ELCO Lighting

Project name:

Fixture type:

Date:

4" Round LED Reflector 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.
- Soft white lens provides smooth lumen distribution and eliminates LED pixelation.
- Deep set LED trim reduces glare while providing area illumination.
- Medium base to quick connect adapter included (PSA30)
- Energy Star Certified.
- Title 24 JA8-2019 Compliant.
- Life Span of 50,000 hours L70.

Specifications

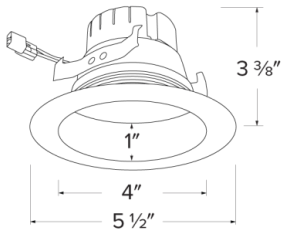
Wattage	11W
Lumens	770 lm
Voltage	120V
Color Temp.	2700K - 5000K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	90°
CRI	93+
Wet Location	Listed

Options

White

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. Spun Metal 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 Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
EL41527W	LED	770 lm	2700K	11W	120V	Triac/ELV	90°	All White
EL41530W	LED	770 lm	3000K	11W	120V	Triac/ELV	90°	All White
EL41535W	LED	770 lm	3500K	11W	120V	Triac/ELV	90°	All White
EL41535BZ	LED	770 lm	3500K	11W	120V	Triac/ELV	90°	All Bronze
EL41540W	LED	770 lm	4000K	11W	120V	Triac/ELV	90°	All White
EL41550W	LED	770 lm	5000K	11W	120V	Triac/ELV	90°	All White

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Product Number Builder Example: **EL41527W**

ELCO 4" LED Reflector Insert	Color Temp.	Finish
EL415		
	27 2700K	**W** All White
	30 3000K	**BZ** All Bronze
	35 3500K	
	40 4000K (White Only)	
	50 5000K (White Only)	

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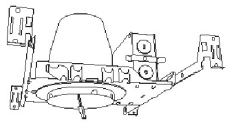
Compatible Products

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)

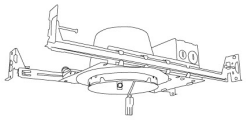
4″ ICA Housing
Remodel

CAT NO.	SPECIFICATIONS
EL490RICA	5 ½″ Height

4″ ICA 2-Hour Fire Rated Housing
New Construction

CAT NO.	SPECIFICATIONS
EL48FICA	7 ½″ Height - Sound Rated

4″ Shallow Dedicated LED IC Housings



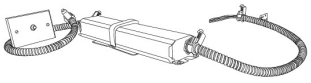
4″ LED Shallow Housing
New Construction

CAT NO.	SPECIFICATIONS
EL492ICA	14W MAX. 3 ½″ Height
EL492ICA-7	277V

4″ LED Shallow Housing
Remodel

CAT NO.	SPECIFICATIONS
EL492RICA	14W MAX. 3 ½″ Height

4″ Accessories

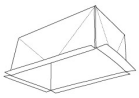


Emergency Battery Backup

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

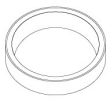
Fire Cover

CAT NO.	SPECIFICATIONS
FIRECVR	9 ¾″ H x 17″ O.D.



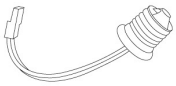
Fire Enclosure

CAT NO.	SPECIFICATIONS
FIREENCL	20 ⅜″ L x 14 ⅜″ W
FIREENCL-S	Shallow, 16″ L x 14 ⅜″ W



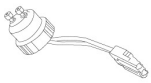
Mica Fire Tape

CAT NO.	SPECIFICATIONS
FIRETAPE	¾″ W x 16′ L



Socket Adapter

CAT NO.	SPECIFICATIONS
PSA30	Medium Base Connector



Socket Adapter

CAT NO.	SPECIFICATIONS
PSA31	GU10 to ideal terminal connector

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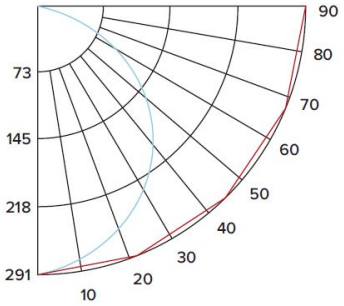
LED Reflector Insert

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

PHOTOMETRIC REPORT

Product #: EL41530
Wattage/Lumens: 10.2W/ 725 Lm
Luminaire LPW: 71 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	290
5	287
15	273
25	249
35	212
45	167
55	117
65	66
75	20
85	2.04
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4’	18.1	10.1’
6’	8.06	15.2’
8’	4.53	20.3’
10’	2.90	25.4’

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	223.37	30.80
0-40°	361.81	49.90
0-60°	613.63	84.60
0-90°	725.45	100

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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 refrence 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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