

# The Confetti Family



Just like little pieces of paper floating from the sky can create an amazing image in a parade, Confetti™ offers a fun way to deliver light in small packages. The Confetti™ family's array of options include recessed downlights, wallwashers, eyeball adjustables and surface offerings in the form of tiny monopoints and pendants.

PROJECT: TYPE:  
SPECIFIER: DATE:

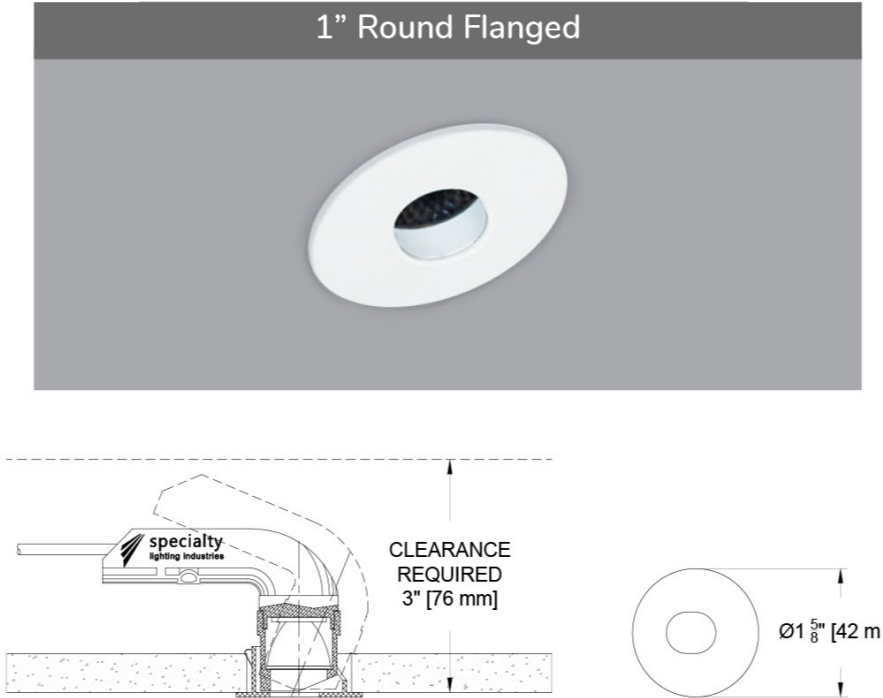
## Key Points (CF1D-RA-FLO)

- Trim**
- Distinctive, small 1" round adjustable downlight
  - Flanged trim available for retrofit type installation, no housing required.
  - Flanged trim features micro-bite wing springs.
  - White or Black standard finish for aperture bezel and flanged trims.

- Source / Optics**
- TM21-11/L80>60,000 hours at 40°C Ambient
  - 2700k, 3000k and 3500k available.
  - 2 beamspreads available - 20° & 28°
  - Up to 1246 Peak CD
  - Up to 254 delivered lumens from our very small, 1" aperture
  - <3 MacAdam Steps (<3SDCM) for fixed white
  - 90 CRI, 60+ R9 Standard

- Housing**
-  IC Rated / airtight housing approved for use in direct contact with insulation meeting CA Title 24 requirements.
  -  - listed for Wet Location
  - Wire pigtails are CMP rated for plenum use.

- Drivers**
- Configurable driver box for up to 4 Confetti™ fixtures on a single remote driver. Can be mixed with other fixtures within the Confetti™ family. Quantity of driver boxes needs to be specified based upon number of fixtures and control zone requirements.
  - Remote Universal EldoLED driver, 120-277V
  - Flicker free to IEEE 1789-2015
  - 0-10 volt, DALI



ROUND			20°				28°			
Aperture Type	Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field
Flat	SG7	8	205	27	1246	37°	254	34	1062	44°

Ordering Codes

PROJECT: SPECIFIER:  
DATE: TYPE: QUANTITY:

Ordering Code Example: CF1D-RA-FLO-SG7-27-20-CFD/E1-1-B-B-ATH

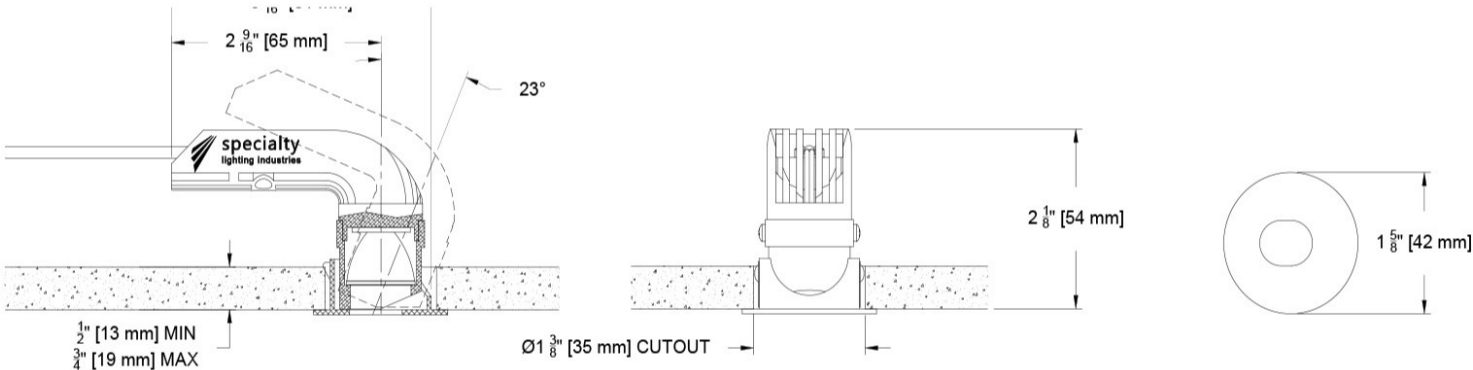
FIXTURE	TRIM	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	DRIVER QUANTITY	TRIM FINISH	ACCESSORIES
CF1D-RA-FLO								
Confetti™ 1" Round Adjustable (Oval Flat Pin Hole)	<div>F Flanged Trim^</div> <div>* Recommend that CFCBHS tool listed under Accessories be purchased for easy installation. Refer to Ceiling Cutouts and Dimensions for details. Trim finish does not apply to flangeless trims.</div> <div>^ Must specify trim finish for flanged trim</div>	<div>SG7 8W 205Lm* 90+CRI, 65+R9</div>	<div>27 2700K</div> <div>30 3000K</div> <div>35 3500K</div>	<div>20 Spot</div> <div>28 Narrow Flood</div>	<div>CFD/E1 0-10* 0.1%, UNV (120-277V) log</div> <div>CFD/E2 DALI-2* 0.1%, UNV (120-277V) log</div> <div>CFD/E3 0-10* 0.1%, UNV (120-277V) linear</div> <div>TR2 TruPhase™ 0.1%, (100-277V) Up to 20W Forward and Reverse compatible Phase Dimming 2 Dimming Curves: Linear/Logarithmic Static White &amp; Ambient Dim only</div> <div>K No driver required. (CFD box has been specified with another Confetti product)</div> <div>* Remote driver only. Maximum 4 fixtures per driver.</div>	<div># Specify number of drivers</div> <div>Must specify # of driver boxes based upon control requirements and 1-4 fixtures per driver.</div> <div>See Electrical Configuration and Control section of cut sheets for details.</div>	<div>B Black Paint</div> <div>W White Paint</div>	<div>CCBHS Confetti Counter Bore Hole Saw</div> <div>Controls</div> <div>ATH Lutron Athena Wireless Node Must be used with E2 driver</div>

Ceiling Cutouts and Dimensions

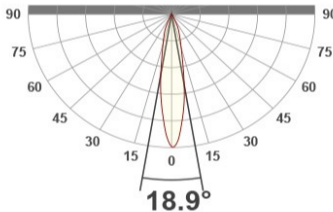
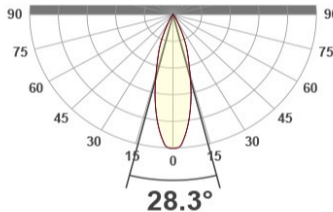
Adjustable Oval Flat Pin Hole

Round Flanged

Flat / Pin Hole (FLO)  
(CF1D-RA-FLO-SG7)



Photometric Table

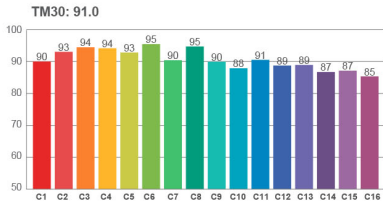
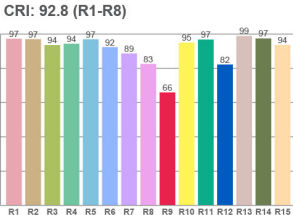
ROUND Beamspreads			20°				28°			
Source		System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field
Flat	SG7	8	205	27	1246	37°	254	34	1062	44°
CCT Multiplier			<div>Beam angle</div> 				<div>Beam angle</div> 			
CCT	CITIZEN									
2700	0.95									
3000	1.00									
3500	1.02									
4000	1.03									
All measurements based on 3000 CCT.										

All measurements are delivered lumens based on 3000K unless otherwise noted below.  
ISO cd Plots based on Deep Regress with SG7 Source. Refer to photometry tab on product page for exact ISO cd plot and IES files.  
The following combinations do not meet CA Title 24 JA8 requirements: Flat Aperture SG7 source in all beam spreads.s.

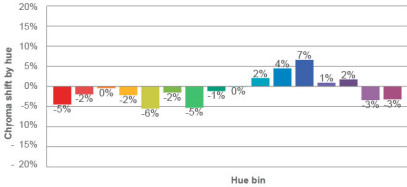
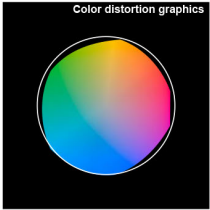
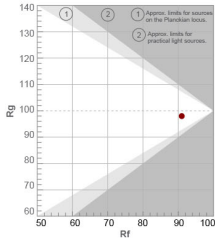
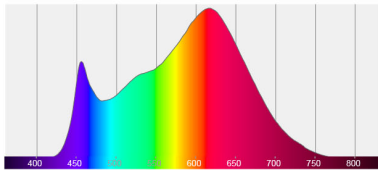
All Color information is based on goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer data range as listed on their datasheet.

Specialty Array - SG7

- <3 MacAdam Ellipse (<3 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1 and 16



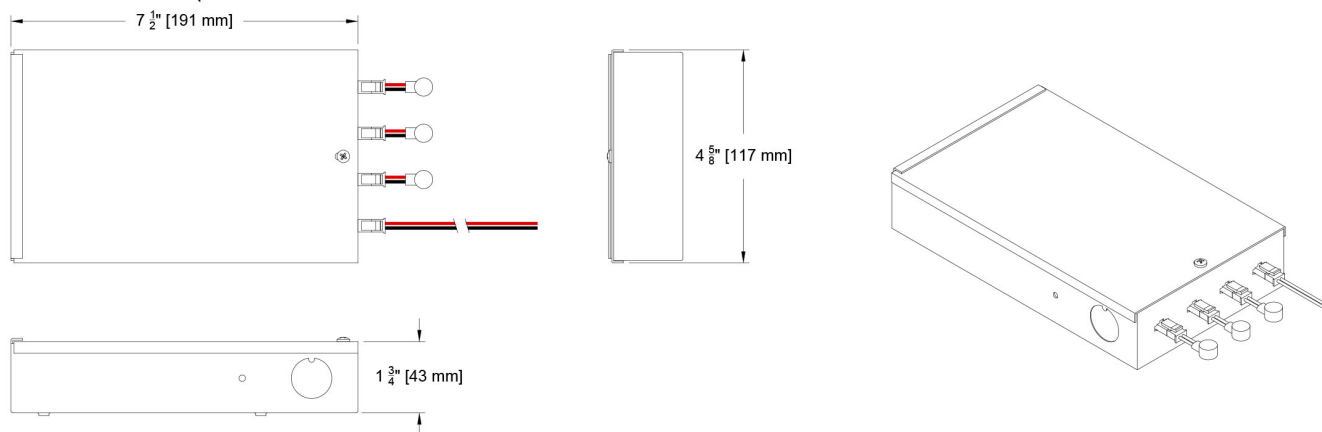
Spectra



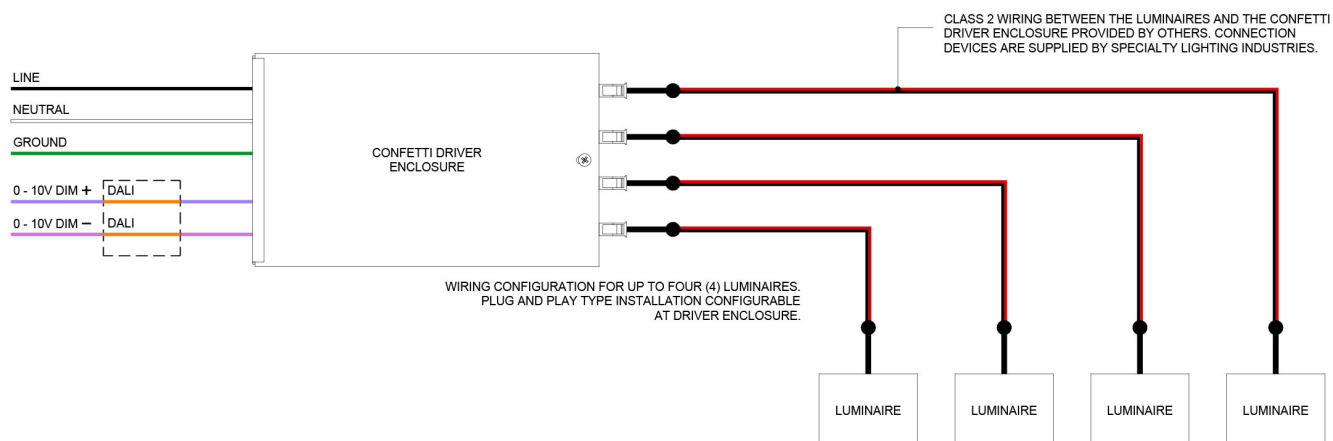
## Electrical Configuration and Control

### Confetti Driver Enclosure for CFD/E1, CFD/E2, CFD/E3

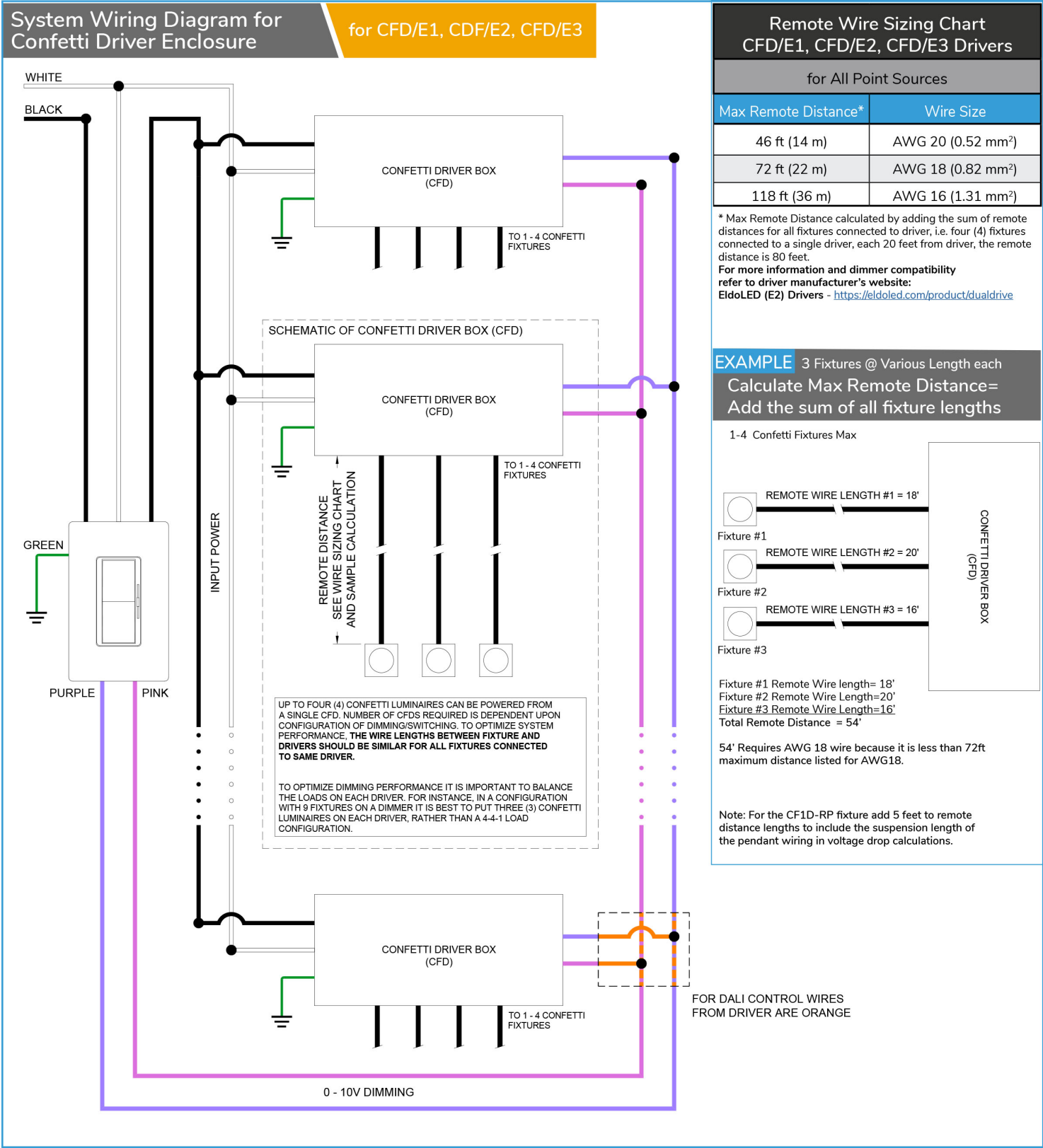
REMOTE MOUNTING REQUIRED



### Schematic Wiring Diagram for CFD/E1, CFD/E2, CFD/E3



# Electrical Configuration and Control



### Remote Wire Sizing Chart

CFD/E1, CFD/E2, CFD/E3 Drivers

for All Point Sources

Max Remote Distance*	Wire Size
46 ft (14 m)	AWG 20 (0.52 mm²)
72 ft (22 m)	AWG 18 (0.82 mm²)
118 ft (36 m)	AWG 16 (1.31 mm²)

\* Max Remote Distance calculated by adding the sum of remote distances for all fixtures connected to driver, i.e. four (4) fixtures connected to a single driver, each 20 feet from driver, the remote distance is 80 feet.  
For more information and dimmer compatibility refer to driver manufacturer's website:  
EldoLED (E2) Drivers - <https://eldoled.com/product/dualdrive>

**EXAMPLE** 3 Fixtures @ Various Length each  
Calculate Max Remote Distance=  
Add the sum of all fixture lengths

1-4 Confetti Fixtures Max

REMOTE WIRE LENGTH #1 = 18'

REMOTE WIRE LENGTH #2 = 20'

REMOTE WIRE LENGTH #3 = 16'

Fixture #1  
Fixture #2  
Fixture #3

CONFETTI DRIVER BOX (CFD)

Fixture #1 Remote Wire length= 18'  
Fixture #2 Remote Wire Length=20'  
Fixture #3 Remote Wire Length=16'  
Total Remote Distance = 54'

54' Requires AWG 18 wire because it is less than 72ft maximum distance listed for AWG18.

Note: For the CF1D-RP fixture add 5 feet to remote distance lengths to include the suspension length of the pendant wiring in voltage drop calculations.