

6" Square LED Square 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.



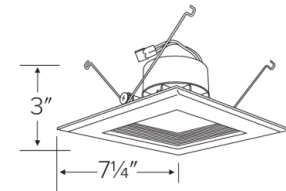
Features

- Fits ELCO 6" 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.
- Rotates +45° for alignment.
- Energy Star Certified.
- Title 24 JA8-2019 Compliant.
- Life Span of 50,000 hours L70.

Specifications

Wattage	16W
Lumens	1300 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
Dimmable	Triac/ELV
Lamp Type	LED
CRI	93+
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. 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 EL770ICA, EL770RICA, EL76FICA, EL760ICA, EL760RICA. 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.

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	Finish
EL661CT5W	LED	1300 lm	2700K, 3000K, 3500K, 4000K, 5000K	16W	120V	Triac/ELV	White

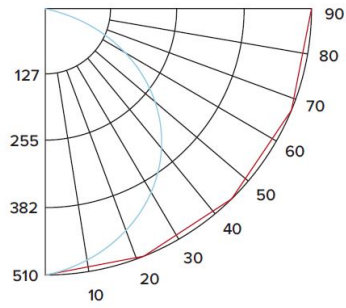
Product Number Builder Example: EL661CT5W

ELCO 6" Square Insert	Color Temp.	Finish
EL661	CT5 2700K - 5000K	W White

LED Baffle Insert

PHOTOMETRIC REPORT

Product #: EL66130
 Wattage/Lumens: 15.9W/ 1208 Lm
 Luminaire LPW: 76 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	Candle Power
0°	508
5°	505
15°	483
25°	440
35°	373
45°	293
55°	199
65°	94
75°	24
85°	4
90°	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	31.8	9.3'
6'	14.1	14.0'
8'	7.94	18.6'
10'	5.08	23.3'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	387.60	32.10
0-40°	624.11	51.70
0-60°	1047.68	86.70
0-90°	1207.72	100.00

Compatible Products

For use with 6" LED inserts

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 3/4" Height
EL76FICA-7	22W - 277V



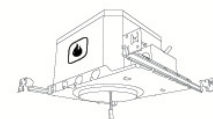
6" Shallow IC Housing
New Construction

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



6" Shallow ICA Housing
Remodel

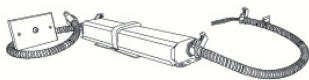
CAT NO.	SPECIFICATIONS
EL760RICA	17W MAX.



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

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

6" Accessories



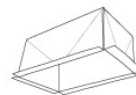
Emergency Battery Backup

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



Fire Cover

CAT NO.	SPECIFICATIONS
FIRECVR	9 3/4" H x 17" O.D.



Fire Enclosure

CAT NO.	SPECIFICATIONS
FIREENCL	20 3/8" L x 14 3/8" W
FIREENCL-S	Shallow, 16" L x 14 3/8" W



Mica Fire Tape

CAT NO.	SPECIFICATIONS
FIRETAPE	3/4" W x 16' L