ELCO Lighting

Project name:

Fixture type:

Date:

3" 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 3″ Dedicated LED Recessed Housings for New Construction and Remodel.
- Soft white lens provides smooth lumen distribution and eliminates LED pixelation.
- Deep set LED trim reduces glare while providing area illumination.
- Diecast construction provides lasting durability.
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Life Span of 50,000 hours L70.

Specifications

Wattage	9W
Lumens	700 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K
Dimmable	Triac/ELV
Lamp Type	LED
CRI	93+
Wet Location	Listed

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: Quick connect for use with ELCO housings EL390ICA, EL390RICA, EL39FICA**.**

Electrical: Driver connects to 120V power supply. High Efficiency driver with a power factor > 0.9.

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:

- UL Listed 1598 Luminaire
- UL Listed for Wet Location
- RoHS Compliant
- Energy Star Certified
- Title 24 JA8-2019 Compliant

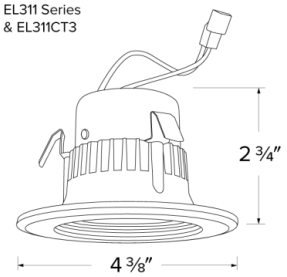
Warranty: ELCO Products are built to last with a 5-year Limited Warranty.

Options

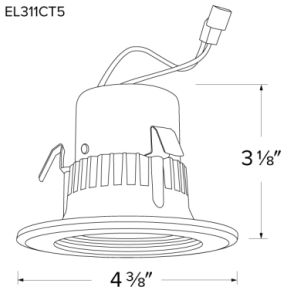
White

Bronze

EL311 Series & EL311CT3



EL311CT5



Product Number

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Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Finish
EL311CT3BZ	LED	700 lm	2700K, 3000K, 3500K	9W	120V	Triac/ELV	Bronze

Product Number Builder Example: **EL31127W**

ELCO 3" Round Insert	Color Temp.	Finish
EL311		
	27 2700K **30** 3000K **CT3** 2700K, 3000K, 3500K **CT5** 2700K - 5000K	**W** White **BZ** Bronze

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Compatible Products

For use with **3″ LED inserts**

3″ Dedicated LED ICA Housings

3″ ICA Maximum Adjustability Housing
New Construction

CAT NO.	SPECIFICATIONS
EL386ICA	Maximum Adjustability

3″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL390ICA	
EL390ICA-7	277V
EL390ICA-EM5	Emergency Battery Back-up (90 minutes)

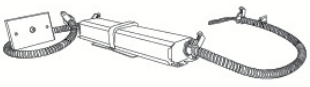
3″ ICA Housing
Remodel

CAT NO.	SPECIFICATIONS
EL390RICA	

2-Hour Fire Rated 3″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL39FICA	7 ½″ Height - Sound Rated
EL39FICA-7	277V

3″ 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

2042 E. Vernon Ave., Vernon, CA 90058 • Tel (323) 231-2600 Fax (323) 231-3200 • elcolighting.com
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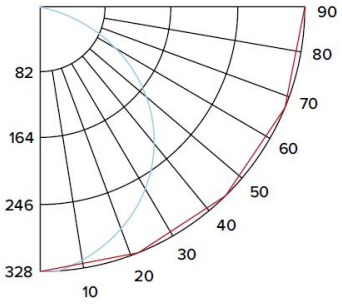
LED Baffle Insert

Multiplier: 3000K (x 1.04)

PHOTOMETRIC REPORT

Product #: EL31127
Wattage/Lumens: 8.1W/ 683 Lm
Luminaire LPW: 84 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	328
5	325
15	309
25	277
35	228
45	166
55	104
65	51
75	15
85	3.99
90	0.09

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4’	20.5	8.1’
6’	9.10	12.2’
8’	5.12	16.3’
10’	3.28	20.3’

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	245.48	35.90
0-40°	387.91	56.80
0-60°	609.91	89.20
0-90°	683.40	100.00

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