

# 5"/6" Round LED Adjustable Gimbal Insert

ELCO Lighting's inserts are engineered with energy-efficient LED technology that produces even illumination with an incredible 93+ CRI. Designed to be used for New Construction, Remodel, and Retrofit applications, these inserts are rated for a life of 50,000 hours, and meet the Title 24 and Energy Star requirements. Suitable for IC and Non-IC housings manufactured by ELCO or others.



## Features

- Fits ELCO 5" and 6" Dedicated LED Recessed Housings, Regular and Shallow.
- Die-Cast construction provides lasting durability.
- Medium base to quick connect adapter included (PSA30)
- 25° Tilt, 358° rotation.
- Energy Star Certified.
- Title 24 JA8-2019 Compliant.
- Life Span of 50,000 hours L70.

## Specifications

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Wattage</b>       | 12.5WW                            |
| <b>Lumens</b>        | 1000 lm                           |
| <b>Voltage</b>       | 120V                              |
| <b>Color Temp.</b>   | 2700K, 3000K, 3500K, 4000K, 5000K |
| <b>Dimmable</b>      | Triac/ELV                         |
| <b>Lamp Type</b>     | LED, LED                          |
| <b>Beam Angle</b>    | 60°                               |
| <b>CRI</b>           | 90+                               |
| <b>Power Factor</b>  | >0.9                              |
| <b>Damp Location</b> | Listed                            |

## Options



All White



All Black



All Bronze

## Technical Details

**Optics:** Frosted polycarbonate lens diffuses light evenly throughout while reducing glare with LED Array technology.

**Construction:** For use in IC and Non-IC housings. Spun Aluminum for greater heat dissipation. High quality powder coat finish preventing rust and paint cracking.

**Installation:** : Includes PSA30 medium base adapter for retrofitting existing housings. Quick connect for use with ELCO housings EL570ICA, EL570RICA, EL56FICA, EL560ICA, EL560RICA, EL770ICA, EL770RICA, EL760ICA, EL760RICA, EL76FICA. Can be used in IC and non-IC housings.

**Electrical:** Driver connects to 120V power supply. High Efficiency driver with a power factor > 0.9. Start time of less than .75 seconds.

### LED Technology:

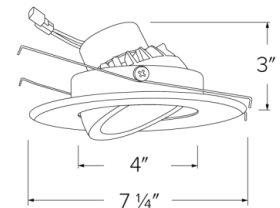
- Extremely accurate color rendering with 93+ CRI.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing integral heat sink.
- Instant On to Full Brightness.
- No LED pixelation.

**Dimmability:** Works with 120V Triac and ELV type dimmers. Dims down to 10%. For full list of dimmers refer to the Dimmer Compatibility List.

**Listings:** cUL Listed for Damp Location. RoHS Compliant. ENERGY STAR® Certified. Title 24 JA8-2019 Compliant.

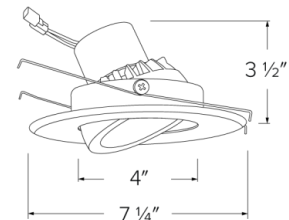
## EL616CT3

EL616CT3



## EL616CT5

EL616CT5



**Warranty:** ELCO Products are built to last with a 5-year Limited Warranty.

## Product Numbers

| Item              | Lamp type | Lumens  | CCT   | Watts | Voltage | Dimming   | Beam Angle | Finish     |
|-------------------|-----------|---------|---|-------|---------|-----------|------------|------------|
| <b>EL616CT5W</b>  | LED       | 1000 lm | 2700K,<br>3000K,<br>3500K,<br>4000K,<br>5000K | 12.5W | 120V    | Triac/ELV | 60°        | All White  |
| <b>EL616CT5B</b>  | LED       | 1000 lm | 2700K,<br>3000K,<br>3500K,<br>4000K,<br>5000K | 12.5W | 120V    | Triac/ELV | 60°        | All Black  |
| <b>EL616CT5BZ</b> | LED       | 1000 lm | 2700K,<br>3000K,<br>3500K,<br>4000K,<br>5000K | 12.5W | 120V    | Triac/ELV | 60°        | All Bronze |

## Product Number Builder Example: EL616CT5W

6" LED Gimbal Insert

Color Temp.

Finish

**EL616**

**CT5** 2700K - 5000K

**W** All White  
**B** All Black  
**BZ** All Bronze

# Compatible Products

For use with 5" or 6" LED inserts

## 5" Dedicated LED ICA Housings



5" ICA Housing  
New Construction

| CAT NO.    | SPECIFICATIONS |
|------------|----------------|
| EL570ICA   | 17W MAX.       |
| EL570ICA-7 | 17W MAX. 277V  |



5" ICA Housing  
Remodel

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL570RICA | 17W MAX.       |



2-Hour Fire Rated 5" ICA Housing  
New Construction

| CAT NO.    | SPECIFICATIONS      |
|------------|---------------------|
| EL56FICA   | 22W - 7 3/4" Height |
| EL56FICA-7 | 22W - 277V          |



5" Shallow ICA Housing  
New Construction

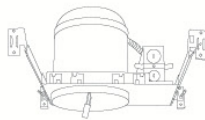
| CAT NO.    | SPECIFICATIONS |
|------------|----------------|
| EL560ICA   | 17W MAX.       |
| EL560ICA-7 | 17W MAX. 277V  |



5" Shallow ICA Housing  
Remodel

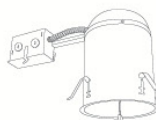
| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL560RICA | 17W MAX.       |

## 6" Dedicated LED ICA Housings



6" IC Housing  
New Construction

| CAT NO.    | SPECIFICATIONS |
|------------|----------------|
| EL770ICA   | 24W MAX.       |
| EL770ICA-7 | 24W MAX. 277V  |



6" ICA Housing  
Remodel

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL770RICA | 24W MAX.       |



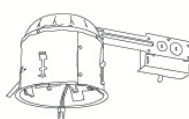
2-Hour Fire Rated 6" ICA Housing  
New Construction

| CAT NO.    | SPECIFICATIONS      |
|------------|---------------------|
| EL76FICA   | 22W - 7 3/4" Height |
| EL76FICA-7 | 22W - 277V          |



6" Shallow IC Housing  
New Construction

| CAT NO.    | SPECIFICATIONS |
|------------|----------------|
| EL760ICA   | 17W MAX.       |
| EL760ICA-7 | 17W MAX. 277V  |



6" Shallow ICA Housing  
Remodel

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL760RICA | 17W MAX.       |



2-Hour Fire Rated  
6" Shallow ICA Housing  
New Construction

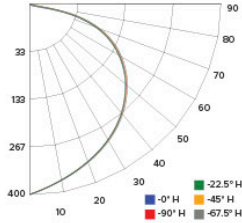
| CAT NO.   | SPECIFICATIONS                       |
|-----------|--------------------------------------|
| EL75FICAS | Shallow. 24W MAX.<br>6 3/16" Height. |

# Photometric Report

## 5"/6" Round LED Adjustable Gimbal Insert

### PHOTOMETRIC REPORT

Product #: EL616CT5 @3000K  
 Wattage / Lumens: 11.7W / 1048 lm  
 Luminaire LPW: 89.57 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°  |
|-----------------|-----|
| 0               | 392 |
| 5               | 387 |
| 15              | 367 |
| 25              | 333 |
| 35              | 285 |
| 45              | 231 |
| 55              | 175 |
| 65              | 118 |
| 75              | 65  |
| 85              | 22  |
| 90              | 3   |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 24.5                    | 10.3'         |
| 6'                       | 10.9                    | 15.5'         |
| 8'                       | 6.12                    | 20.7'         |
| 10'                      | 3.92                    | 25.9'         |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens  | %Luminaire |
|-------|---------|------------|
| 0-30° | 297.1   | 28.3       |
| 0-40° | 479.3   | 45.7       |
| 0-60° | 824.3   | 78.6       |
| 0-90° | 1,045.0 | 99.7       |



**ELCO Lighting**

# Dimmer Compatibility Chart

## 5"/6" LED Inserts

For EL551, EL552, EL616, EL661, EL662, and EL697 Series

### For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| Manufacturer | Product  | Part Number            | Dimmed Light Output Range |
|--------------|--|------------------------|---------------------------|
| Lutron       | Skylark Contour, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way Indoor Application, Residential/Commercial Application | CT-603PG / CT-600PR    | 10% - 100%                |
|              | Diva, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential/Commercial Application                               | DV-600PR / DV603PG     | 10% - 100%                |
|              | Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way  | DVW-603PGH / DVCL-153P | 10% - 100%                |
|              | Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way  | MACL-153M / TGCL-153P  | 10% - 100%                |
|              | Skylark, Single Pole 600W Incandescent/Halogen, Slide-to-Off Dimmer  | S-600PR / S-2-LH       | 10% - 100%                |
| Leviton      |  | 1A1505 / IC1605        | 10% - 100%                |
|              | SureSlide, 120V AC 60Hz, 600W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing                     | 6631 / 6633            | 10% - 100%                |
| Cooper       | Decorator Dimmer, 120V 60Hz, 300W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing                 | DLC03P                 | 10% - 100%                |

**\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



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