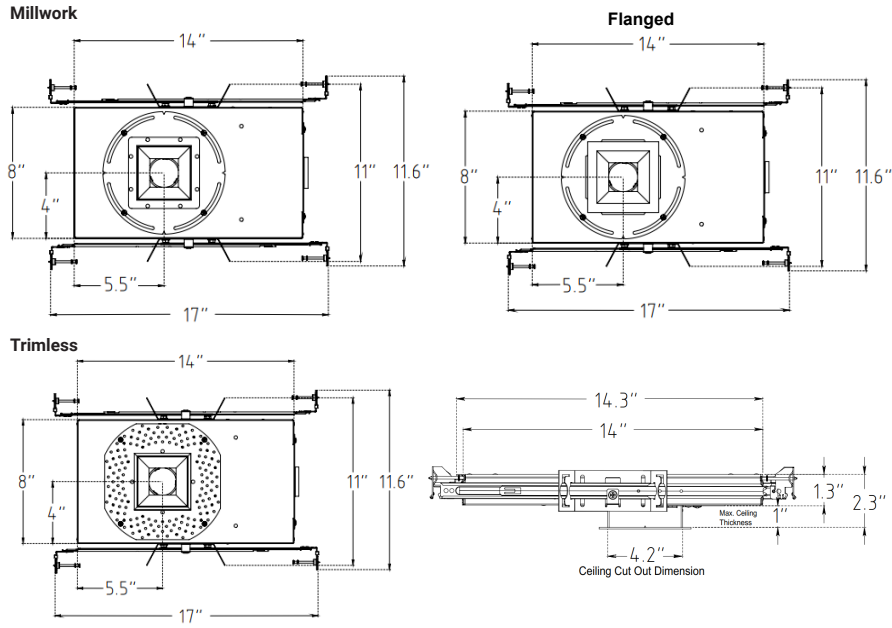


## DIMENSIONS



## TRIM OPTIONS



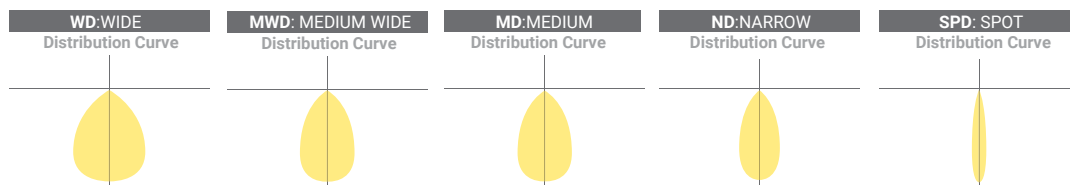
| NOMINAL LUMENS | DELIVERED LUMENS | WATTAGE |
|----------------|------------------|---------|
| 1500           | 1527             | 18 W    |
| 1200           | 1392             | 16 W    |
| 900            | 1037             | 12 W    |
| 700            | 881              | 10 W    |

Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

## HIGH PERFORMANCE OPTIONS

| NOMINAL LUMENS | DELIVERED LUMENS | WATTAGE |
|----------------|------------------|---------|
| 1500           | 1680             | 17 W    |
| 1200           | 1380             | 14 W    |

Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%



## FEATURES

A small architectural LED downlight with a narrow aperture ensures uncompromised quality, high performance, and precise, glare-free illumination. This product boasts unmatched flexibility, making it the perfect addition to any space requiring stylish, high-quality lighting. Utilizing a single universal housing and offering many warm dimming CCT technology options, the FCDSSC-SQ4 delivers the full spectrum of cool to warm tones. Ideal for retail, commercial, hospitality, commercial, or high-end residential applications, it supports a variety of trims and features field changeable optics. Whether intended for high-end architectural, hospitality, commercial, residential, or retail settings, the FCDSSC-SQ4 offers the most innovative solution for any design application requiring a small aperture.

|                                    |   |
|------------------------------------|---|
| <b>LUMENS</b>                      | 700, 900, 1200, 1500 (custom lumen packages available)                                      |
| <b>CCT &amp; DYNAMIC PLATFORMS</b> | Dims to Warm: 30K-18K or 27K-18K  |
| <b>CRI</b>                         | 90+ Standard, 98+ Optional  |
| <b>COLOR QUALITY</b>               | 2-Step MacAdam Ellipse  |
| <b>DISTRIBUTIONS</b>               | WD (Wide-52°), MWD (Medium Wide-45°), MD (Medium-35°), ND (Narrow-24°), SPD (Spot-15°),     |
| <b>TRIM OPTIONS</b>                | Downlight, Lensed Downlight, Pinhole Square and Round Trim, Trim-less and Millwork Options. |
| <b>REFLECTOR COLORS</b>            | WH (White), BZ (Bronze), BK (BK), RAL (Custom color)  |
| <b>FLANGE COLORS</b>               | WH (White), BZ (Bronze), BK (BK), RAL (Custom color)  |
| <b>DIMMING</b>                     | 0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH.                                       |
| <b>REMOTE EMERGENCY</b>            | 10W - Up to 1000L Output<br>20W - Up to 2000L Output  |
| <b>LIFETIME</b>                    | L70 at 1 20,000 Hours   |
| <b>PHOTOMETRIC TESTS</b>           | In Accordance with IES LM79-08, LM80 and TM-30, TM-21                                       |
| <b>CCEA OPTION</b>                 | For CCEA approved FCD Family, please contact Elite Lighting for more information.           |



### FLANGED OPTION

Post-painted powder coated Die-Cast trim ring available in white and custom colors (Please consult factory for custom paint color options). Collar and trim rotate jointly, and a Solite frosted lens is optional on all trims (Please consult factory for additional lens options). Available in Open Downlight, Lensed Downlight, Pinhole Downlight. Trims attach to the housing with ball catch and springs for snug fit and zero light leakage.

### TRIM-LESS OPTION

The aluminum perforated mesh cover is designed for installation in drywall or plaster ceilings. Mudding can be applied up to the edge of the luminaire opening for a seamless look. The trimless accessory is secured to the housing to prevent fractures in the ceiling and/or drywall during and after installation. Trims attach to the housing using ball catch and springs to ensure a snug fit and zero light leakage. This product is available in Open Downlight, Lensed Downlight, and Pinhole Downlight options.

### HOUSING

Designed for new construction installations and suitable for Non IC and IC applications. Thermally protected, specification grade recessed housing. For new construction insulated ceilings where housing will be in direct contact with insulation. Heatsink is Aluminium formed construction is painted matte black for maximum heat dissipation and life time, rust protection and glare-free illumination.

### MOUNTING

Pre-installed bar hangers enable the housing to be positioned and locked at any point within a 24-inch joist span. They can be positioned on either the long or short axis of the housing and shortened for 12-inch joists. The bar hangers can be attached to the T-Bar spline using additional slots and holes for special mounting methods, if required. Butterfly brackets made of 18-gauge steel are offered, and can be adjusted vertically. They can be installed using 3/4" or 1-1/2" lathing channel, 1/2" EMT, or with optional C-Channel mounting bars.

### LED DYNAMIC PLATFORM OPTIONS



Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)

### LED LIGHT ENGINE

High color rendering of 90+ CRI and guaranteed color consistency with a 2-step MacAdam Ellipse Scale. Available in a range of warm dimming technology CCT including 30K-18K, 27K-18K

### DIMMING & DRIVER INFORMATION

**DIM10** - 0-10V dimming on either MVOLT 120V or 277V, 347V. Dimmable down to 1% of initial lumens, standard.

**LUTH** - Lutron LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.

### DRIVER ELECTRICAL INFORMATION

The LED driver is rated for an input of 120V/277V at 50 to 60Hz, with a power factor ranging from 90% to 100%. It produces less than 20% THD and has thermal protection for added safety. The junction box and driver can be accessed from above or below the ceiling. The junction box is listed for through branch circuit wiring.

### LISTINGS

c-UL-us-Listed for Damp and Dry Location.

c-UL-us-Listed for feed through wiring.

EMI/RFI emissions per FCC 47CFR part 15 Class B at 120VAC

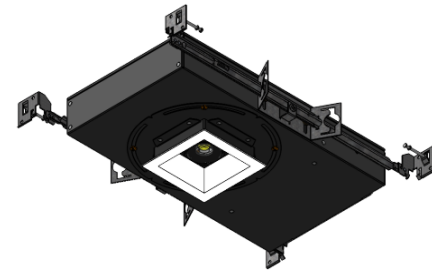
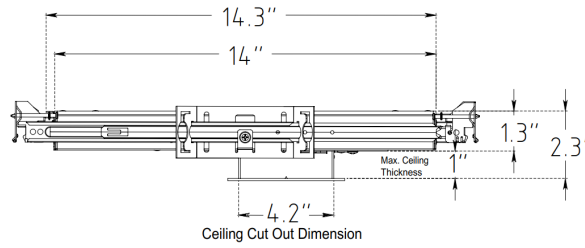
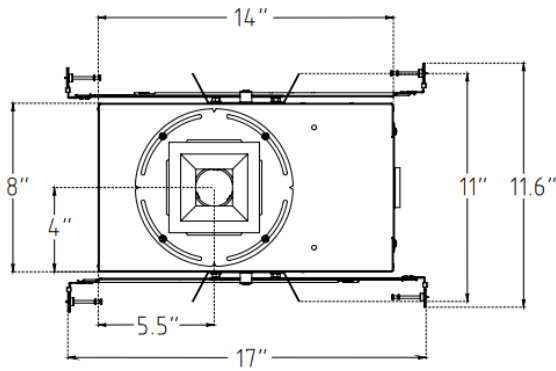
Contains no mercury or lead and RoHS compliant.

### WARRANTY

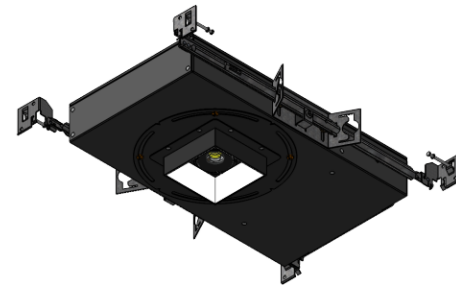
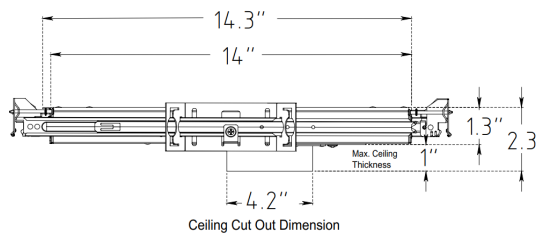
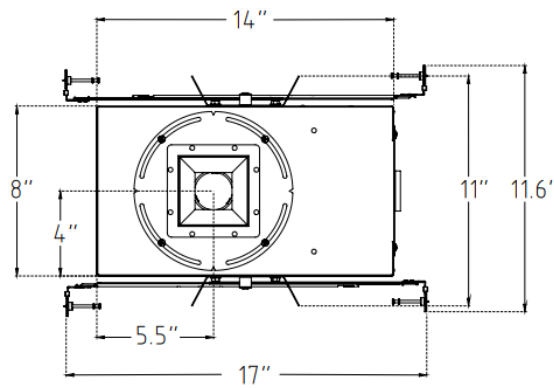
Five-year warranty for parts and components. (Labor not included)

**Lighting Housing Styles**

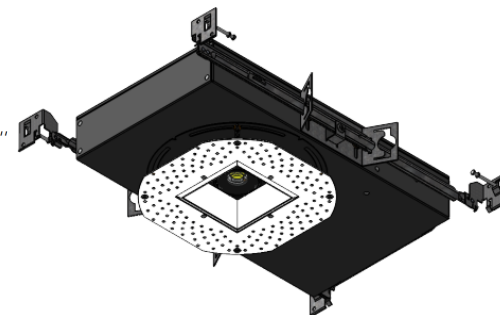
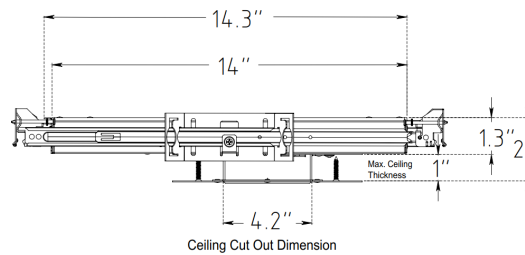
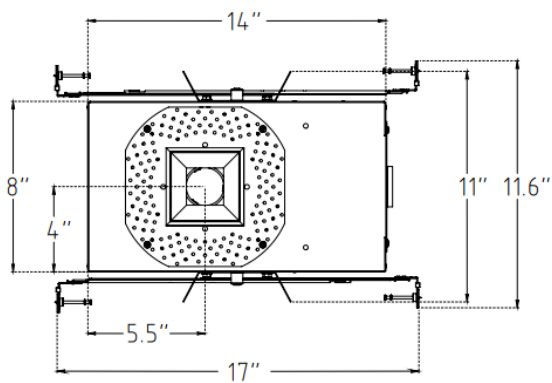
**FLANGED**

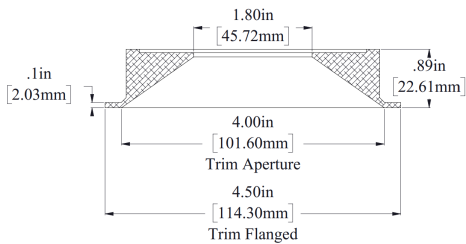
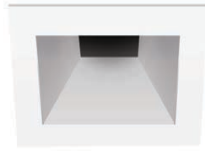


**MILLWORK**

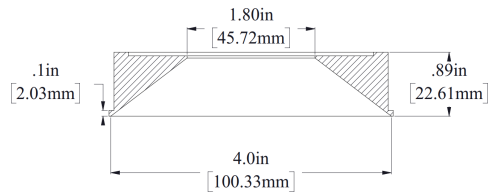


**TRIMLESS**

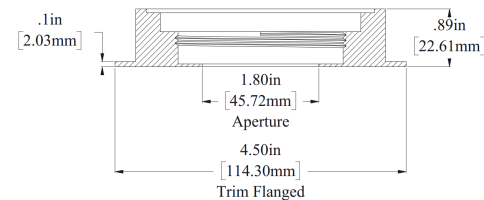




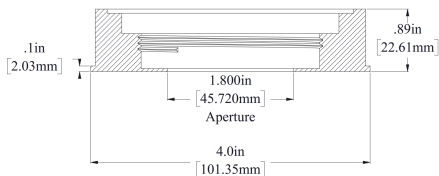
**FCD-SQ4-F-1302/1328**  
**Flanged**



**FCD-SQ4-TL-1302/1328**  
**Trimless/Millwork**



**FCD-SQ4-PHF-1312**  
**Pinhole Flanged**



**FCD-SQ4-PHTL-1301**  
**Pinhole Trimless**

## HOUSING

EXAMPLE: FCDSSC-SQ4-F-WDM-30K-18K-900L-DIM10-120-EMG-LED-10W-IC

|                  | TYPE   | LUMEN   | DIMMING   | VOLTAGE  | EMERGENCY OPTIONS   | OPTIONS   |
|------------------|--|---|---|--|---|---|
| HIGH PERFORMANCE | <b>FCDSSC-SQ4-</b>   |   |   |  |   |   |
|                  | <input type="checkbox"/> FCDSSC-SQ4-F-WDM-30K-18K<br><input type="checkbox"/> FCDSSC-SQ4-F-WDM-27K-18K   | <input type="checkbox"/> 900L<br><input type="checkbox"/> 1200L<br><input type="checkbox"/> 1500L | <input type="checkbox"/> DIM10<br><input type="checkbox"/> LUTH | <input type="checkbox"/> 120<br><input type="checkbox"/> 277<br><input type="checkbox"/> 347<br><input type="checkbox"/> MVOLT<br>(DIM10 only) | <input type="checkbox"/> EMG-LED-10W<br><input type="checkbox"/> EMG-LED-20W<br><input type="checkbox"/> EMG-LED-G2-10W-SDT*<br><br>Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in emergency mode. Contact the factory for details.<br>Remote mounted installation<br>*Consult Factory for Self Diagnostic | <input type="checkbox"/> Blank<br><input type="checkbox"/> BP31 - 27" C-channel bar hangers.<br><input type="checkbox"/> RIF - RIF filter.<br><input type="checkbox"/> NC - New Construction.<br><input type="checkbox"/> IC - Insulation Contact Rated.<br><input type="checkbox"/> CP - CCEA (Chicago Plenum) |
|                  | <input type="checkbox"/> FCDSSC-SQ4-TL-WDM-30K-18K<br><input type="checkbox"/> FCDSSC-SQ4-TL-WDM-27K-18K |   |   |  |   |   |
|                  | <input type="checkbox"/> FCDSSC-SQ4-ML-WDM-30K-18K<br><input type="checkbox"/> FCDSSC-SQ4-ML-WDM-27K-18K |   |   |  |   |   |
|                  |  |   |   |  |   |   |
|                  |  |   |   |  |   |   |

1- 347V is Only available for DIM10

## TRIM OPTIONS

TRIM, TRIM-LESS & MILLWORK OPTIONS

## TRIM OPTIONS

EXAMPLE: FCD-SQ4-F-1302-900L-SPD(15°)-WDM-30K-18K-90-WH-WH

| TRIM OPTIONS   | LUMENS  | OPTICS  | CCT  | CRI  | TRIM FINISH   | FLANGE FINISH   |
|--|---|---|--|--|---|---|
| <b>FCD-SQ4-</b>  |   |   |  |  |   |   |
| <b>ROUND-TRIM FLANGED</b><br><br><input type="checkbox"/> FCD-SQ4F-1302      Open Downlight<br><input type="checkbox"/> FCD-SQ4F-1328      Lensed Downlight<br><input type="checkbox"/> FCD-SQ4-PHF-1312      Pinhole Downlight            | <input type="checkbox"/> 900L<br><input type="checkbox"/> 1200L<br><input type="checkbox"/> 1500L | <input type="checkbox"/> SPD (15°)<br><input type="checkbox"/> ND (24°)<br><input type="checkbox"/> MD (35°)<br><input type="checkbox"/> MWD (45°)<br><input type="checkbox"/> WD (52°) | <input type="checkbox"/> WDM-30K-18K<br><input type="checkbox"/> WDM-27K-18K | <input type="checkbox"/> 90<br><input type="checkbox"/> 98 | <input type="checkbox"/> WH<br><input type="checkbox"/> BK<br><input type="checkbox"/> BZ<br><br>Consult factory for RAL Custom color | <input type="checkbox"/> WH<br><input type="checkbox"/> BK<br><input type="checkbox"/> BZ<br><br>Consult factory for RAL Custom color |
| <b>ROUND TRIM-LESS/MILLWORK</b><br><br><input type="checkbox"/> FCD-SQ4-TL-1302      Open Downlight<br><input type="checkbox"/> FCD-SQ4-TL-1328      Lensed Downlight<br><input type="checkbox"/> FCD-SQ4-PHTL-1301      Pinhole Downlight | <input type="checkbox"/> 900L<br><input type="checkbox"/> 1200L<br><input type="checkbox"/> 1500L | <input type="checkbox"/> SPD (15°)<br><input type="checkbox"/> ND (24°)<br><input type="checkbox"/> MD (35°)<br><input type="checkbox"/> MWD (45°)<br><input type="checkbox"/> WD (52°) | <input type="checkbox"/> WDM-30K-18K<br><input type="checkbox"/> WDM-27K-18K | <input type="checkbox"/> 90<br><input type="checkbox"/> 98 | <input type="checkbox"/> WH<br><input type="checkbox"/> BK<br><input type="checkbox"/> BZ<br><br>Consult factory for RAL Custom color |   |

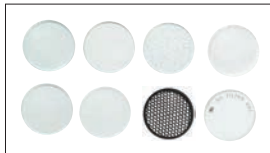
Emergency only accessible from the top of the luminaire

1- 347V is only available for DIM10

## COLOR FILTERS & DISTRIBUTION FILTERS

### COLOR LENS FILTER

| CAT. #     | COLOR     |
|------------|-----------|
| BP8MR16-BL | BLUE      |
| BP8MR16-GR | GREEN     |
| BP8MR16-PI | PINK      |
| BP8MR16-PU | PURPLE    |
| BP8MR16-DL | DAY LIGHT |
| BP8MR16-YE | YELLOW    |
| BP8MR16-AM | AMBER     |
| BP8MR16-OR | ORANGE    |
| BP8MR16-RE | RED       |



### DISTRIBUTION LENS FILTER

| CAT. #         | COLOR       |
|----------------|-------------|
| 1. BP8MR16-FR  | FROSTED     |
| 2. BP8MR16-SF  | SOFT FOCUS  |
| 3. BP8MR16-CL  | CLEAR       |
| 4. BP8MR16-UV  | ULTRAVIOLET |
| 5. 6BP8MR16-SP | SPREAD      |
| 6. BP8MR16-HC  | HONEY COMB  |
| 7. BP8MR16-LI  | LINEAR      |
| 8. BP8MR16-SOL | SOLITE      |

- Note:**  
Additional lens filters must only be used on open non-lensed downlight trim options