

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 | 12W |
| Lumens | 1000 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.

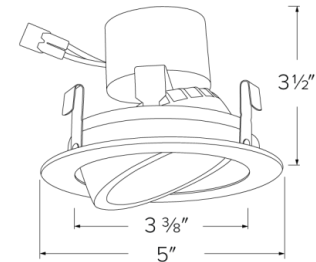
LED Technology:

- 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 |
|-------------|-----------|---------|-----------------------------------|-------|---------|-----------|------------|--------|
| EL416HLCT5W | LED | 1000 lm | 2700K, 3000K, 3500K, 4000K, 5000K | 12W | 120V | Triac/ELV | 60° | White |

Product Number Builder

Example: **EL416CT5W**

ELCO 4" Round Gimbal Insert

EL416

Color Temp/Lumen

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

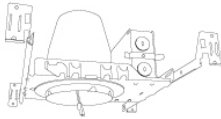
Finish

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



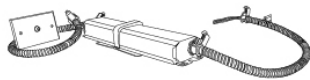
2-Hour Fire Rated ICA Housing
New Construction

| 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 |

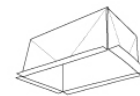
4" Accessories



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 |

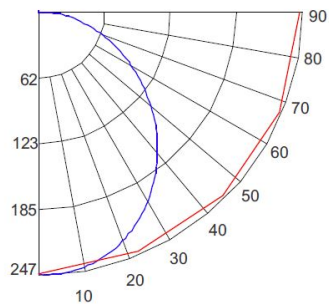
| CAT NO. | SPECIFICATIONS |
|---------|----------------------------------|
| PSA31 | GU10 to ideal terminal connector |

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 |