

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

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

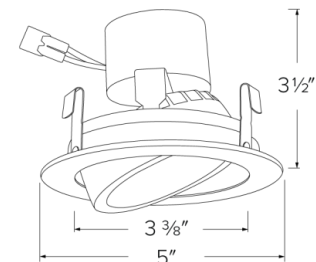
LED Technology:

- 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.



Product Number

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

Product Number Builder

Example: **EL416CT5W**

ELCO 4" Round Gimbal Insert

EL416

Color Temp/Lumen

CT5 2700K - 5000K (700 lm)
HLCT5 2700K - 5000K (1000 lm)

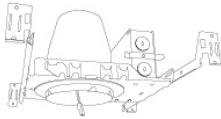
Finish

W White
B Black
BZ Bronze

Compatible Products

For use with 4" LED inserts

4" Dedicated LED ICA Housings



4" ICA Housing
New Construction



4" ICA Housing
Remodel



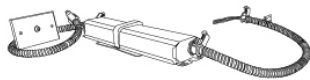
2-Hour Fire Rated ICA Housing
New Construction

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
EL48FICA	6 7/8" Height - 120/277V

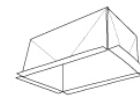
4" Accessories



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

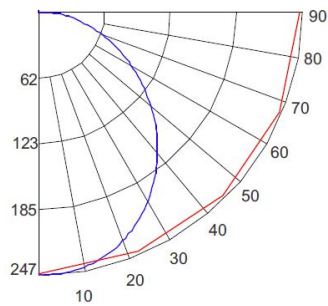
CAT NO.	SPECIFICATIONS
PSA31	GU10 to ideal terminal connector

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