

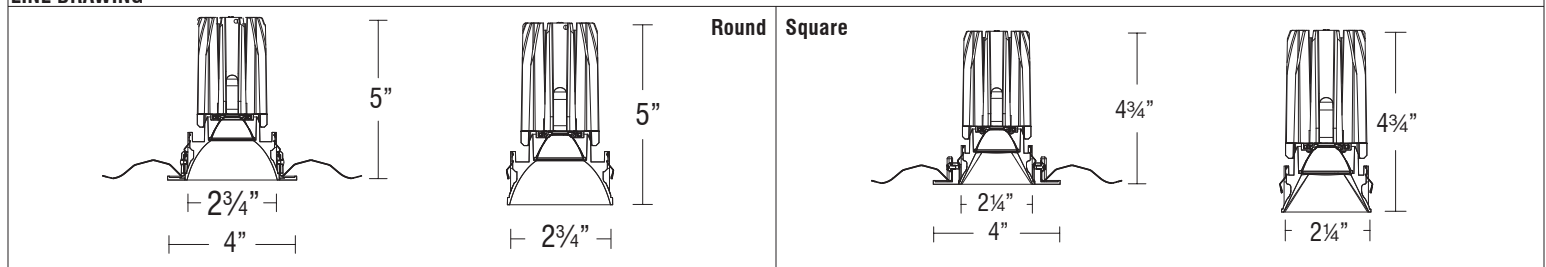
## FQ 2" Downlight

R2FRDT | R2FRDL | R2FSDT | R2FSDL

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



### LINE DRAWING



### PRODUCT DESCRIPTION

The FQ Recessed series offers a complete line of high performance LED luminaires that provide outstanding functionality and quality. The FQ series features superlative glare control with 30° shielding, 35° vertical tilting, and uniform floor-to-ceiling wall washing. Multiple power level options and a full line of round and square, trimmed and trimless luminaires offer versatile solutions for various lighting applications. Easy to order, install, and service.

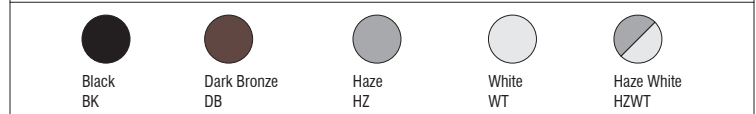
### SPECIFICATIONS

<b>Construction:</b>	Durable die-cast aluminum construction
<b>Mounting:</b>	Heavy gauge retention clips support trim firmly Ceiling cut out (Round): Trim $\varnothing 3\frac{1}{2}"$ Trimless $\varnothing 3\frac{1}{2}"$ Ceiling cut out (Square): Trim $3\frac{1}{2}" \times 3\frac{1}{2}"$ Trimless $3\frac{1}{2}" \times 3\frac{1}{2}"$ 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>	ELV, TRIAC, 0-10V: 100 - 1%
<b>Maximum Delivered Intensity:</b>	Up to 5,947 cd (Round Narrow Flood 25°, 25W, 4000K, CRI 90)
<b>Maximum Delivered Output:</b>	Up to 2,168 lm (Round Narrow Flood 25°, 25W, 4000K, CRI 90)
<b>Operating Temperature:</b>	-4°F to 104°F (-20°C to 40°C)
<b>Standards:</b>	ETL & cETL Wet location listed, Energy Star 2.0, Title 24 JA8 Compliant
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

### BEAM ANGLES



### FINISHES



Model	Beam	Lumens Ref Output*	CBCP
R2FRDT Round Trim	N 25°	Round	2045
		Square	5610
R2FRDL Round Trimless	F 40°	Round	2025
		Square	3790
R2FSDT Square Trim	W 55°	Round	1950
		Square	3275
R2FSDL Square Trimless	W 55°	Round	1970
		Square	2975
			2525

\*Lumens and CBCP are reference values for a trim fixture with 3 housing 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 & Power	Color Temperature & CRI	Reflector Finish
<b>R2FRDT</b>	<b>927</b> - 2700K - 90	<b>BK</b> - BLACK
<b>R2FRDL</b>	<b>930</b> - 3000K - 90	<b>DB</b> - DARK BRONZE
<b>R2FSDT</b>	<b>935</b> - 3500K - 90	<b>HZ</b> - HAZE
<b>R2FSDL</b>	<b>940</b> - 4000K - 90	<b>HZWT</b> - HAZE/WHITE
		<b>WT</b> - WHITE

**R2FRDT-\_\_\_ - \_\_**

Example: R2FRDT-930-WT

### ORDERING NOTES

1. The "Haze/White" finish is only available on trimmed fixtures (R2FRDT, R2FSDT).
2. The "Haze" finish is only available on trimless fixtures (R2FRDL, R2FSDL).
3. All three reflector options (N-25°, F-40°, and W-55°) are included.

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### ORDERING INFORMATION

HOUSINGS				
	Model	Power		Emergency Backup
New Construction Airtight - Round & Square Trim	<b>R2FBNT</b>	1	15W IC	<b>EM</b> <i>Optional</i>
		2	21W IC	
		3	25W Non-IC	
New Construction Frame-In - Round & Square Trim	<b>R2FBFT</b>	1	15W Non-IC	<b>EM</b> <i>Optional</i>
		2	21W Non-IC	
		3	25W Non-IC	
Remodel - Round & Square Trim	<b>R2FBRT</b>	1	15W Non-IC	N/A
		2	21W Non-IC	
		3	25W Non-IC	
New Construction IC Airtight - Round Trimless	<b>R2FRNL</b>	1	15W IC	N/A
		2	21W IC	
		3	25W Non-IC	
New Construction IC Airtight - Square Trimless	<b>R2FSNL</b>	1	15W IC	N/A
		2	21W IC	
		3	25W Non-IC	
Remodel - Round Trimless	<b>R2FRRL</b>	1	15W Non-IC	N/A
		2	21W Non-IC	
		3	25W Non-IC	
Remodel - Square Trimless	<b>R2FSRL</b>	1	15W Non-IC	N/A
		2	21W Non-IC	
		3	25W Non-IC	
Remodel - Round & Square Trim	<b>R2FBR2T</b>	1	15W IC	N/A
		2		
		3		

**R2F**\_\_\_\_-\_  
 Example: R2FBNT-3

Millwork Housings	Size	Power
New Construction Round <b>R2FRNM</b>	A 0.8"	1 15W IC
	B 1.5"	2 21W IC
		3 25W Non-IC
New Construction Square <b>R2FSNM</b>	A 0.8"	1 15W IC
	B 1.5"	2 21W IC
		3 25W Non-IC

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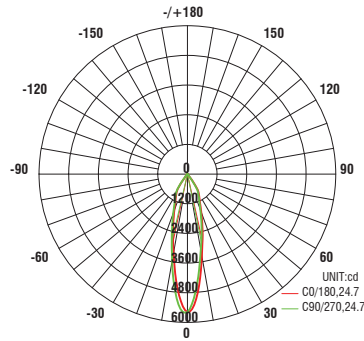
### PERFORMANCE DATA

#### Polar Candela Distribution Charts

Samples shown with a fixture set to 25W, 3000K, and 90 CRI.

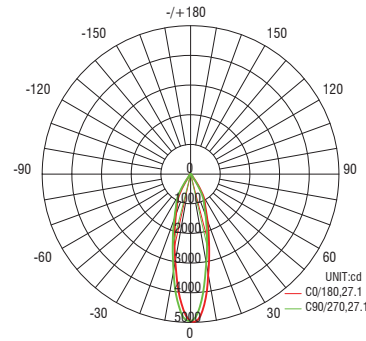
#### ROUND

##### Narrow Flood Beam: 25° Beam

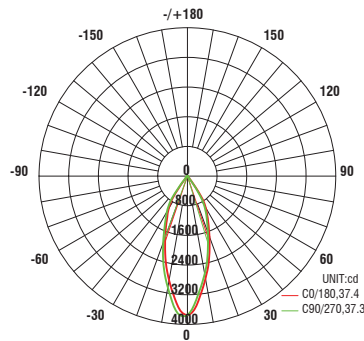


#### SQUARE

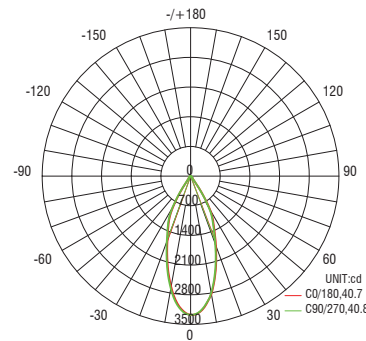
##### Narrow Flood Beam: 25° Beam



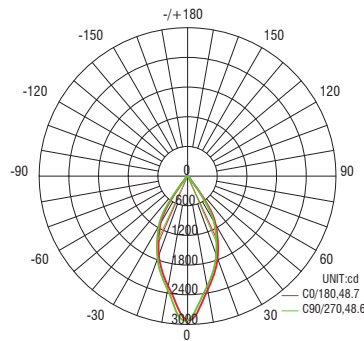
##### Flood Beam: 40° Beam



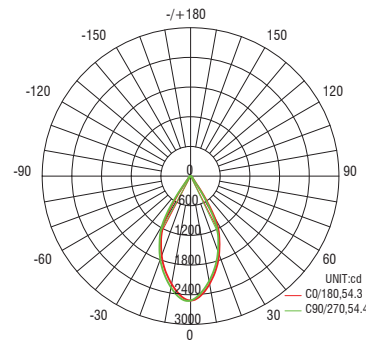
##### Flood Beam: 40° Beam



##### Wide Flood Beam: 55° Beam



##### Wide Flood Beam: 55° Beam



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**PERFORMANCE DATA**

**Unified Glare Rating (UGR) Table**

UGR values shown are calculated at 25W, 3000K, and 90 CRI.

Round Fixture	Angle	UGR Range
Narrow Flood	25°	≤15
Flood	40°	≤17
Wide Flood	55°	≤17

Square Fixture	Angle	UGR Range
Narrow Flood	25°	≤15
Flood	40°	≤16
Wide Flood	55°	≤17

**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.

Multiplier		TRIM			
		927	930	935	940
HOUSING	3	0.95	1.00	1.02	1.06
	2	0.83	0.87	0.89	0.92
	1	0.61	0.64	0.65	0.68