

# 3" Round 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

<b>Wattage</b>	10W
<b>Lumens</b>	710 lm
<b>Voltage</b>	120V
<b>Color Temp.</b>	2700K, 3000K, 3500K, 4000K, 5000K
<b>Dimmable</b>	Triac/ELV
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	90°
<b>CRI</b>	93+
<b>Wet Location</b>	Listed

## Options



White



Bronze

## 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.

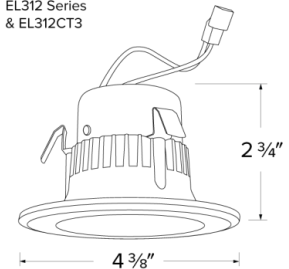
### Listings:

- 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.

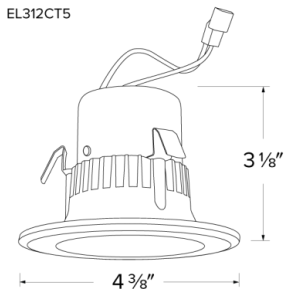
## EL312 Series & EL312CT3

EL312 Series & EL312CT3



## EL312CT5

EL312CT5



## Product Number

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
<b>EL312CT5W</b>	LED	710 lm	2700K, 3000K, 3500K, 4000K, 5000K	10W	120V	Triac/ELV	90°	White

## Product Number Builder Example: EL312CT3W

ELCO 3" Round Insert	Color Temp.	Finish
<input type="text" value="EL312"/>	<input type="text"/>	<input type="text"/>
	<b>CT3</b> 2700K, 3000K, 3500K <b>CT5</b> 2700K - 5000K	<b>W</b> White <b>BZ</b> Bronze

# 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 1/2" Height - Sound Rated
EL39FICA-7	277V

## 3" Accessories



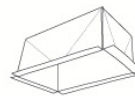
**Emergency Battery Backup**

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



**Fire Cover**

CAT NO.	SPECIFICATIONS
FIRECVR	9 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**

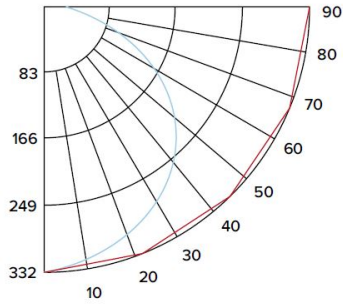
CAT NO.	SPECIFICATIONS
FIRETAPE	3/4" W x 16' L

# LED Reflector Insert

Multiplier: 3000K (x 1.04)

## PHOTOMETRIC REPORT

Product #: EL31227  
 Wattage/Lumens: 8.1W/ 692 Lm  
 Luminaire LPW: 85 Lm/W



## CANDLE POWER SUMMARY

Degrees Vertical	0°
0	332
5	329
15	313
25	280
35	231
45	168
55	105
65	52
75	16
85	4.04
90	0.09

## ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	20.7	8.1'
6'	9.22	12.2'
8'	5.19	16.3'
10'	3.32	20.3'

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	248.63	35.90
0-40°	392.88	56.80
0-60°	617.73	89.20
0-90°	692.16	100.00