

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.
- CA Title 24, ENERGY STAR, JA8-2016-E.
- Life Span of 50,000 hours L70.

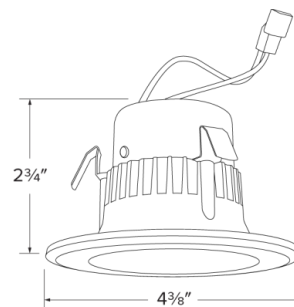
Specifications

| | |
|---------------------|-----------------|
| Wattage | 9W |
| Lumens | 675 lm - 700 lm |
| Voltage | 120V |
| Color Temp. | 2700K - 3000K |
| Dimmable | Triac/ELV |
| Lamp Type | LED |
| Beam Angle | 90° - 90° |
| CRI | 93+ |
| Wet Location | Listed |

Options



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: 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
- Meets California Title 24 JA8-2016-E requirements.

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

Product Numbers

| Item | Lamp type | Lumens | CCT | Watts | Voltage | Dimming | Beam Angle | Finish |
|-------------------|-----------|--------|---------------------|-------|---------|-----------|------------|--------|
| EL31227W | LED | 675 lm | 2700K | 9W | 120V | Triac/ELV | 90° | White |
| EL31227BZ | LED | 675 lm | 2700K | 9W | 120V | Triac/ELV | 90° | Bronze |
| EL31230W | LED | 700 lm | 3000K | 9W | 120V | Triac/ELV | 90° | White |
| EL31230BZ | LED | 700 lm | 3000K | 9W | 120V | Triac/ELV | 90° | Bronze |
| EL312CT3W | LED | 700 lm | 2700K, 3000K, 3500K | 9W | 120V | Triac/ELV | 90° | White |
| EL312CT3BZ | LED | 700 lm | 2700K, 3000K, 3500K | 9W | 120V | Triac/ELV | 90° | Bronze |

Product Number Builder

Example: **EL31227W**

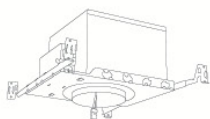
| ELCO 3" Round Insert | Color Temp. | Finish |
|----------------------|--------------------------------|------------------|
| EL312 | | |
| | 27 2700K | W White |
| | 30 3000K | BZ Bronze |
| | CT3 2700K, 3000K, 3500K | |

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

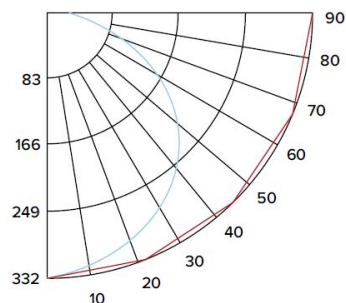
| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| FIRETAPE | 3/4" W x 16' L |

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 |