4" Square 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 4" Dedicated LED Recessed Housings, Regular and Shallow.
- Includes Medium Base Adapter 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.
- Die-Cast construction provides lasting durability.
- Energy Star Certified.
- Title 24 JA8-2019 Compliant.
- Life Span of 50,000 hours L70.

Specifications

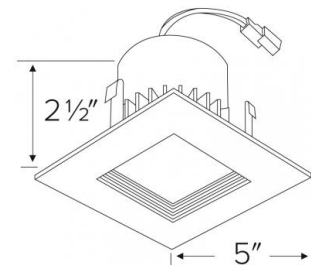|	
Wattage	10W
Lumens	750 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	90º
CRI	93+
Wet Location	Listed

Options

White   **Bronze**

Dimensions

2½"

5"

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, EL492ICA, EL492RICA, 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 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
EL441CT3BZ	LED	750 lm	2700K, 3000K, 3500K	10W	120V	Triac/ELV	90º	Bronze

Product Number Builder   Example: **EL44127W**

ELCO 4" Square Insert	Color Temp.	Finish
EL441		

27 2700K
30 3000K
CT3 2700K, 3000K, 3500K
CT5 2700K - 5000K

W White
B Bronze

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

2-Hour Fire Rated 3″ ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL49FICA	7 ½″ Height - Sound Rated
EL49FICA-7	277V

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
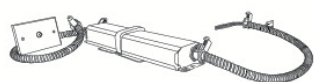
Emergency Battery Backup

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

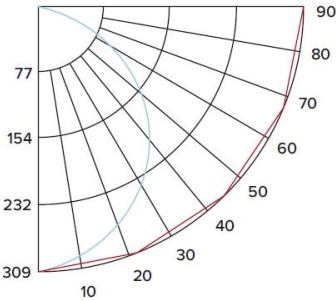| CAT NO.	SPECIFICATIONS
PSA30	Medium Base Connector

Socket Adapter

CAT NO.	SPECIFICATIONS
PSA31	GU10 to ideal terminal connector

LED Baffle Insert

Multiplier: 2700K (x 0.96)

PHOTOMETRIC REPORT

Product #: EL44130
Wattage/Lumens: 10.52W/ 681 Lm
Luminaire LPW: 65 Lm/W

CANDLE POWER SUMMARY

Degrees Vertical	0°
0	309
5	307
15	291
25	258
35	214
45	163
55	108
65	58
75	19
85	2.21
90	0.17

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	19.3	8.4'
6'	8.58	12.6'
8'	4.82	16.9'
10'	3.09	21.1'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	230.08	33.80
0-40°	364.81	53.60
0-60°	591.95	87.00
0-90°	679.14	99.80