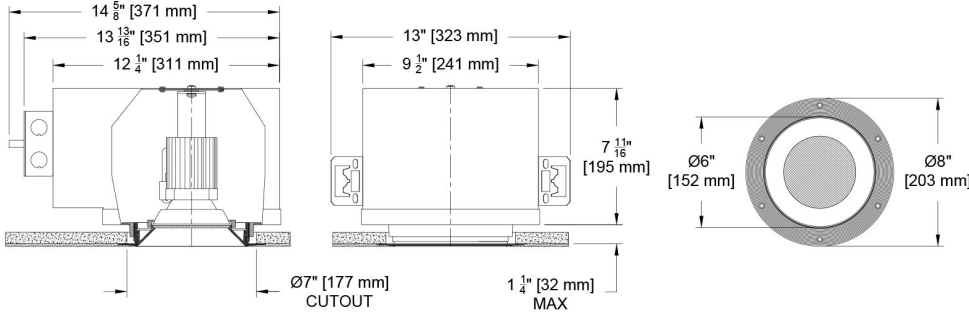
Ceiling Cutouts and Dimensions

Open Regress Shown - Flat similar

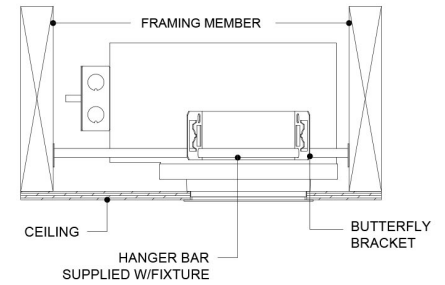
Round Flangeless Housing

Plaster Trim (P/AP)

(CR6D-RF-OR-Z-P/AP)



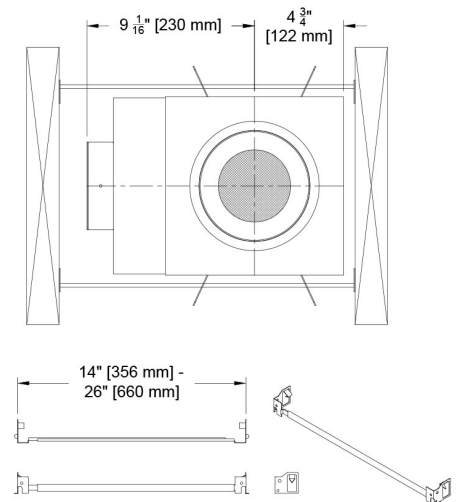
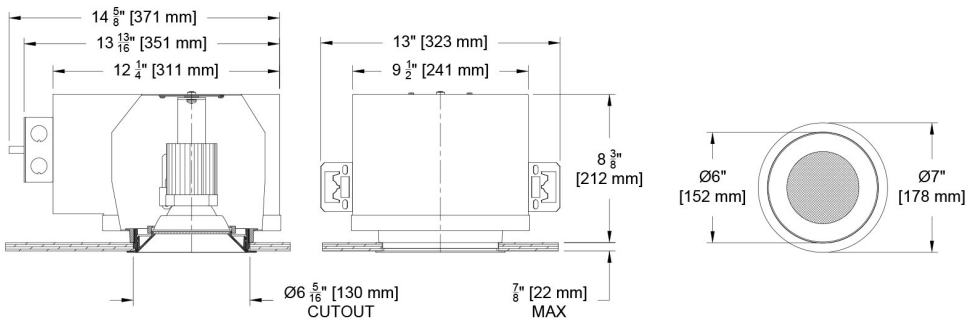
Hanger Bar Detail



Round Flanged Housing

Flanged Mount (U/AU)

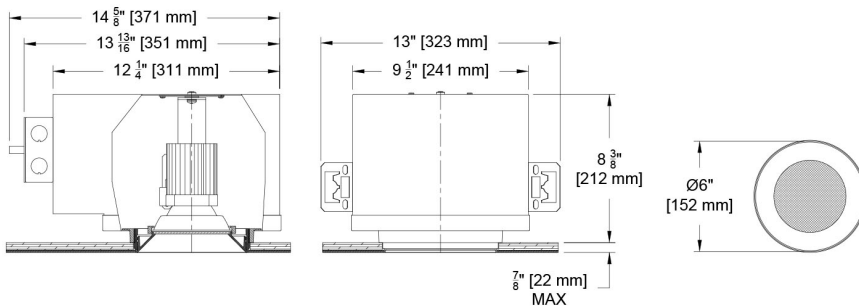
(CR6D-RF-OR-F-U/AU)



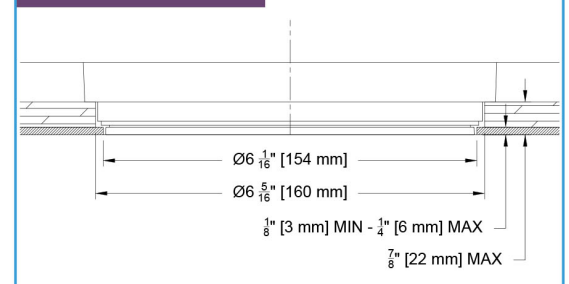
Round Flangeless Housing

Panel Mount (PM/APM)

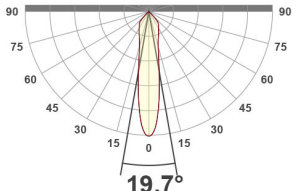
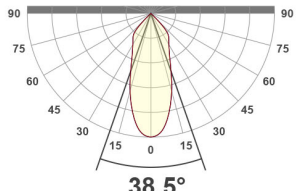
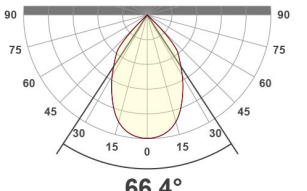
(CR6D-RF-PM/APM-Z)



Panel Mount Detail



Photometric Table All data is delivered lumens based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT. Ambient Dim measured at full output.

ROUND Beamspreads			20°				38°				65°			
Source		System watts (W)	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
Open Regress	Citizen C11	13	1494	113	3945	84°	1478	112	2183	90°	1459	111	1340	93°
	Citizen C16	19	2126	112	5766	84°	2087	110	3066	90°	2080	109	1916	93°
	Citizen C23	27	2908	106	7845	84°	2874	105	4218	90°	2872	105	2650	93°
	Citizen C34*	38	3777	100	10203	84°	3747	100	5556	90°	3685	98	3395	93°
	Ambient Dim A34*	38	2625	70	6975	84°	2635	70	3739	90°	2633	70	2409	92°
Flat (Pin Hole)	Citizen C11	13	1608	122	4187	85°	1558	118	2220	93°	1558	118	1342	97°
	Citizen C16	19	2235	117	5632	86°	2223	116	3165	93°	2222	116	1918	97°
	Citizen C23	27	3100	113	8072	85°	3098	113	4404	93°	3074	112	2659	97°
	Citizen C34*	38	4008	107	10463	85°	3953	105	5616	93°	3945	105	3409	97°
	Ambient Dim A34*	38	2799	74	7162	85°	2798	74	3758	94°	2798	74	2379	98°
CCT Multiplier			Beam angle				Beam angle				Beam angle			
CCT	Citizen													
2700	0.94													
3000	1.00													
3500	1.02													
4000	1.04													
All measurements based on 3000 CCT. Ambient Dim based on full output.														

* Requires active cooling. ISO CD plot based on Open Regress with C23 source

Color Data

All data is based from goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT

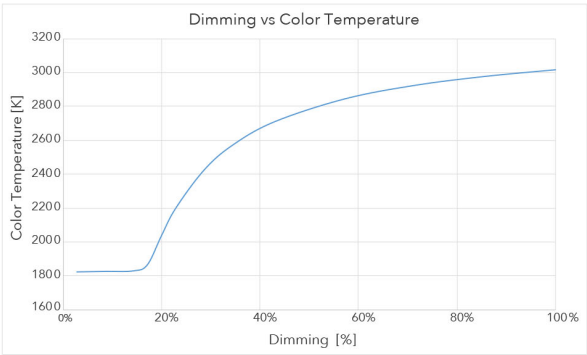
Citizen Sources - C11, C16, C23 and C34

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



Ambient Dim A34 - 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

