

FQ Tunable White  
4" Adjustable

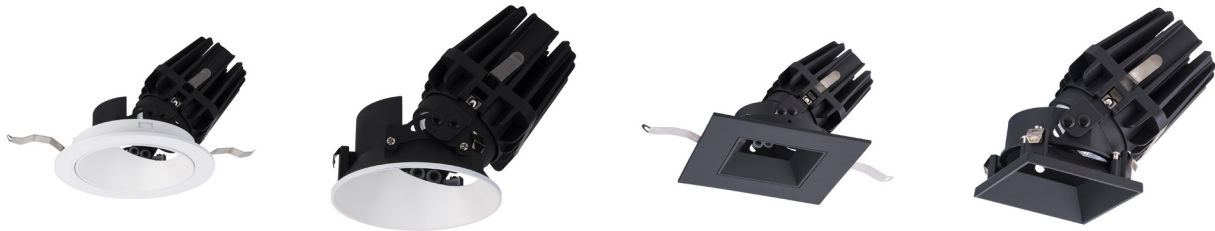
R4FRAT | R4FRAL | R4FSAT | R4FSAL

Fixture Type:

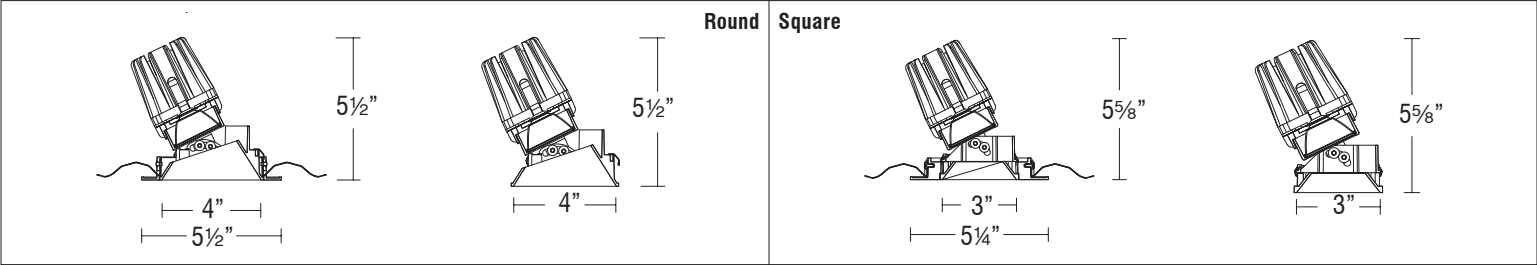
Project:

Catalog#:

Location:



LINE DRAWING



PRODUCT DESCRIPTION

FQ (Function + Quality) Experience simplicity and versatility with FQ 4" recessed luminaires. The fixtures merge modern design with world-class performance to achieve the ultimate in function and flexibility. Enjoy the benefits of two fixtures in one with Tunable White 1800-4000K and Dim-to-Warm 3000K-1800K features built into each luminaire, allowing you to customize the best light to illuminate dining areas, great rooms, primary bedrooms, kitchens, and baths on the fly. Deep regressed light sources deliver a glare-free, quiet ceiling aesthetic for a clean architectural look while providing a robust output from a diminutive source.

SPECIFICATIONS

|                              |                                                                                                                                                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction:                | Durable die-cast self flanged aluminum construction                                                                                                    |
| Mounting:                    | Heavy gauge retention clips support trim firmly<br>Ceiling cut out: Trim Ø 4 3/4" ○<br>Trimless Ø 4 3/4" ○<br>Accommodates 1/2" - 1" ceiling thickness |
| Light Source:                | High output 3-step Mac Adam Ellipse COB<br>Rated life of 50,000 hours at L70                                                                           |
| Input:                       | Universal 120-277V AC, 50/60 Hz                                                                                                                        |
| Dimming:                     | 2CH 0-10V, DMX512-A: 100-0.1%                                                                                                                          |
| Maximum Delivered Intensity: | Up to 2,393 cd (Square Narrow Flood 30°, 18W, 4000K, CRI 98)                                                                                           |
| Maximum Delivered Output:    | Up to 1,084 lm (Square Narrow Flood 30°, 18W, 4000K, CRI 98)                                                                                           |
| Operating Temperature:       | -4°F to 104°F (-20°C to 40°C)                                                                                                                          |
| Standards:                   | ETL & cETL Damp location listed, Title 24 JA8 Compliant                                                                                                |
| Warranty:                    | 5 year WAC Lighting guaranteed warranty                                                                                                                |

BEAM ANGLES



FINISHES



| Model                  | Beam         | Lumens Ref Output* | CBCP | Color Temp     | CRI |
|------------------------|--------------|--------------------|------|----------------|-----|
| R4FRAT Round Trim      | N 27° Round  | 1535               | 3895 | TW 1800K-4000K | 90  |
| R4FRAL Round Trimless  | N 27° Square | 1155               | 3915 |                |     |
| R4FSAT Square Trim     | F 42° Round  | 1555               | 2460 |                |     |
| R4FSAL Square Trimless | F 42° Square | 1125               | 2495 |                |     |
|                        | W 55° Round  | 1585               | 1865 |                |     |
|                        | W 55° Square | 1200               | 1870 |                |     |

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                                | Color Temperature & CRI | Reflector Finish                                                               |
| R4FRAT<br>R4FRAL<br>R4FSAT<br>R4FSAL | TWA - 1800K-4000K       | BK - BLACK<br>DB - DARK BRONZE<br>HZ - HAZE<br>HZWT - HAZE/WHITE<br>WT - WHITE |

R4FRAT-TWA-\_\_  
Example: R4FRAT-TWA-WT

- ORDERING NOTES
1.

The “Haze/White” finish is only available on trimmed fixtures (R4FRAT, R4FSAT).
2.

The “Haze” finish is only available on trimless fixtures (R4FRAL, R4FSAL).
3.

Flood beam (F - 42°) reflector comes pre-installed. All three reflector options (N-27°, F-42°, and W-55°) are included.

| Housings                                                 | Model      | Control Options       | Power                                        |
|----------------------------------------------------------|------------|-----------------------|----------------------------------------------|
| New Construction<br>IC Airtight -<br>Round & Square Trim | R4FBNT-TW  | X DMX512-A<br>Z 0-10V | 1 14W IC<br>2 19W IC<br>3 26W IC             |
| New Construction<br>IC Airtight -<br>Round Trimless      | R4FRNL-TW  | X DMX512-A<br>Z 0-10V | 1 14W IC<br>2 19W IC<br>3 26W IC             |
| New Construction IC<br>Airtight -<br>Square Trimless     | R4FSNL-TW  | X DMX512-A<br>Z 0-10V | 1 14W IC<br>2 19W IC<br>3 26W IC             |
| Remodel Non-IC<br>Round Trimless                         | R4FRRL-TW  | X DMX512-A<br>Z 0-10V | 1 13W Non-IC<br>2 19W Non-IC<br>3 25W Non-IC |
| Remodel Non-IC<br>Square Trimless                        | R4FSRL-TW  | X DMX512-A<br>Z 0-10V | 1 13W Non-IC<br>2 19W Non-IC<br>3 25W Non-IC |
| Remodel IC<br>Round & Square Trim                        | R4FBR2T-TW | X DMX512-A<br>Z 0-10V | 1 14W IC                                     |
| Remodel Non-IC<br>Round & Square Trim                    | R4FBRT-TW  | X DMX512-A<br>Z 0-10V | 1 14W Non-IC<br>2 19W Non-IC<br>3 26W Non-IC |

| 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 |

R4F\_\_-TW\_-\_  
Example: R4FBNT-TWX-2

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4" Adjustable

R4FRAT | R4FRAL | R4FSAT | R4FSAL

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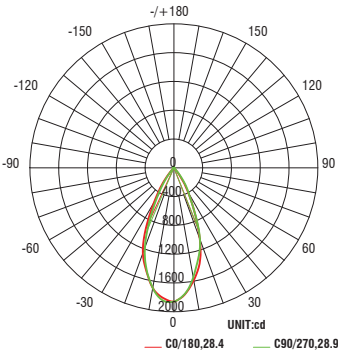
PERFORMANCE DATA

Polar Candela Distribution Charts

Samples shown from a trim fixture with 3 housing set to 3000K.

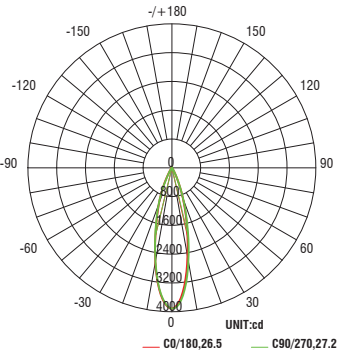
ROUND

Narrow Flood Beam: 27° Beam

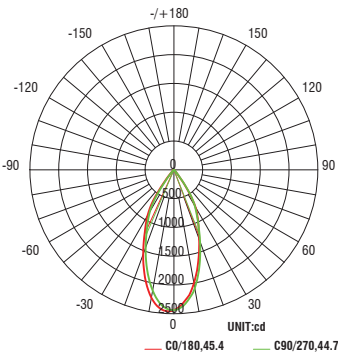


SQUARE

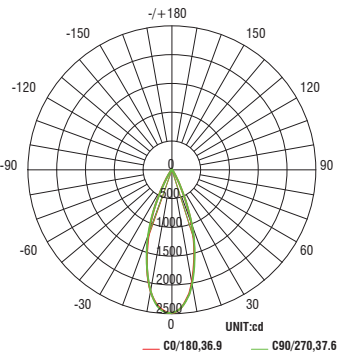
Narrow Flood Beam: 27° Beam



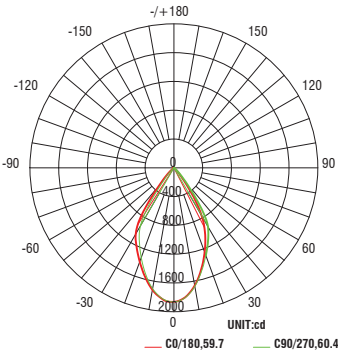
Flood Beam: 42° Beam



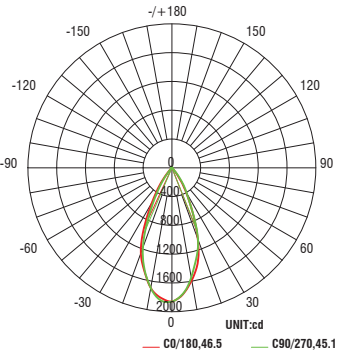
Flood Beam: 42° Beam



Wide Flood Beam: 55° Beam



Wide Flood Beam: 55° Beam



FQ Tunable White  
4" Adjustable

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Fixture Type:

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Location:

PERFORMANCE DATA

Unified Glare Rating (UGR) Table  
General performance of fixtures at 3000K and 90 CRI.

| Round Fixture | Angle | UGR Range | Square Fixture | Angle | UGR Range |
|---------------|-------|-----------|----------------|-------|-----------|
| Narrow Flood  | 27°   | ≤ 18      | Narrow Flood   | 27°   | ≤ 13      |
| Flood         | 42°   | ≤ 19      | Flood          | 42°   | ≤ 13      |
| Wide Flood    | 55°   | ≤ 21      | 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.

| Lumens & CBCP Multiplier |                     | Color Temperature |       |       |       |       |       |
|--------------------------|---------------------|-------------------|-------|-------|-------|-------|-------|
| TWA (1800K - 4000K)      | Housing Power Level | 1800K             | 2200K | 2700K | 3000K | 3500K | 4000K |
|                          | 1 (14W)             | 0.42              | 0.48  | 0.53  | 0.56  | 0.59  | 0.63  |
|                          | 2 (19W)             | 0.59              | 0.67  | 0.74  | 0.78  | 0.83  | 0.88  |
|                          | 3 (26W)             | 0.76              | 0.86  | 0.95  | 1.00  | 1.07  | 1.13  |