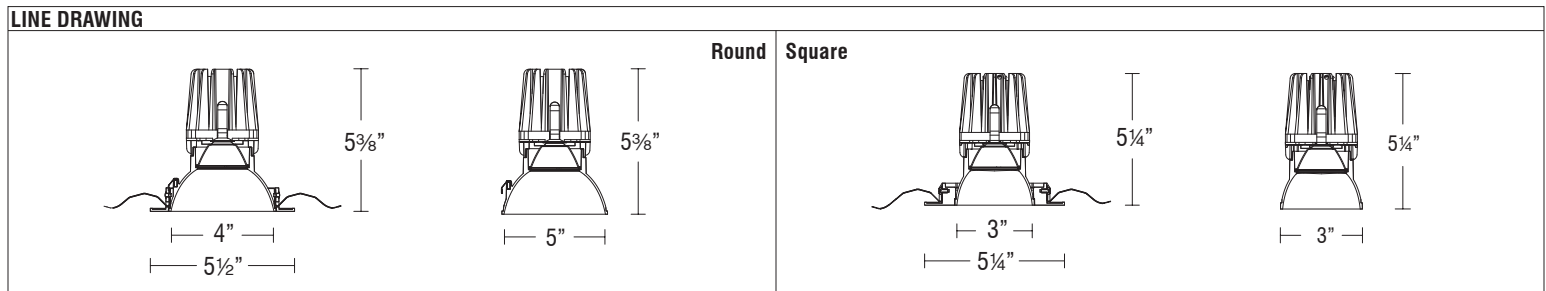


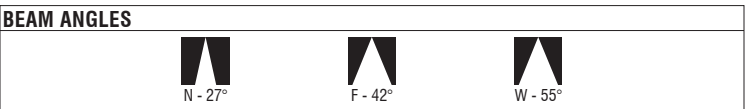
## FQ Color Changing 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_



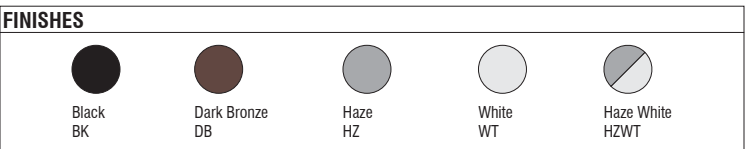
**PRODUCT DESCRIPTION**  
 Full Visible Spectrum color-tuning LEDs feature improved efficacy and lumens, as well as refined optical technology that offers human-centric recessed downlighting, catering to the needs of the modern technologist and integrator. Choose any color you can imagine, including the crispest white light or the softest pastel, with the ability to control gradients of saturated colors and a Tunable White CCT range from 1800-6500K.



**SPECIFICATIONS**

**Construction:** Durable die-cast self flanged aluminum construction

**Mounting:** Heavy gauge retention clips support trim firmly  
 Ceiling cut out (Round): Trim  $\varnothing$  4 3/4"   
 Trimless  $\varnothing$  4 3/4"   
 Ceiling cut out (Square): Trim 4 3/4" x 4 3/4"   
 Trimless 4 3/4" x 4 3/4"   
 Accommodates 1/2" - 1" ceiling thickness



**Light Source:** High output 3-step Mac Adam Ellipse COB  
 Rated life of 50,000 hours at L70

**Input:** Universal 120-277V AC, 50/60 Hz

**Dimming:** DMX512-A RDM

**Maximum Delivered Intensity:** Up to 3,276 cd (Round Narrow Flood 27°, 5000K)

**Maximum Delivered Output:** Up to 1,238 lm (Round Narrow Flood 27°, 5000K)

**Operating Temperature:** -4°F to 104°F (-20°C to 40°C)

**Standards:** ETL & cETL Wet location listed

**Warranty:** 5 year WAC Lighting guaranteed warranty

Model	Beam		Lumens Ref Output*	CBCP Ref Output*	Color Temp	CRI
R4FRDT Round Trim	N 27°	Round	1105	2925	CC Color Changing	90+
R4FRDL Round Trimless		Square	1085	2820		
R4FSDT Square Trim	F 42°	Round	1030	1620		
R4FSDL Square Trimless		Square	1015	1615		
	W 55°	Round	1080	1490		
		Square	1055	1430		

Lumens and CBCP are reference values for a trim fixture set to 3000K Color Temperature. Refer to Multiplier Table in Performance Data to determine other outputs.



# FQ Color Changing 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

## ORDERING INFORMATION

CONFIGURATION TABLE		
Model	Color Temperature & CRI	Reflector Finish
<b>R4FRDT</b>	<b>CCX</b> - Color Changing	<b>BK</b> - BLACK
<b>R4FRDL</b>		<b>DB</b> - DARK BRONZE
<b>R4FSDT</b>		<b>HZ</b> - HAZE
<b>R4FSDL</b>		<b>HZWT</b> - HAZE/WHITE <b>WT</b> - WHITE

### R4FRDT-CCX-\_\_

Example: R4FRDT-CCX-WT

ACCESSORIES	
LENS-16-HCM	<i>Honeycomb Louver</i>
LENS-16P-CRL-BK	<i>Cross Louver</i>
LENS-16AMB	<i>Amber Lens</i>
LENS-16RED	<i>Red Lens</i>
LENS-16BLU	<i>Blue Lens</i>
LENS-16GRN	<i>Green Lens</i>
LENS-16SPR	<i>Spread Lens</i>
LENS-16BEL	<i>Beam Elongating Lens</i>

### ORDERING NOTES

1. The "Haze/White" finish is only available on trimmed fixtures (R4FRDT, R4FSDT).
2. The "Haze" finish is only available on trimless fixtures (R4FRDL, R4FSDL).
3. Flood beam (F - 42°) reflector comes pre-installed. All three reflector options (N-27°, F-42°, and W-55°) are included.

# FQ Color Changing 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

## ORDERING INFORMATION

Housings	Model	Power	Rating
New Construction Airtight Trimmed Round & Square	<b>R4FBNT-CCX</b>	15W	IC
New Construction Airtight Trimless Round	<b>R4FRNL-CCX</b>	15W	IC
New Construction Airtight Trimless Square	<b>R4FSNL-CCX</b>	15W	IC
New Construction Frame-In Trimmed Round & Square	<b>R4FBFT-CCX</b>	15W	Non-IC
New Construction Frame-In Trimless Round	<b>R4FRFL-CCX</b>	15W	Non-IC
New Construction Frame-In Trimless Square	<b>R4FSFL-CCX</b>	15W	Non-IC
New Construction Frame-In Trimmed Round & Square	<b>R4FBFT-CCX</b>	15W	Non-IC
New Construction Frame-In Trimless Round	<b>R4FRFL-CCX</b>	15W	Non-IC
New Construction Frame-In Trimless Square	<b>R4FSFL-CCX</b>	15W	Non-IC

**R4F\_\_-CCX**  
 Example: R4FBNT-CCX

# FQ Color Changing 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

## FEATURES

<p><b>Optics:</b></p> <ul style="list-style-type: none"> <li>• High lumen output across the full RGB color gamut and CCT range of 1800K - 6500K</li> <li>• Powerful glare control due to the fixtures 30° shielding angle, 45° vertical tilting, and 360° horizontal rotation</li> </ul>	<p><b>Construction:</b></p> <ul style="list-style-type: none"> <li>• Two piece die-cast aluminum constructed body and trim</li> </ul>
<p><b>LED:</b></p> <ul style="list-style-type: none"> <li>• High output COB LED with a 3-step Mac Adam ellipse</li> <li>• Rated operational life of 50,000 hours at L70 (LED maintains 70% of its initial delivered lumens when brand new for 50,000 hours of use.)</li> </ul>	<p><b>Trim and Reflector:</b></p> <ul style="list-style-type: none"> <li>• Reflectors with beam angles of 27°, 42°, and 55° are all included and swappable</li> </ul>
<p><b>Electrical:</b></p> <ul style="list-style-type: none"> <li>• Input power is universal 120-277VAC and 50/60 Hz</li> <li>• Available in 14W and 18W power levels</li> </ul>	<p><b>Installation:</b></p> <ul style="list-style-type: none"> <li>• Light engine is mounted onto the trim using springs that allow for easy replacement</li> <li>• Heavy gauge retention clips firmly support the trim within the housing</li> </ul>
<p><b>Dimming:</b></p> <ul style="list-style-type: none"> <li>• DMX512-A with RDM control is built-in for full control of the RGB color gamut and Tunable White CCT range of 1800K - 6500K</li> </ul>	<p><b>Warranty:</b></p> <ul style="list-style-type: none"> <li>• WAC Architectural limited warranty up to 5 years</li> <li>• Full warranty found at: <a href="http://wacighting.com/warranty">wacighting.com/warranty</a></li> </ul>
<p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• The White, Black, and Dark Bronze finishes are all electrostatically powder coated</li> <li>• The Haze finish is enamel coated</li> </ul>	

## FQ Color Changing

### 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: \_\_\_\_\_

Project: \_\_\_\_\_

Catalog#: \_\_\_\_\_

Location: \_\_\_\_\_

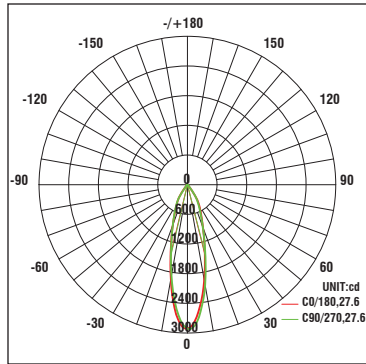
## PERFORMANCE DATA

### Polar Candela Distribution Charts

Samples shown from a trimmed fixture set to 3000K.

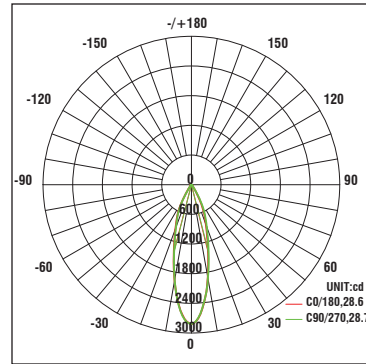
#### ROUND

##### Narrow Flood Beam: 27° Beam

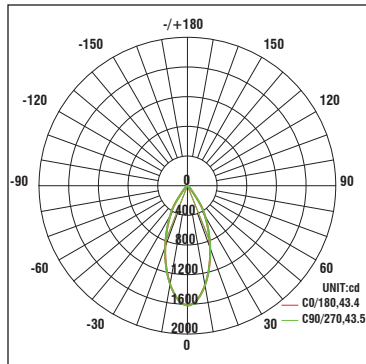


#### SQUARE

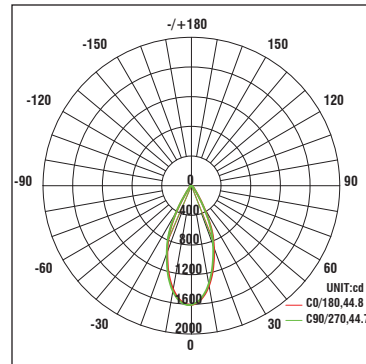
##### Narrow Flood Beam: 27° Beam



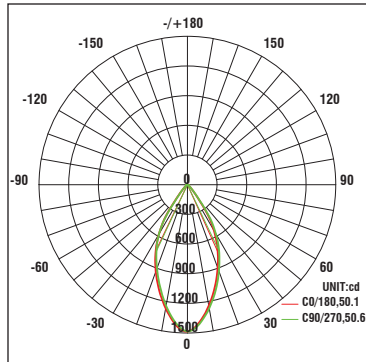
##### Flood Beam: 42° Beam



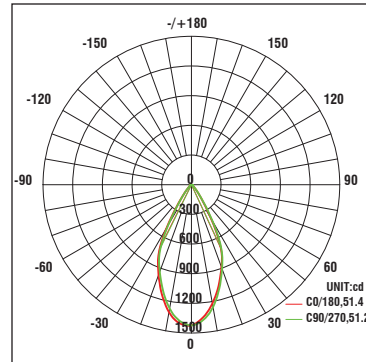
##### Flood Beam: 42° Beam



##### Wide Flood Beam: 55° Beam



##### Wide Flood Beam: 55° Beam



# FQ Color Changing 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

## PERFORMANCE DATA

### Unified Glare Rating (UGR) Table

UGR values shown are calculated using trimmed fixtures set to 3000K.

Round Fixture	Angle	UGR Range
Narrow Flood	27°	≤17
Flood	42°	≤19
Wide Flood	55°	≤19

Square Fixture	Angle	UGR Range
Narrow Flood	27°	≤18
Flood	42°	≤19
Wide Flood	55°	≤19

### Lumens and CBCP Multiplier Table

Use the below table to determine lumens and CBCP values for the combinations of power, color temperature, and CRI values.

LUMENS AND CBCP MULTIPLIER								
Housing Wattage	Color Temperature							
	1800K	2200K	2700K	3000K	3500K	4000K	5000K	6500K
15W	0.70	0.86	0.97	1.00	1.04	1.08	1.12	1.10

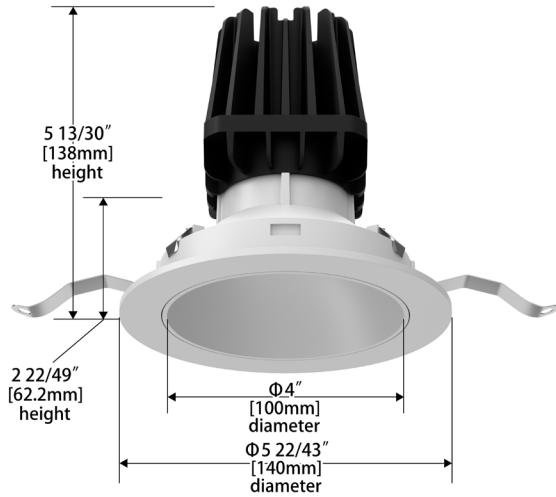
FQ Color Changing  
4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

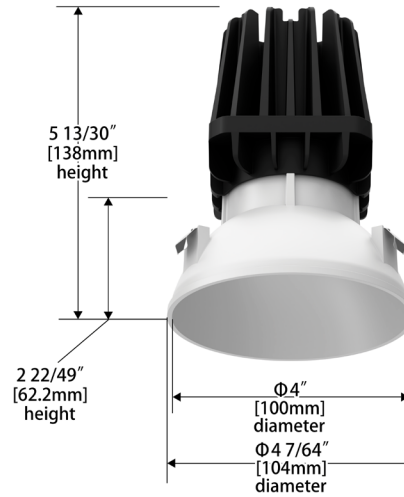
Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

**DIMENSIONAL DIAGRAMS**

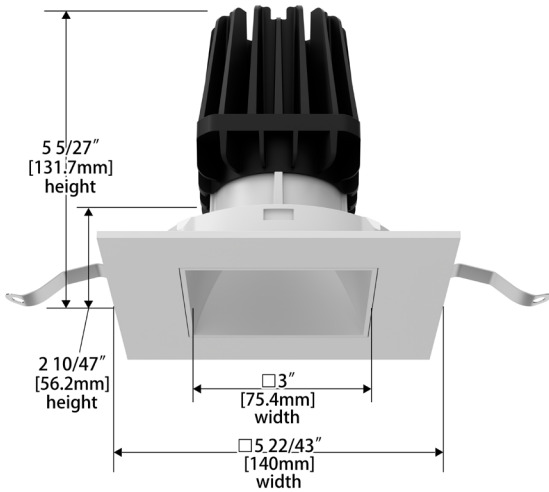
**Round Trim (R4FRDT)**



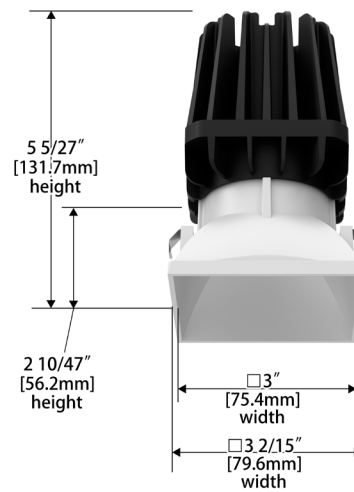
**Round Trimless (R4FRDL)**



**Square Trim (R4FSDT)**



**Square Trimless (R4FSDL)**



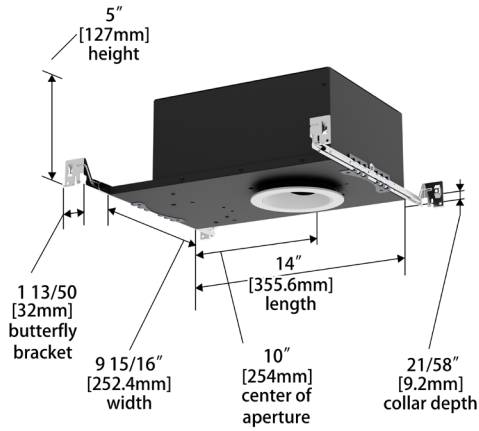
FQ Color Changing  
4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

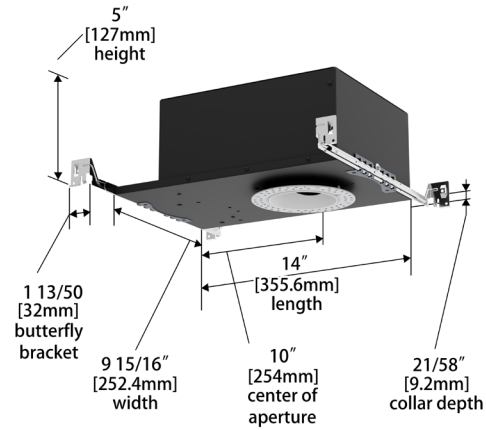
Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_

**DIMENSIONAL DIAGRAMS**

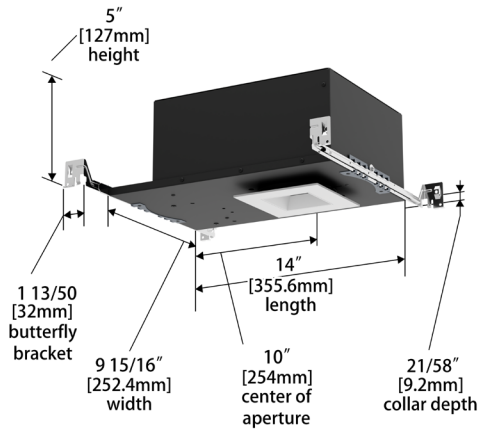
**New Construction - Round Trim**



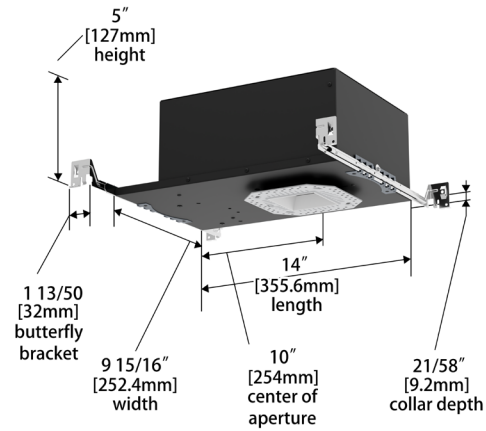
**New Construction - Round Trimless**



**New Construction - Square Trim**



**New Construction - Square Trimless**



# FQ Color Changing

## 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

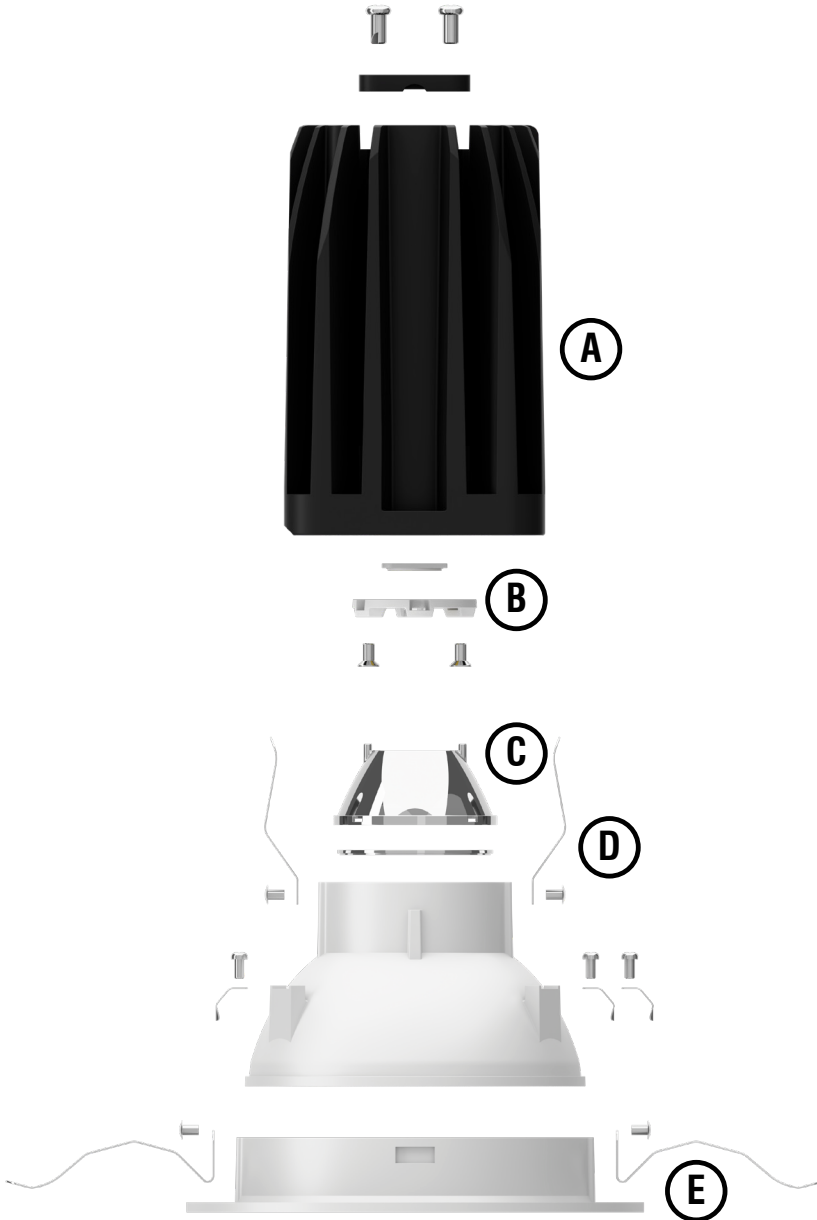
Fixture Type: \_\_\_\_\_

Project: \_\_\_\_\_

Catalog#: \_\_\_\_\_

Location: \_\_\_\_\_

### EXPLODED VIEW DIAGRAM



Exploded View	
<b>A</b>	<b>Heat Sink</b>
<b>B</b>	<b>LED</b>
<b>C</b>	<b>Reflector</b>
<b>D</b>	<b>Lens</b>
<b>E</b>	<b>Trim</b>