

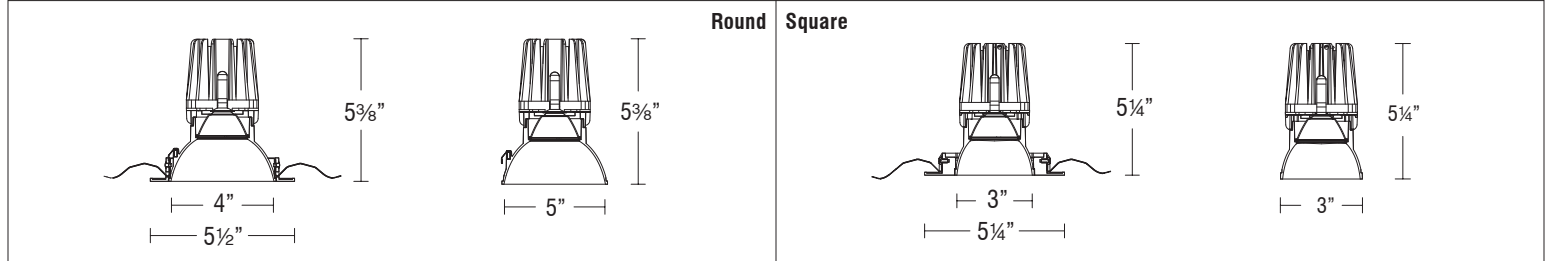
## FQ Color Changing 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

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



### LINE DRAWING



### 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.

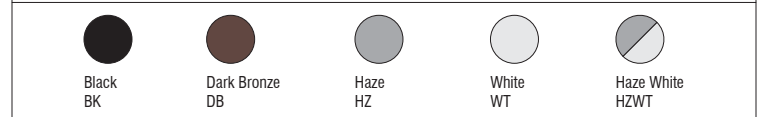
### SPECIFICATIONS

<b>Construction:</b>	Durable die-cast self flanged aluminum construction
<b>Mounting:</b>	Heavy gauge retention clips support trim firmly Ceiling cut out (Round): Trim $\varnothing 4\frac{3}{4}"$ Trimless $\varnothing 4\frac{3}{4}"$ Ceiling cut out (Square): Trim $4\frac{3}{4}" \times 4\frac{3}{4}"$ Trimless $4\frac{3}{4}" \times 4\frac{3}{4}"$ Accommodates 1/2" - 1" ceiling thickness
<b>Light Source:</b>	High output 3-step Mac Adam Ellipse COB Rated life of 50,000 hours at L70
<b>Input:</b>	Universal 120-277V AC, 50/60 Hz
<b>Dimming:</b>	DMX512-A RDM
<b>Maximum Delivered Intensity:</b>	Up to 3,276 cd (Round Narrow Flood 27°, 5000K)
<b>Maximum Delivered Output:</b>	Up to 1,238 lm (Round Narrow Flood 27°, 5000K)
<b>Operating Temperature:</b>	-4°F to 104°F (-20°C to 40°C)
<b>Standards:</b>	ETL & cETL Wet location listed
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

### BEAM ANGLES



### FINISHES



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.

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### 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

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

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### 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

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

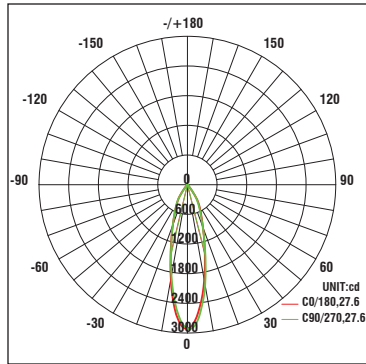
## PERFORMANCE DATA

### Polar Candela Distribution Charts

Samples shown from a trimmed fixture set to 3000K.

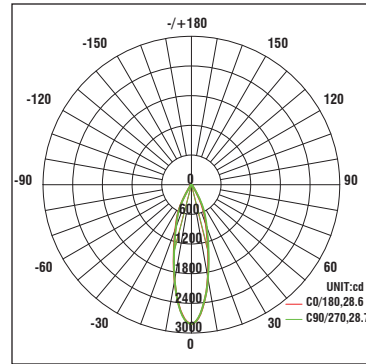
#### ROUND

##### Narrow Flood Beam: 27° Beam

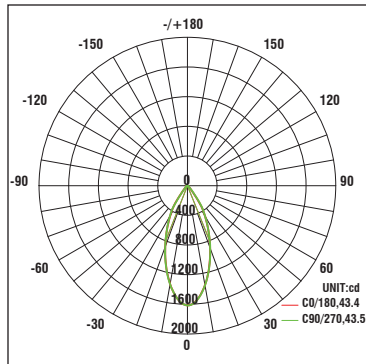


#### SQUARE

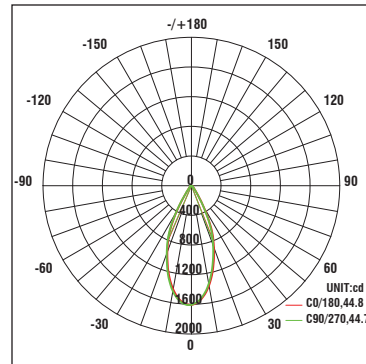
##### Narrow Flood Beam: 27° Beam



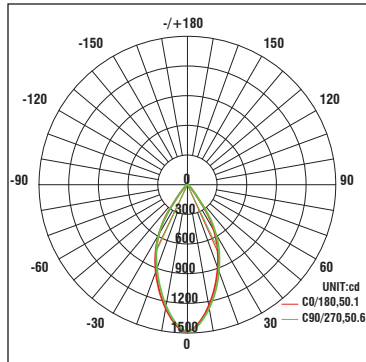
##### Flood Beam: 42° Beam



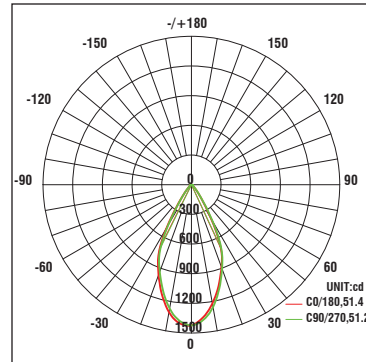
##### Flood Beam: 42° Beam



##### Wide Flood Beam: 55° Beam



##### Wide Flood Beam: 55° Beam



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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