ELCO Lighting

Project name:

Fixture type:

Date:

5"/6" LED Baffle Insert

ELCO Lighting's inserts are engineered with energy-efficient LED technology that produces even illumination with an incredible 90+ 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.

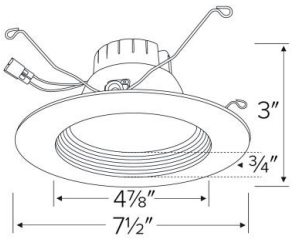
Features

- Fits ELCO 5" or 6" 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.

Specifications

Wattage	12W - 14W
Lumens	800 lm - 1200 lm
Voltage	120V
Color Temp.	2700K - 4000K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	90°
CRI	90+
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 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 EL570ICA, EL570RICA, EL56FICA, EL560ICA, EL560RICA, EL770ICA, EL770RICA, EL760ICA, EL760RICA, EL76FICA. 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 90+ 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
EL61027W	LED	800 lm	2700K	12W	120V	Triac/ELV	90°	All White
EL61030W	LED	850 lm	3000K	12W	120V	Triac/ELV	90°	All White
EL61140W	LED	1200 lm	4000K	14W	120V	Triac/ELV	90°	All White

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Product Number Builder Example: **EL61027W**

ELCO 5" or 6" LED Baffle Insert	Wattage	Color Temp.	Finish
EL6			
	10 12W	**27** 2700K	**W** All White
	11 14W	**30** 3000K	
		40 4000K	

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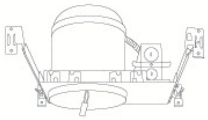
Compatible Products

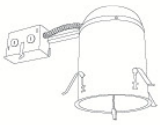
For use with **5″ or 6″ LED inserts**

5″ Dedicated LED ICA Housings



5″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL570ICA	17W MAX.
EL570ICA-7	17W MAX. 277V

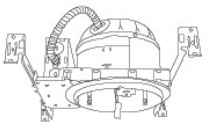


5″ ICA Housing
Remodel

CAT NO.	SPECIFICATIONS
EL570RICA	17W MAX.

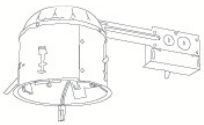
2-Hour Fire Rated 5″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL56FICA	22W - 7 ¾″ Height
EL56FICA-7	22W - 277V



5″ Shallow ICA Housing
New Construction

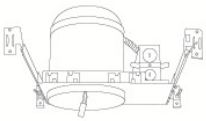
CAT NO.	SPECIFICATIONS
EL560ICA	17W MAX.
EL560ICA-7	17W MAX. 277V



5″ Shallow ICA Housing
Remodel

CAT NO.	SPECIFICATIONS
EL560RICA	17W MAX.

6″ Dedicated LED ICA Housings



6″ IC Housing
New Construction

CAT NO.	SPECIFICATIONS
EL770ICA	24W MAX.
EL770ICA-7	24W MAX. 277V

6″ ICA Housing
Remodel

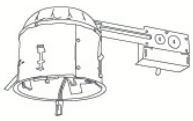
CAT NO.	SPECIFICATIONS
EL770RICA	24W MAX.

2-Hour Fire Rated 6″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL76FICA	22W - 7 ¾″ Height
EL76FICA-7	22W - 277V

6″ Shallow IC Housing
New Construction

CAT NO.	SPECIFICATIONS
EL760ICA	17W MAX.
EL760ICA-7	17W MAX. 277V



6″ Shallow ICA Housing
Remodel

CAT NO.	SPECIFICATIONS
EL760RICA	17W MAX.

2-Hour Fire Rated
6″ Shallow ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL75FICAS	Shallow. 24W MAX. 6 3/16″ Height.

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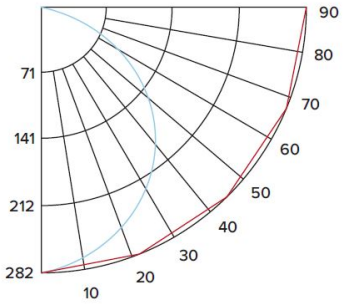
LED Baffle Insert

Multiplier: 3000K (x 1.04), 4000K (x 1.12)

PHOTOMETRIC REPORT

Product #: EL61027
Wattage/Lumens: 10.1W/ 731 Lm
Luminaire LPW: 72 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	282
5	280
15	267
25	245
35	213
45	172
55	125
65	74
75	25
85	1.9
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	17.6	10.7'
6'	7.83	16.1'
8'	4.41	21.5'
10'	2.82	26.8'

ZONAL LUMEN SUMMARY

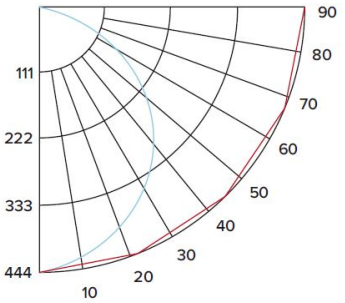
Zone	Lumens	% Luminaire
0-30°	217.58	29.80
0-40°	354.58	48.50
0-60°	611.22	83.60
0-90°	731.10	100.00

LED Baffle Insert

Multiplier: 4000K (x 1.08)

PHOTOMETRIC REPORT

Product #: EL61130
Wattage/Lumens: 13.6W/ 1153 Lm
Luminaire LPW: 85 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	444
5	442
15	427
25	397
35	351
45	285
55	209
65	127
75	47
85	6.09
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	27.8	10.7'
6'	12.3	16.1'
8'	6.94	21.5'
10'	4.44	26.8'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	344.66	29.90
0-40°	563.06	48.80
0-60°	969.17	84.10
0-90°	1152.7	100.00

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Dimmer Compatibility Chart

6″ LED Inserts

For EL610, EL615, and EL655 Series

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.

amazon alexa | Google Assistant | Apple HomeKit | INSTEON | LUTRON | wemo

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