

# 4" Round LED Baffle 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.



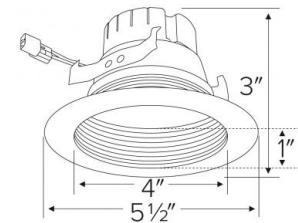
## Features

- Fits ELCO 4" Dedicated LED Recessed Housings, Regular and Shallow.
- Includes Medium Base Adapter (PSA30) for retrofitting existing E26 Base housings.
- Soft white lens provides smooth lumen distribution and eliminates LED pixelation.
- Deep set LED trim reduces glare while providing area illumination.
- Energy Star Certified.
- Title 24 JA8-2019 Compliant.
- Life Span of 50,000 hours L70.
- 5-CCT Switch only available on EL412CT5W.

## Specifications

|                     |           |
|---------------------|-----------|
| <b>Wattage</b>      | 10W       |
| <b>Lumens</b>       | 900 lm    |
| <b>Voltage</b>      | 120V      |
| <b>Color Temp.</b>  | 4000K     |
| <b>Dimmable</b>     | Triac/ELV |
| <b>Lamp Type</b>    | LED       |
| <b>Beam Angle</b>   | 90°       |
| <b>CRI</b>          | 93+       |
| <b>Wet Location</b> | Listed    |

## 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. Spun Aluminum 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 EL490ICA, EL490RICA, EL492ICA, EL492RICA, EL48FICA. 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. 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. Industry leading dimming. Dims smoothly with no hot spots or flickering.

**Listings:** cUL Listed for Wet 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    |
|----------|-----------|--------|-------|-------|---------|-----------|------------|-----------|
| EL41040W | LED       | 900 lm | 4000K | 10W   | 120V    | Triac/ELV | 90°        | All White |

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# Product Number Builder

Example: **EL41027W**

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ELCO 4" LED Baffle Insert

Wattage

Color Temp.

Finish

**EL4**

**10** 10W  
**12** 12W

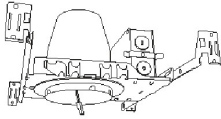
**27** 2700K  
**30** 3000K  
**35** 3500K  
**40** 4000K

**W** All White

# Compatible Products

For use with **4" LED inserts**

## 4" Dedicated LED ICA Housings



4" ICA Housing  
**New Construction**



4" ICA Housing  
**Remodel**



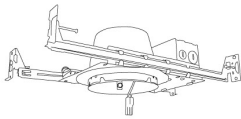
4" ICA 2-Hour Fire Rated Housing  
**New Construction**

| 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 | 7 1/2" Height - Sound Rated |

## 4" Shallow Dedicated LED IC Housings



4" LED Shallow Housing  
**New Construction**

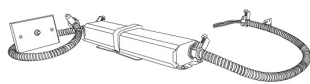


4" LED Shallow Housing  
**Remodel**

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

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

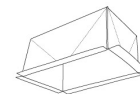
## 4" Accessories



**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. |

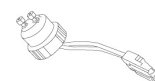
| CAT NO.    | SPECIFICATIONS             |
|------------|----------------------------|
| FIREENCL   | 20 3/8" L x 14 3/8" W      |
| FIREENCL-S | Shallow, 16" L x 14 3/8" W |



**Mica Fire Tape**



**Socket Adapter**



**Socket Adapter**

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

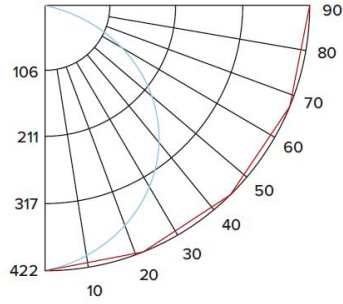
| CAT NO. | SPECIFICATIONS        |
|---------|-----------------------|
| PSA30   | Medium Base Connector |

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

# LED Baffle Insert

## PHOTOMETRIC REPORT

Product #: EL41230  
 Wattage/Lumens: 14.1W/ 1054 Lm  
 Luminaire LPW: 75 Lm/W



## CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 422  |
| 5                | 417  |
| 15               | 397  |
| 25               | 361  |
| 35               | 308  |
| 45               | 243  |
| 55               | 170  |
| 65               | 96   |
| 75               | 29   |
| 85               | 2.96 |
| 90               | 0    |

## ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 26.4                    | 10.1'         |
| 6'                       | 11.7                    | 15.2'         |
| 8'                       | 6.59                    | 20.3'         |
| 10'                      | 4.22                    | 25.4'         |

## ZONAL LUMEN SUMMARY

| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 324.61  | 30.80       |
| 0-40° | 525.80  | 49.90       |
| 0-60° | 891.76  | 84.60       |
| 0-90° | 1054.26 | 100.00      |



**ELCO Lighting**

# Dimmer Compatibility Chart 4" LED Inserts

For EL410 and EL415 Series, EL412CT5, EL417CT5, and EL455CT5

## 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       | Diva, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential/Commercial Application | DV-600PR    | 10% - 100%                |
|              | Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way                          | DVCL-153P   | 10% - 100%                |
|              | Toggler, 120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                      | TGCL-153P   | 10% - 100%                |
|              | Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way                    | MACL-153M   | 10% - 100%                |
|              | Skylark, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application   | CTCL-153P   | 10% - 100%                |
| Leviton      | SureSlide, 120V AC, 60Hz, 150W LED/CFL, 600W Incandescent, Single Pole, 3-Way, Indoor Application      | 6672-1LW    | 10% - 100%                |
|              | SureSlide, 120V AC, 60Hz, 150W LED/CFL, 600W Incandescent, Single Pole, 3-Way, Commercial Application  | 6674        | 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.



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