3" Square 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 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	640 lm
Voltage	120V
Color Temp.	3000K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	90°
CRI	93+
Wet Location	Listed

Options

White	Bronze	Black

Dimensions

2¾"

4⅜"

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 Maintaince of 50,000 hours L70 life based on LM80 standardized test results.
- Superior Thermal Management by utilizing integral heat sink.
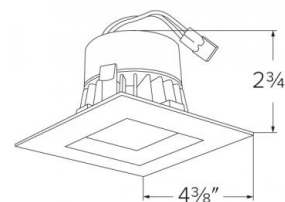- Instant On to Full Brightness.
- No LED pixelation.

Dimmability: Works with 120V Triac and ELV type dimmers . Dims down to 10%. For full list of dimmers refer to the Dimmer Compatibility List.

Listings:

- 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.

Product Number

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
EL33230BZ	LED	640 lm	3000K	9W	120V	Triac/ELV	90°	Bronze

Product Number Builder   Example: **EL33227W**

ELCO 3" Square Reflector Insert	Color Temp.	Finish
EL332		

27 2700K (White Only)
30 3000K
CT3 2700K, 3000K, 3500K

W White
BZ Bronze (3000K Only)
BB Black

Compatible Products

For use with **3″ LED inserts**

3″ Dedicated LED ICA Housings
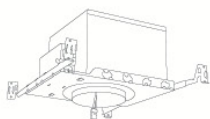
3″ ICA Maximum Adjustability Housing
New Construction

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

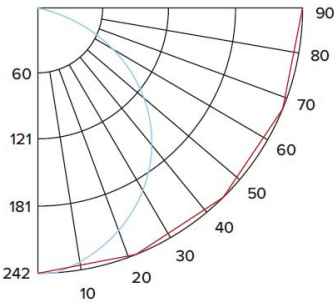| CAT NO.	SPECIFICATIONS
FIREENCL	20 ⅜″ L x 14 ⅜″ W
FIREENCL-S	Shallow, 16″ L x 14 ⅜″ W

Mica Fire Tape

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

LED Reflector Insert

Multiplier: 2700K (x 0.96)

PHOTOMETRIC REPORT

Product #: EL33230
Wattage/Lumens: 8.8W/ 467 Lm
Luminaire LPW: 53 Lm/W

CANDLE POWER SUMMARY

Degrees Vertical	0°
0	241
5	239
15	226
25	200
35	159
45	109
55	62
65	28
75	9
85	0.54
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	15.1	7.4'
6'	6.69	11.1'
8'	3.76	14.7'
10'	2.41	18.4'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	179.35	38.40
0-40°	281.26	60.20
0-60°	427.17	91.50
0-90°	466.93	100.00