

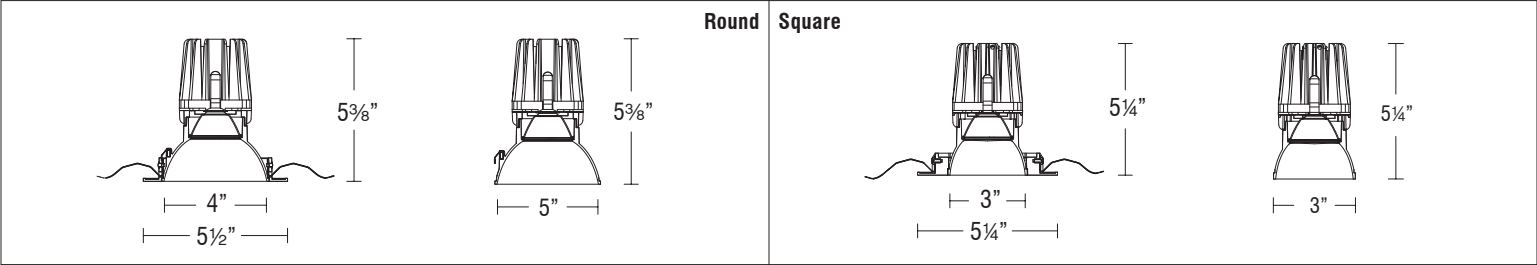
FQ Color Changing
4" Downlight

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

Construction:	Durable die-cast self flanged aluminum construction
Mounting:	Heavy gauge retention clips support trim firmly Ceiling cut out (Round): Trim Ø 4 3/4" ○ Trimless Ø 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

BEAM ANGLES



FINISHES



Model	Beam	Lumens	CBCP	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
R4FRDT	CC - Color Changing	BK - BLACK
R4FRDL		DB - DARK BRONZE
R4FSDT		HZ - HAZE
R4FSDL		HZWT - HAZE/WHITE
		WT - WHITE

R4FRDT-CC-__
Example: R4FRDT-CC-WT

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

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.

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ORDERING INFORMATION

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

R4F__-CCX
Example: R4FBNT-CCX

FQ Color Changing
4" Downlight

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FEATURES

Optics: • High lumen output across the full RGB color gamut and CCT range of 1800K - 6500K • Powerful glare control due to the fixtures 30° shielding angle, 45° vertical tilting, and 360° horizontal rotation	Construction: • Two piece die-cast aluminum constructed body and trim
LED: • High output COB LED with a 3-step Mac Adam ellipse • 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.)	Trim and Reflector: • Reflectors with beam angles of 27°, 42°, and 55° are all included and swappable
Electrical: • Input power is universal 120-277VAC and 50/60 Hz • Available in 14W and 18W power levels	Installation: • Light engine is mounted onto the trim using springs that allow for easy replacement • Heavy gauge retention clips firmly support the trim within the housing
Dimming: • DMX512-A with RDM control is built-in for full control of the RGB color gamut and Tunable White CCT range of 1800K - 6500K	Warranty: • WAC Architectural limited warranty up to 5 years • Full warranty found at: waclighting.com/warranty
Notes: • The White, Black, and Dark Bronze finishes are all electrostatically powder coated • The Haze finish is enamel coated	

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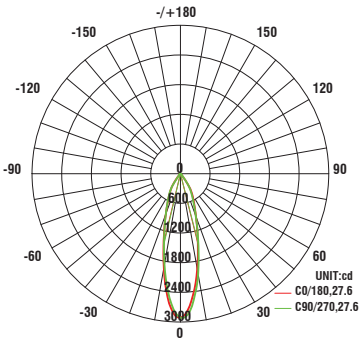
PERFORMANCE DATA

Polar Candela Distribution Charts

Samples shown from a trimmed fixture set to 3000K.

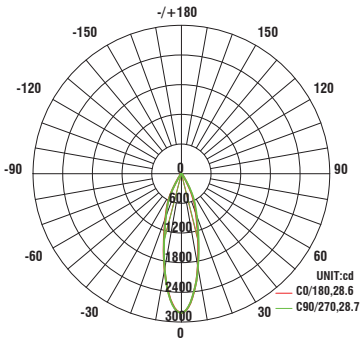
ROUND

Narrow Flood Beam: 27° Beam

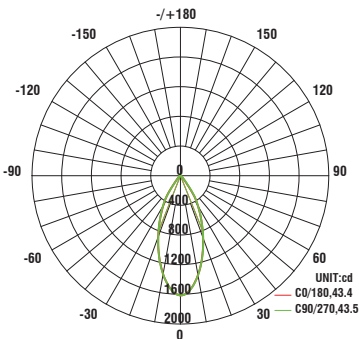


SQUARE

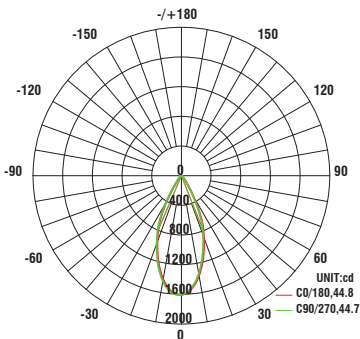
Narrow Flood Beam: 27° Beam



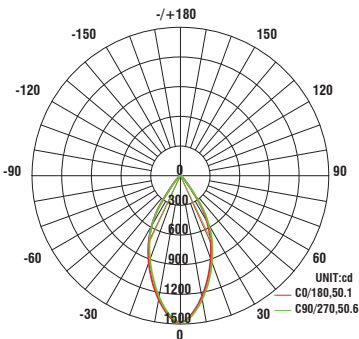
Flood Beam: 42° Beam



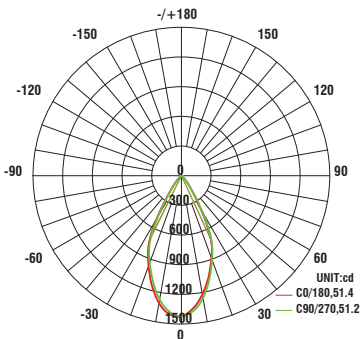
Flood Beam: 42° Beam



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	Square Fixture	Angle	UGR Range
Narrow Flood	27°	≤17	Narrow Flood	27°	≤18
Flood	42°	≤19	Flood	42°	≤19
Wide Flood	55°	≤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

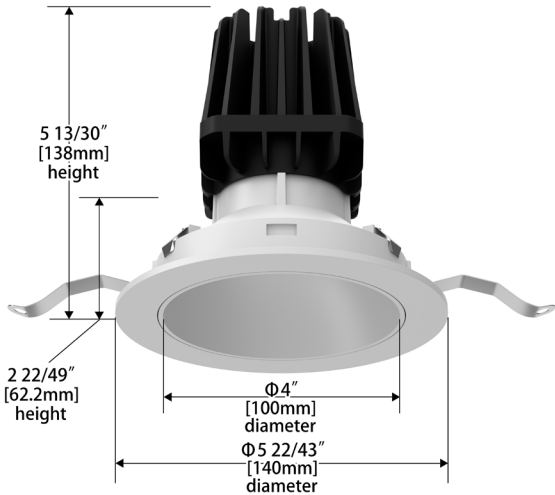
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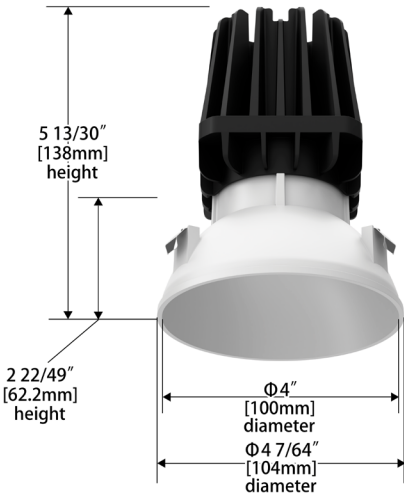
Fixture Type: _____
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Location: _____

DIMENSIONAL DIAGRAMS

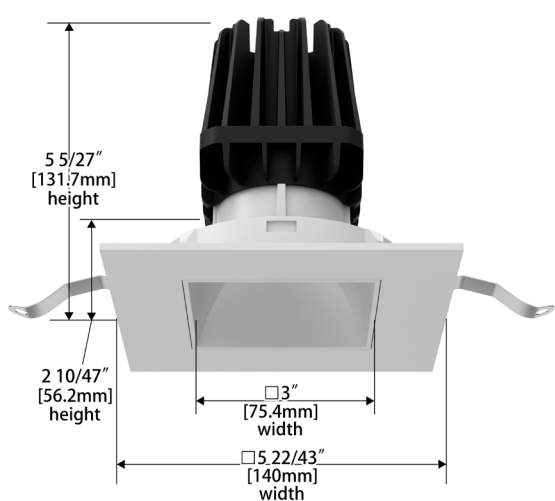
Round Trim (R4FRDT)



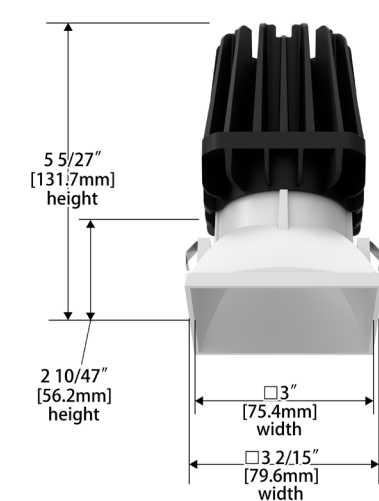
Round Trimless (R4FRDL)



Square Trim (R4FSDT)



Square Trimless (R4FSDL)



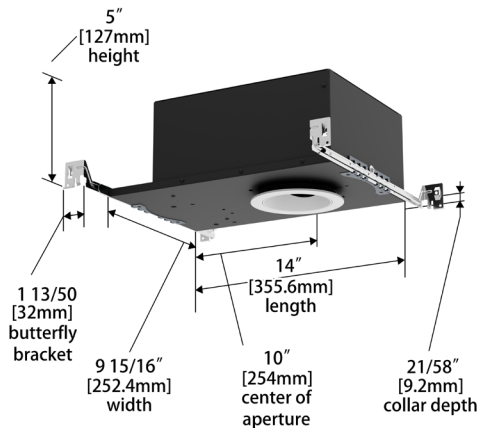
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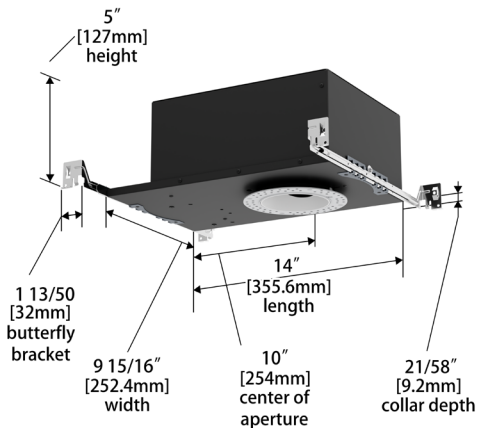
Fixture Type: _____
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DIMENSIONAL DIAGRAMS

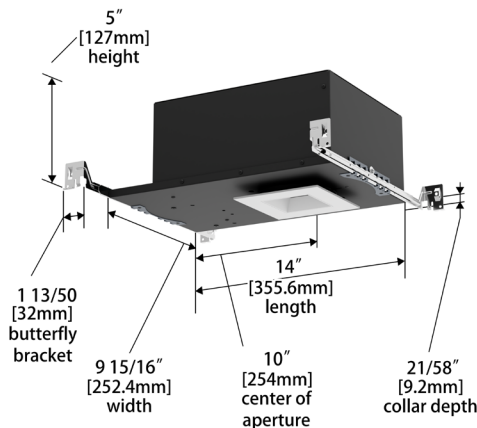
New Construction - Round Trim



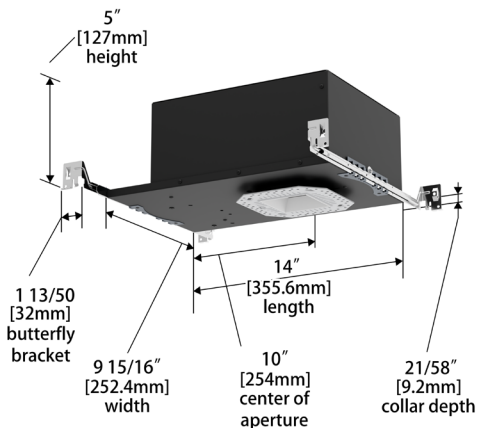
New Construction - Round Trimless



New Construction - Square Trim



New Construction - Square Trimless



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WIRING DIAGRAMS

DMX512-A

