

Project name:	
Fixture type:	
Date:	

# 5" or 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**

Wattage	13W
Lumens	950 lm - 1000 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K - 2700K, 3000K, 3500K, 4000K, 5000K
Dimmable	Triac/ELV
Lamp Type	LED, LED
Beam Angle	60°
CRI	90+
Power Factor	>0.9
Damp Location Listed	

## 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 Maintaince 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.

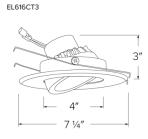
**Dimmability**: Works with 120V Triac and ELV type dimmers. Dims down to 10%. For full list of dimmers refer to the Dimmer Compatibility List.

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

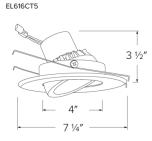
### **Options**



#### **EL616CT3**



### **EL616CT5**



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

### **Product Numbers**

Item	Lamp type	Lumens	сст	Watts	Voltage	Dimming	Beam Angle	Finish
EL616CT3W	LED	950 lm	2700K, 3000K, 3500K	13W	120V	Triac/ELV	60°	All White
EL616CT5W	LED	1000 lm	2700K, 3000K, 3500K, 4000K, 5000K	13W	120V	Triac/ELV	60°	All White
EL616CT5B	LED	1000 lm	2700K, 3000K, 3500K, 4000K, 5000K	13W	120V	Triac/ELV	60°	All Black
EL616CT5BZ	LED	1000 lm	2700K, 3000K, 3500K, 4000K, 5000K	13W	120V	Triac/ELV	60°	All Bronze

### Product Number Builder Example: EL616CT3W

6" LED Gimbal Insert	Color Temp.	Finish
EL616		
	<b>CT3</b> 2700K, 3000K, 3500K <sup>1</sup>	W All White
	<b>CT5</b> 2700K - 5000K	B All Black BZ All Bronze

<sup>&</sup>lt;sup>1</sup> CT3 version only available in White

# **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



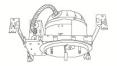
5" ICA Housing Remodel

CAT NO.	SPECIFICATIONS
EL570RICA	17W MAX.



2-Hour Fire Rated 5" ICA Housing **New Construction** 

CAT NO.	SPECIFICATIONS
EL56FICA	22W - 7 ¾" Height
FL56FICA-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 ¾" 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. 6 ³/16" Height.

# Photometric Report

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

#### PHOTOMETRIC REPORT **CANDLE POWER SUMMARY** Product #: EL616CT5 @3000K Degress Vertical 0° Wattage / Lumens: 11.7W / 1048 lm Luminaire LPW: 89.57 lm/W

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



# 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 refrence that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.







INSTEON

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