

# 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.



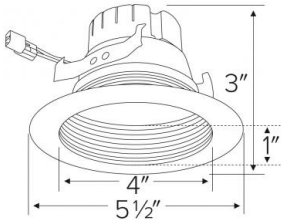
## Features

- 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

Wattage	10W - 12W
Lumens	740 lm - 1000 lm
Voltage	120V
Color Temp.	2700K - 4000K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	90°
CRI	93+
Wet Location	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, 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. Start time of less than .75 seconds.

### LED Technology:

- Extremely accurate color rendering with 93+ CRI.
- Lumen Maintaince 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 Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
EL41027W	LED	740 lm	2700K	10W	120V	Triac/ELV	90°	All White
EL41030W	LED	770 lm	3000K	10W	120V	Triac/ELV	90°	All White
EL41035W	LED	800 lm	3500K	10W	120V	Triac/ELV	90°	All White
EL41040W	LED	830 lm	4000K	10W	120V	Triac/ELV	90°	All White
EL41230W	LED	1000 lm	3000K	12W	120V	Triac/ELV	90°	All White

Product Number Builder

Example: EL41027W

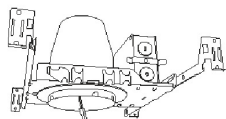
ELCO 4" LED Baffle Insert	Wattage	Color Temp.	Finish
<div>EL4</div>	<div></div>	<div></div>	<div></div>
	<div>10 10W</div> <div>12 12W</div>	<div>27 2700K</div> <div>30 3000K</div> <div>35 3500K</div> <div>40 4000K</div>	<div>W All White</div>

# 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 Back-up (90 minutes)



4" ICA Housing  
**Remodel**

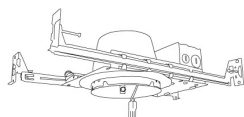
CAT NO.	SPECIFICATIONS
EL490RICA	5 1/2" Height



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

CAT NO.	SPECIFICATIONS
EL48FICA	7 1/2" Height - Sound Rated

## 4" Shallow Dedicated LED IC Housings



4" LED Shallow Housing  
**New Construction**

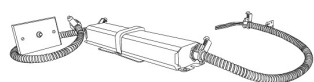
CAT NO.	SPECIFICATIONS
EL492ICA	14W MAX. 3 1/2" Height
EL492ICA-7	277V



4" LED Shallow Housing  
**Remodel**

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

## 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



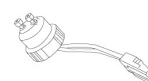
**Mica Fire Tape**

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



**Socket Adapter**

CAT NO.	SPECIFICATIONS
PSA30	Medium Base Connector



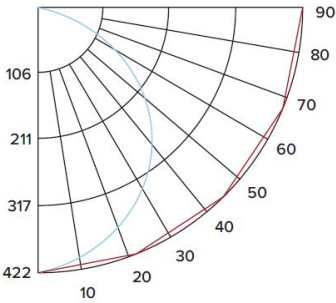
**Socket Adapter**

CAT NO.	SPECIFICATIONS
PSA31	GU10 to ideal terminal connector

# LED 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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