

# 4" 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 4" Dedicated LED Recessed Housings.
- Die-Cast construction provides lasting durability.
- 25° Tilt, 358° rotation.
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Life Span of 50,000 hours L70.

## Specifications

<b>Wattage</b>	9W
<b>Lumens</b>	620 lm - 700 lm
<b>Voltage</b>	120V
<b>Color Temp.</b>	2700K - 2700K, 3000K, 3500K, 4000K, 5000K
<b>Dimmable</b>	Triac/ELV
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	60° - 60°
<b>CRI</b>	90+
<b>Power Factor</b>	>0.9
<b>Damp Location</b>	Listed

## Options



## 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. Diecast construction for lasting quality and 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 EL490ICA, EL490RICA, EL492ICA, EL492RICA, EL49FICA. 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 pixellation.

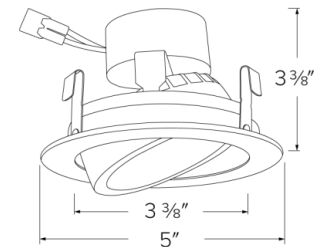
**Dimmability:** Works with 120V Triac and ELV type dimmers . Dims down to 10%. For full list of dimmers refer to the Dimmer Compatibility List.

**Listings:** UL Listed for Damp Location. RoHS Compliant. Energy Star Certified. Title 24 JA8-2019 Compliant

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

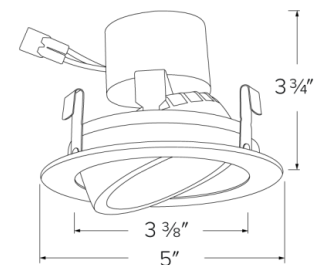
## EL416 & EL416CT3 Dimensions

EL416 Series & EL416CT3



## EL416CT5

EL416CT5



## Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
EL41627W	LED	620 lm	2700K	9W	120V	Triac/ELV	60°	White

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
<b>EL416CT3W</b>	LED	700 lm	2700K, 3000K, 3500K	9W	120V	Triac/ELV	60°	White
<b>EL416CT5W</b>	LED	700 lm	2700K, 3000K, 3500K, 4000K, 5000K	9W	120V	Triac/ELV	60°	White
<b>EL416CT5B</b>	LED	700 lm	2700K, 3000K, 3500K, 4000K, 5000K	9W	120V	Triac/ELV	60°	Black
<b>EL416CT5BZ</b>	LED	700 lm	2700K, 3000K, 3500K, 4000K, 5000K	9W	120V	Triac/ELV	60°	Bronze

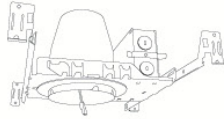
## Product Number Builder Example: EL41627W

ELCO 4" Round Gimbal Insert	Color Temp.	Finish
<b>EL416</b>		
	<b>30</b> 3000K <b>CT3</b> 2700K, 3000K, 3500K <b>CT5</b> 2700K - 5000K	<b>W</b> White <b>B</b> Black <b>BZ</b> Bronze

# Compatible Products

For use with 4" LED inserts

## 4" Dedicated LED ICA Housings



4" ICA Housing  
New Construction



4" ICA Housing  
Remodel



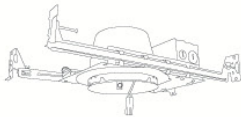
2-Hour Fire Rated 3" ICA Housing  
New Construction

CAT NO.	SPECIFICATIONS
EL490ICA	
EL490ICA-7	277V
EL490ICA-EM5	Emergency Battery Back-up (90 minutes)

CAT NO.	SPECIFICATIONS
EL490RICA	5 1/2" Height

CAT NO.	SPECIFICATIONS
EL49FICA	7 1/2" Height - Sound Rated
EL49FICA-7	277V

## 4" Shallow Dedicated LED IC Housings



4" LED Shallow Housing  
New Construction

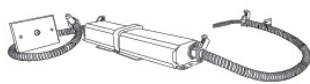


4" LED Shallow Housing  
Remodel

CAT NO.	SPECIFICATIONS
EL492ICA	14W MAX. 3 1/2" Height
EL492ICA-7	277V

CAT NO.	SPECIFICATIONS
EL492RICA	14W MAX. 3 1/2" Height

## 4" Accessories



Emergency Battery Backup



Fire Cover



Fire Enclosure

CAT NO.	SPECIFICATIONS
KEM-LD5	8W, 120/277V

CAT NO.	SPECIFICATIONS
FIRECVR	9 3/4" H x 17" O.D.

CAT NO.	SPECIFICATIONS
FIREENCL	20 3/8" L x 14 3/8" W
FIREENCL-S	Shallow, 16" L x 14 3/8" W



Mica Fire Tape



Socket Adapter



Socket Adapter

CAT NO.	SPECIFICATIONS
FIRETAPE	3/4" W x 16' L

CAT NO.	SPECIFICATIONS
PSA30	Medium Base Connector

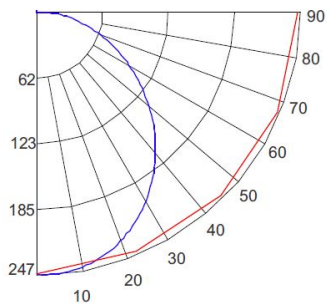
CAT NO.	SPECIFICATIONS
PSA31	GU10 to ideal terminal connector

# LED Adjustable Gimbal Insert

Multiplier: 3000K (x 1.04)

## PHOTOMETRIC REPORT

Product #: EL41627W  
 Wattage/Lumens: 8.52W/ 642 lm  
 Luminaire LPW: 75 Lm/W



## CANDLE POWER SUMMARY

Degrees Vertical	0°
0	245
5	244
15	234
25	215
35	186
45	152
55	116
65	79
75	44
85	11
90	1

## ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	15.3	10.1'
6'	6.80	15.1'
8'	3.83	20.2'
10'	2.45	25.2'

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	185.62	28.90
0-40°	299.00	46.60
0-60°	510.80	79.60
0-90°	640.68	99.80