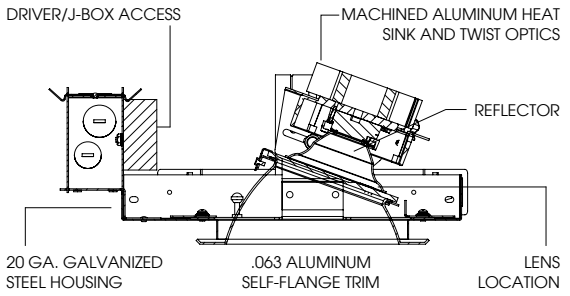
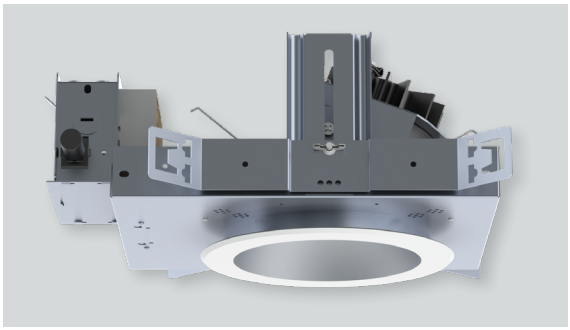
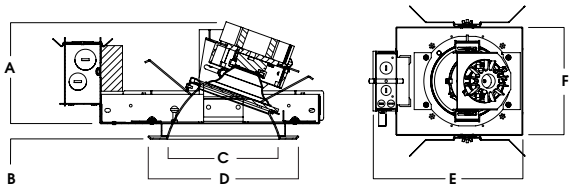
# 6" ROUND ADJUSTABLE TUNABLE COLOR (HUE)

LU SERIES / 2000 LUMENS MAX

recessed fixtures






| A | B | C | D | E | F |
|---|---|---|---|---|---|
| 6.1<br>154.9 mm | .625<br>15.2 mm | 6.0<br>152.4 mm | 7.5<br>191.0 mm | 14.7<br>373.4 mm | 9.5<br>241.3 mm |

## **RAFO6LEDLU** - TRIM FLANGE / NON-IC RATED

**APPLICATION**

6" Round LU LED adjustable platform with Tunable color (HUE) LED system. System can be programmed for scenes or set for manual control. Adjusts to over 300,000 colors as well as 1650K-8000K white light.

**FEATURES**

Two-stage optical system for smooth light distribution and focus control. Quick change LED module with interchangeable optics for job site adjustment and fixture maintenance. Shallow plenum design. Tool-less driver and j-box access. Posi-lock trim retention torsion springs. Integral 0.625" collar with deep ceiling option for up to 2" thick ceiling (PR).

**TRIM FINISH**

A variety of architectural powdercoat and anodized finishes are available. Matte White flange is standard.

**ELECTRONICS**

LED system features LED module with proprietary Tunable color (HUE) technology that provides consistent, stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 90 with <2 MacAdam Ellipse binning. Variety of dimming controls (by Others).

**CONSTRUCTION**

Housing/frame constructed of #20 ga. galvanized steel to resist corrosion. Self-flanged one piece trim spun from 0.063" thick high purity aluminum and finished to specification.

**CODE COMPLIANCE**

BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Optional Wet location. Manufactured and tested to UL standards No. 1598/8750.

| WATTAGE TO LUMENS UPDATE | | |
|---|---|---|
| PART NUMBER | SOURCE LUMENS[1] | SYSTEM WATTS |
| RAFO6LEDLU12L | 1250 | 25 |
| RAFO6LEDLU15L | 1500 | 32 |
| RAFO6LEDLU20L | 2000 | 43 |

| SERIES | LUMENS[1] | | CCT / K | | BEAM | | CONTROL / VOLTAGE[2] | | | | OPTIONS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RAFO6LEDLU | **12L** | 1250 Lm | **80CMX** | 80K-16K | **ND** | 20° | **DU**_[3] | 1% 0-10V Dimming | **1** | 120V | **BH27**[5] | 27" Solid Bars |
| | **15L** | 1500 Lm | | | **MD** | 30° | **DL3E**_[3] | 1%, Lutron® EcoSystem® Fade | **2** | 277V | **H12** | 12" - 24" Expandable Bars |
| | **20L** | 2000 Lm | | | **WD** | 40° | | | | | **H06** | 6" - 12" Expandable Bars |
| | | | | | **XW** | 50° | **DMXS**_[4] | DMX Standard Configuration | | | **CB24** | 24" C-Channel Bars |
| | | | | | | | | | | | **EB** | Black Housing |
| | | | | | | | | | | | **PR**[4] | Deep Ceiling Extension |

| TRIM | FINISH | | TRIM OPTIONS[9] | |
|---|---|---|---|---|
| RA6FLU[6] | **SG**[7] | Semi-Diffuse | **PF**[10] | Polished Flange |
| | **HZ** | Haze Full Diffuse | **SOX**[11] | Micro Prism Solite™ Lens |
| | **MW** | Matte White | **PGX** | Prismatic Glass Lens |
| | **MB** | Matte Black | **GLX** | Clear Glass Lens |
| | **PT** | Platinum Silver | **FGX** | Frosted Glass Lens |
| | **OB** | Oil Rubbed Bronze | | |
| | **CH** | Charcoal | **SOW** | Micro Prism Solite™ Lens |
| | **AC** | Anodic Champagne | | Wet Location |
| | **AS** | Anodic Sapphire | **PGW** | Prismatic Glass Lens |
| | **AM** | Anodic Malachite | | Wet Location |
| | **SN** | Sun Gold | **GLW** | Clear Glass Lens |
| | **CO** | Copper Metallic | | Wet Location |
| | **GH** | Graphite | **FGW** | Frosted Glass Lens |
| | **AMB** | Anti Microbial Finish | | Wet Location |
| | **CC**[8] | Custom Color | | |

**EXAMPLE:** RAFO6LEDLU20L80CMXMDDU1H12/RA6FLUSGSOX

**NOTES:**
**1** Peak Source Lumens **2** Contact Factory for Additional Options **3** Refer to CMX Controls Page **4** Contact Factory **5** Standard Bar Hangers **6** "F" Indicates Self-Flange Trim, Matte White Standard **7** Standard Finish **8** Contact Factory for Special Finishes **9** Consult Factory for Special Lenses/Louvers **10** Flange and Reflector Same Finish **11** Standard Lens

SPECTRUM LIGHTING INC.

**PROJECT:**

**TYPE:**

5 YEAR WARRANTY

MADE IN THE USA

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

# 6" ROUND ADJUSTABLE TUNABLE COLOR (HUE)
## LU SERIES / CTM OPTIONS

**DU1 / DU2** - Fixture can be operated by the following 3 methods (Does Not Require DCA).
1. Use araya app. option for wireless control of dimming and color tuning. (See Figure 3)
2. Use with 0-10V controller and araya app. to control dimming and using color. (See Figure 4)
3. Use with (2) sets of 0-10V controllers and araya app. to activate sceneset feature or change CCT levoks. (See figure 5 &5B)

**DL3E1 / DL3E2** - For control of dimming and color tuning with EcoSystem controller (Supplied by Lutron) Fixture supplied with DCA[1]. (See Figure 1)

**DMX1 / DMX2** - For control of dimming and color tuning with minimum 4 channel DMX controller (Supplied by Others) Also can be programmed with araya app[1]. (See Figure 2 & 2B)

Consult Factory for additional questions and information.

**NOTES:**
**1** Araya app. can be used to assign DMX addressed with Buetooth app. (IOS Only) (Download by Others)

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**Figure 1.**
Digital Control Adapter (DCA) for Lutron EcoSystem®

**Figure 2.**
Digital Control Adapter (DCA) for DMX (Including Bluetooth)

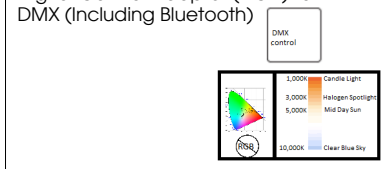



**Figure 3.**
Wireless Operation using LCT (to control CCT, Dimming, Saturation and HUE)

**Requires araya Tunable Color iOS APP

**Figure 2B.**
Not Typical RGB/RGBW format for DMX-512-A

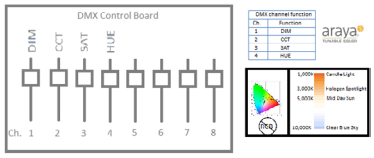



**Figure 4.**
0-10V Control Dimming/LCT Control of CCT, Saturation and HUE

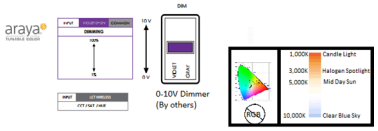
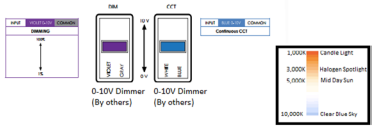



**Figure 5.**
0-10V Control of Continuous CCT and Dimming



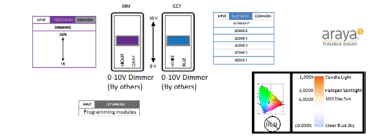


**Figure 5B.**
0-10V Control of Continuous CCT and Dimming