

# 4" Round LED Adjustable Pull-Down 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

- Functions as downlight, wall wash or accent light.
- Great for lighting up artwork and spotlighting.
- Fits ELCO 4" Dedicated LED Recessed Housings.
- Includes Medium Base Adapter for retrofitting existing E26 Base housings.
- Die-Cast construction provides lasting durability.
- Interchangeable lenses available for multiple beam angles 38° installed, 20° (EP710C) and 60° (EP712C) Field Changeable optics sold separately.
- Provides maximum adjustability of 65° tilt, 356° rotation.
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Life Span of 50,000 hours L70.

## Specifications

|                             |                 |
|-----------------------------|-----------------|
| <b>Wattage</b>              | 12.6W           |
| <b>Lumens</b>               | 800 lm - 840 lm |
| <b>Voltage</b>              | 120V            |
| <b>Color Temp.</b>          | 2700K - 3000K   |
| <b>Dimmable</b>             | Triac/ELV       |
| <b>Lamp Type</b>            | LED             |
| <b>Beam Angle</b>           | 36°             |
| <b>CRI</b>                  | 93+             |
| <b>Damp Location Listed</b> |                 |

## Options



White

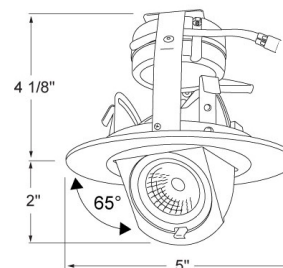


Black



Bronze

## Dimensions



## 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, EL49FICA. PSA30 (Medium Base Socket adapter) allows for use with EL99ICA, EL99RICA, EL99FICA, EL99A, EL99RA. PSA31 (GU10 Socket Adapter, not included) allows for use with EL49ICA, EL49A, EL49RA. PSA35 (GU24 Socket Adapter, not included) allows for use with EL99ICA-G24, EL99RICA-G24. 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. Ambient operating temperature -40°F (-40°C) to 104°F (40°C). Input wattage of 14W. 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:

- cULus Listed for US and Canada
- UL Listed for Damp Location.

## Product Numbers

| Item             | Lamp type | Lumens | CCT   | Watts | Voltage | Dimming   | Beam Angle | Finish |
|------------------|-----------|--------|-------|-------|---------|-----------|------------|--------|
| <b>EL49727B</b>  | LED       | 800 lm | 2700K | 12.6W | 120V    | Triac/ELV | 36°        | Black  |
| <b>EL49730B</b>  | LED       | 840 lm | 3000K | 12.6W | 120V    | Triac/ELV | 36°        | Black  |
| <b>EL49727BZ</b> | LED       | 800 lm | 2700K | 12.6W | 120V    | Triac/ELV | 36°        | Bronze |
| <b>EL49730BZ</b> | LED       | 840 lm | 3000K | 12.6W | 120V    | Triac/ELV | 36°        | Bronze |
| <b>EL49727W</b>  | LED       | 800 lm | 2700K | 12.6W | 120V    | Triac/ELV | 36°        | White  |
| <b>EL49730W</b>  | LED       | 840 lm | 3000K | 12.6W | 120V    | Triac/ELV | 36°        | White  |

- 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 Builder

Example: **EL49727B**

| ELCO 4" Pull-Down LED Insert | Color Temp.   | Finish  |
|------------------------------|---|---|
| <div>EL497</div>             | <div></div> <div>27 2700K</div> <div>30 3000K</div> | <div></div> <div><b>W</b> All White</div> <div><b>B</b> All Black</div> <div><b>BZ</b> All Bronze</div> |

# Compatible Products

For use with 4" LED inserts



## 4" Dedicated LED ICA Housings



4" ICA Housing  
New Construction

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



4" ICA Housing  
Remodel

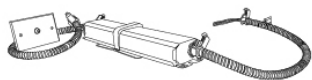
| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL490RICA | 5 1/2" Height  |



2-Hour Fire Rated ICA Housing  
New Construction

| CAT NO.  | SPECIFICATIONS           |
|----------|--------------------------|
| EL48FICA | 6 7/8" Height - 120/277V |

## 4" Accessories



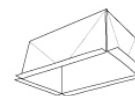
Emergency Battery Backup

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



Fire Cover

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



Fire Enclosure

| 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

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



Socket Adapter

| CAT NO. | SPECIFICATIONS        |
|---------|-----------------------|
| PSA30   | Medium Base Connector |



Socket Adapter

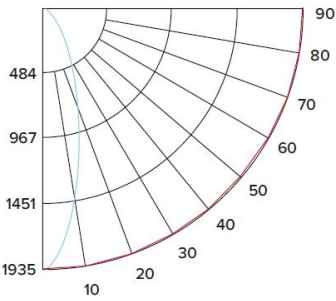
| CAT NO. | SPECIFICATIONS                   |
|---------|----------------------------------|
| PSA31   | GU10 to ideal terminal connector |

# LED Reflector Insert

Multiplier: 2700K (x 0.96)

## PHOTOMETRIC REPORT

Product #: EL49730 (36 Degrees)  
Wattage/Lumens: 13W/ 889 Lm  
Luminaire LPW: 68 Lm/W



## CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 1935 |
| 5                | 1818 |
| 15               | 1219 |
| 25               | 503  |
| 35               | 145  |
| 45               | 45   |
| 55               | 15   |
| 65               | 7    |
| 75               | 3    |
| 85               | 2    |
| 90               | 1    |

## ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 121                     | 2.6'          |
| 6'                       | 53.7                    | 3.9'          |
| 8'                       | 30.2                    | 5.2'          |
| 10'                      | 19.3                    | 6.5'          |

## ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30° | 729.06 | 82.00       |
| 0-40° | 824.66 | 92.70       |
| 0-60° | 876.04 | 98.50       |
| 0-90° | 889.16 | 100.00      |