

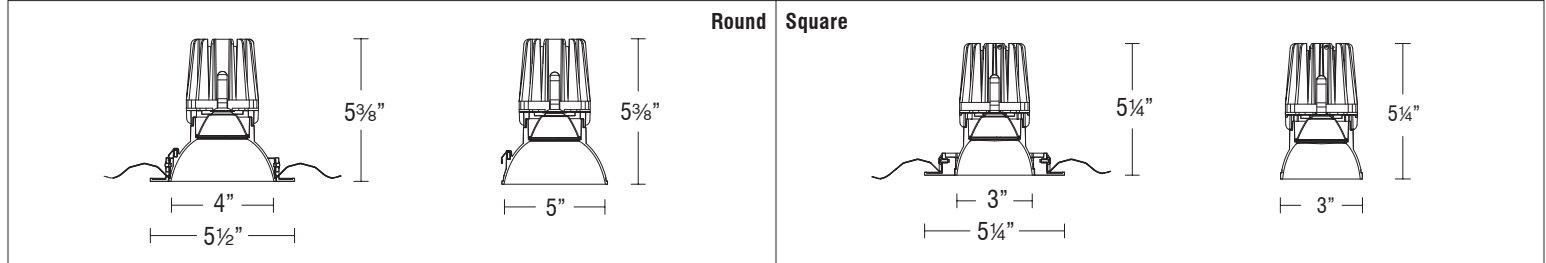
FQ 4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

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, 45° 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.

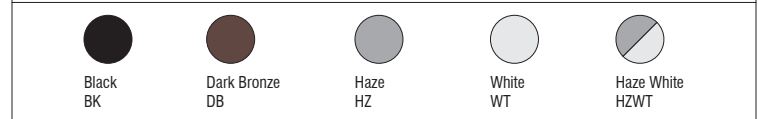
SPECIFICATIONS

| | |
|-------------------------------------|--|
| Construction: | Two piece die-cast construction |
| Mounting: | Heavy gauge retention clips support trim firmly Ceiling cut out (Round): Trim $\varnothing 4\frac{3}{4}"$ \bigcirc Trimless $\varnothing 4\frac{3}{4}"$ \bigcirc Ceiling cut out (Square): Trim $4\frac{3}{4}" \times 4\frac{3}{4}"$ \square Trimless $4\frac{3}{4}" \times 4\frac{3}{4}"$ \square Accommodates $\frac{1}{2}" - 1"$ 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: | ELV, TRIAC, 0-10V: 100 - 1% |
| Maximum Delivered Intensity: | Up to 6,736 cd (Round Narrow 27°, 28W, 4000K, CRI 90) |
| Maximum Delivered Output: | Up to 2,645 lm (Round Narrow 27°, 28W, 4000K, CRI 90) |
| Operating Temperature: | -4°F to 104°F (-20°C to 40°C) |
| Standards: | ETL & cETL Wet location listed, Energy Star 2.0, Title 24 JA8 Compliant |
| Warranty: | 5 year WAC Lighting guaranteed warranty |

BEAM ANGLES



FINISHES



| Model | Beam | Lumens Ref Output* | CBCP | Color Temp | CRI |
|------------------------|-------|--------------------|------|-------------|-----|
| R4FRDT Round Trim | N 27° | Round 2495 | 6355 | 927 - 2700K | 90 |
| R4FRDL Round Trimless | | Square 2445 | 6110 | | |
| R4FSDT Square Trim | F 40° | Round 2450 | 3920 | 930 - 3000K | |
| R4FSDL Square Trimless | | Square 2385 | 3780 | 935 - 3500K | |
| | W 50° | Round 2480 | 3495 | 940 - 4000K | |
| | | Square 2385 | 3245 | | |

Lumens and CBCP are reference values for a trim fixture with 4 housing set to 3000K Color Temperature. Refer to Multiplier Table in Performance Data to determine other outputs.

FQ

4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: _____

Project: _____

Catalog#: _____

Location: _____

ORDERING INFORMATION

| CONFIGURATION TABLE | | |
|---------------------|-------------------------|---|
| Model & Power | Color Temperature & CRI | Reflector Finish |
| R4FRDT | 927 - 2700K - 90 | BK - BLACK |
| R4FRDL | 930 - 3000K - 90 | DB - DARK BRONZE |
| R4FSDT | 935 - 3500K - 90 | HZ - HAZE |
| R4FSDL | 940 - 4000K - 90 | HZWT - HAZE/WHITE WT - WHITE |

R4FRDT-__-__

Example: R4FRDT-930-WT

Flood beam (F - 40°) reflector comes pre-installed. All three reflector options (N-27°, F-40°, and W-50°) are included.

| 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).

Fixture Type: _____

Project: _____

Catalog#: _____

Location: _____

ORDERING INFORMATION

| Housings | Model | Power | Rating | Emergency Backup* |
|--|----------------|-------|---------|--------------------|
| New Construction Airtight Trimmed Round & Square | R4FBNT | 1 13W | IC,SPCL | EM Optional |
| | | 2 19W | IC,SPCL | |
| | | 3 25W | IC,SPCL | |
| | | 4 28W | Non-IC | |
| New Construction Airtight Trimless Round | R4FRNL | 1 13W | IC,SPCL | N/A |
| | | 2 19W | IC,SPCL | |
| | | 3 25W | IC,SPCL | |
| | | 4 28W | Non-IC | |
| New Construction Airtight Trimless Square | R4FSNL | 1 13W | IC,SPCL | N/A |
| | | 2 19W | IC,SPCL | |
| | | 3 25W | IC,SPCL | |
| | | 4 28W | Non-IC | |
| New Construction Frame-In Trimmed Round & Square | R4FBFT | 1 13W | Non-IC | EM Optional |
| | | 2 19W | Non-IC | |
| | | 3 25W | Non-IC | |
| | | 4 28W | Non-IC | |
| New Construction Frame-In Trimless Round | R4FRFL | 1 13W | Non-IC | N/A |
| | | 2 19W | Non-IC | |
| | | 3 25W | Non-IC | |
| | | 4 28W | Non-IC | |
| New Construction Frame-In Trimless Square | R4FSFL | 1 13W | Non-IC | N/A |
| | | 2 19W | Non-IC | |
| | | 3 25W | Non-IC | |
| | | 4 28W | Non-IC | |
| Remodel Housing Trimless - Round | R4FRRL | 1 13W | Non-IC | N/A |
| | | 2 19W | Non-IC | |
| | | 3 25W | Non-IC | |
| | | 4 28W | Non-IC | |
| Remodel Housing Trimless - Square | R4FSRL | 1 13W | Non-IC | N/A |
| | | 2 19W | Non-IC | |
| | | 3 25W | Non-IC | |
| | | 4 28W | Non-IC | |
| Remodel Housing Trimmed | R4FBRT | 1 13W | Non-IC | N/A |
| | | 2 19W | Non-IC | |
| | | 3 25W | Non-IC | |
| | | 4 28W | Non-IC | |
| Remodel Housing Trimmed | R4FBR2T | 1 13W | IC | N/A |

R4F - - -
 Example: R4FBNT-1 or R4FBNT-1-EM
 *EM option is not SPCL rated

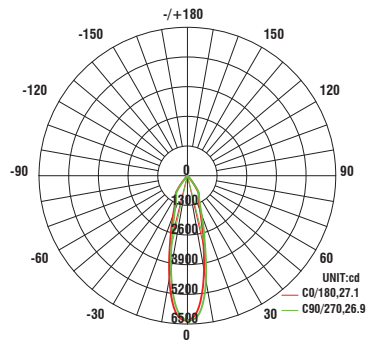
PERFORMANCE DATA

Polar Candela Distribution Charts

Samples shown from a trim fixture with 4 housing set to 3000K.

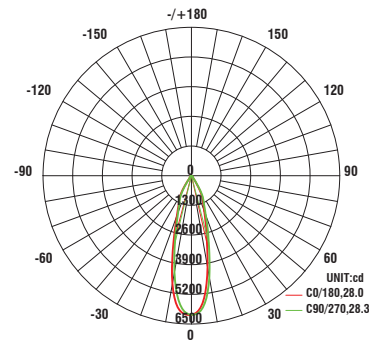
ROUND

Narrow Flood Beam: 27° Beam

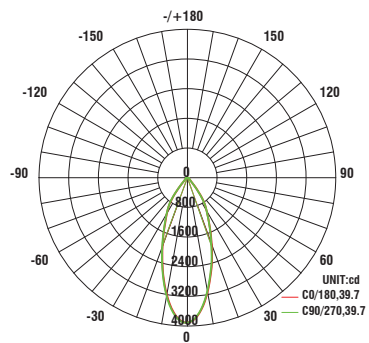


SQUARE

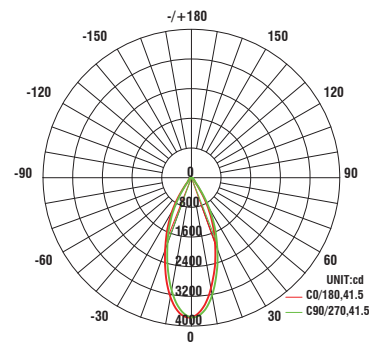
Narrow Flood Beam: 27° Beam



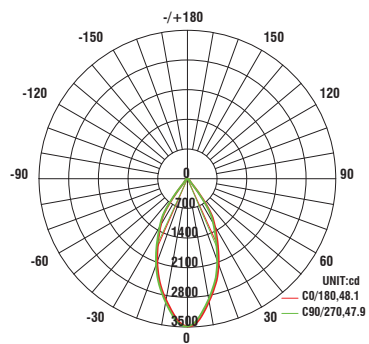
Flood Beam: 40° Beam



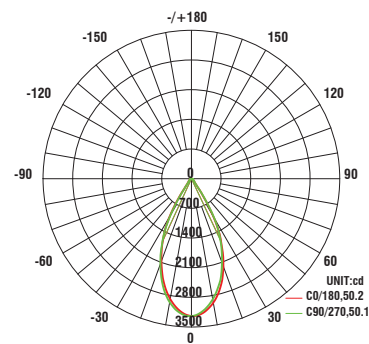
Flood Beam: 40° Beam



Wide Flood Beam: 50° Beam



Wide Flood Beam: 50° Beam



FQ
4" Downlight

R4FRDT | R4FRDL | R4FSDT | R4FSDL

Fixture Type: _____
 Project: _____
 Catalog#: _____
 Location: _____

PERFORMANCE DATA

Unified Glare Rating (UGR) Table

UGR values shown are calculated for a fixture with 4 housing at 3000K and 90 CRI.

| Round Fixture | Angle | UGR Range | Square Fixture | Angle | UGR Range |
|---------------|-------|-----------|----------------|-------|-----------|
| Narrow Flood | 27° | ≤ 14 | Narrow Flood | 27° | ≤ 14 |
| Flood | 40° | ≤ 15 | Flood | 40° | ≤ 15 |
| Wide Flood | 50° | ≤ 15 | Wide Flood | 50° | ≤ 14 |

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 | | Color Temperature | | | |
|------------|---|-------------------|------|------|------|
| | | 927 | 930 | 935 | 940 |
| HOUSING | 4 | 0.95 | 1.00 | 1.02 | 1.06 |
| | 3 | 0.84 | 0.88 | 0.90 | 0.93 |
| | 2 | 0.65 | 0.68 | 0.70 | 0.72 |
| | 1 | 0.45 | 0.47 | 0.48 | 0.50 |