

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. The best green choice for simple residential lighting projects.



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.
- CA Title 24, ENERGY STAR, JA8-2016-E.
- Life Span of 50,000 hours L70.

Specifications

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

Options



White



Black



Bronze



Nickel

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:

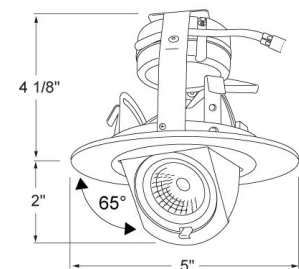
- Extremely accurate color rendering with 93+ CRI.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing integral heat sink.
- Instant On to Full Brightness.
- No LED pixelation.

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.
- RoHS Compliant.
- ENERGY STAR® Certified.

Dimensions



Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
EL49727B	LED	800 lm	2700K	12.6W	120V	Triac/ELV	36°	Black
EL49730B	LED	840 lm	3000K	12.6W	120V	Triac/ELV	36°	Black
EL49727BZ	LED	800 lm	2700K	12.6W	120V	Triac/ELV	36°	Bronze
EL49730BZ	LED	840 lm	3000K	12.6W	120V	Triac/ELV	36°	Bronze
EL49727N	LED	800 lm	2700K	12.6W	120V	Triac/ELV	36°	Nickel
EL49730N	LED	840 lm	3000K	12.6W	120V	Triac/ELV	36°	Nickel
EL49727W	LED	800 lm	2700K	12.6W	120V	Triac/ELV	36°	White
EL49730W	LED	840 lm	3000K	12.6W	120V	Triac/ELV	36°	White

- California Title 24 JA8-2016-E.

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
<input type="text" value="EL497"/>	<input type="text"/>	<input type="text"/>
	27 2700K 30 3000K	W All White B All Black BZ All Bronze N All Nickel

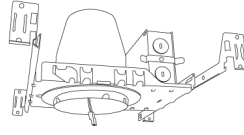
For use with **4" LED Inserts**

4" Dedicated LED IC Housings



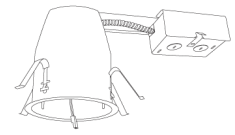
4" 2-Hour Fire Rated
New Construction

CAT NO.	SPECIFICATIONS
EL49FICA	2-Hour Fire Rated



4" LED Housing
New Construction

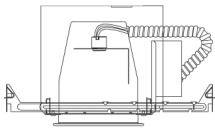
CAT NO.	SPECIFICATIONS
EL490ICA	
EL490ICA-7	277V to 120V Drop Down Transformer
EL490ICA-EM5	90 min. Battery Backup



4" LED Housing
Remodel

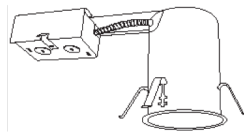
CAT NO.	SPECIFICATIONS
EL490RICA	

4" E26 Base Housings



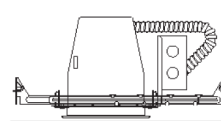
4" IC Housing
New Construction

CAT NO.	SPECIFICATIONS
EL99ICA	50W MAX.



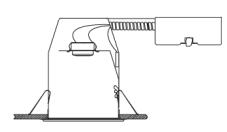
4" IC Housing
Remodel

CAT NO.	SPECIFICATIONS
EL99RICA	50W MAX.



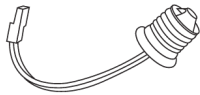
4" Non-IC Housing
New Construction

CAT NO.	SPECIFICATIONS
EL99A	50W MAX.

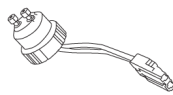


4" Non-IC Housing
Remodel

CAT NO.	SPECIFICATIONS
EL99RA	50W MAX.



PSA30
Medium base to Ideal terminal connector



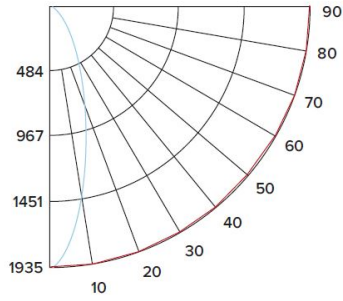
PSA31
GU10 to Ideal connector
PSA31 Available for retrofitting GU10 housings (Not shown above)

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