

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

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

Options



All White



All Black



All Bronze

EL616CT3



EL616CT5



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 Metal 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.

Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
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

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

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
EL616CT5BZ	LED	1000 lm	2700K, 3000K, 3500K, 4000K, 5000K	13W	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.



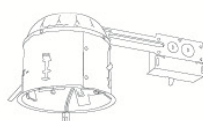
2-Hour Fire Rated 5" ICA Housing
New Construction

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

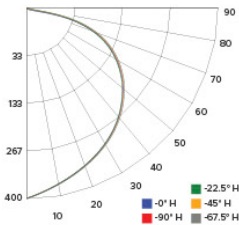
CAT NO.	SPECIFICATIONS
EL75FICAS	Shallow. 24W MAX. 6 3/16" Height.

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.



2042 E. Vernon Ave. Vernon CA 90058 Tel 323.231.2600 Fax 323.231.3200 elcolighting.com