ELCO Lighting

Project name:

Fixture type:

Date:

# 5" or 6" 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 5" or 6" Dedicated LED Recessed Housings, Regular and Shallow
- Medium base to quick connect adapter included (PSA30)
- Soft white lens provides smooth lumen distribution and eliminates LED pixelation
- Deep set LED trim reduces glare while providing area illumination
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Life Span of 50,000 hours L70

## Specifications

| | |
|---|---|
| **Wattage** | 12W - 20W |
| **Lumens** | 800 lm - 1400 lm |
| **Voltage** | 120V |
| **Color Temp.** | 2700K - 5000K |
| **Dimmable** | Triac/ELV |
| **Lamp Type** | LED |
| **CRI** | 93+ |
| **Wet Location** | Listed |

## Options

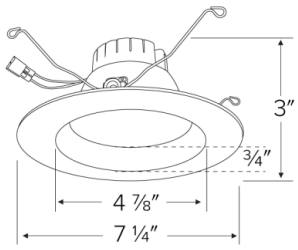


**White**



**Bronze**

## 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. Spun Aluminum for 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 EL570ICA, EL570RICA, EL560ICA, EL560RICA, EL56FICA. 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 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. Industry leading dimming. Dims smoothly with no hot spots or flickering.

**Listings**: cUL 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 Numbers

| Item | Lamp type | Lumens | CCT | Watts | Voltage | Dimming | Finish |
|---|---|---|---|---|---|---|---|
| **EL61527W** | LED | 800 lm | 2700K | 12W | 120V | Triac/ELV | All White |
| **EL61530W** | LED | 850 lm | 3000K | 12W | 120V | Triac/ELV | All White |
| **EL61535W** | LED | 900 lm | 3500K | 12W | 120V | Triac/ELV | All White |
| **EL61540W** | LED | 900 lm | 4000K | 12W | 120V | Triac/ELV | All White |
| **EL61550W** | LED | 950 lm | 5000K | 12W | 120V | Triac/ELV | AllWhite |
| **EL61727W** | LED | 1100 lm | 2700K | 14W | 120V | Triac/ELV | All White |
| **EL61735W** | LED | 1100 lm | 3500K | 14W | 120V | Triac/ELV | All White |

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| Item | Lamp type | Lumens | CCT | Watts | Voltage | Dimming | Finish |
|---|---|---|---|---|---|---|---|
| **EL61740W** | LED | 1100 lm | 4000K | 14W | 120V | Triac/ELV | All White |
| **EL62727W** | LED | 1400 lm | 2700K | 20W | 120V | Triac/ELV | All White |

## Product Number Builder Example: **EL61527W**

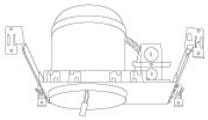
| ELCO 5" or 6" LED Reflector Insert | Lumens | Color Temp. | Finish |
|---|---|---|---|
| **EL6** | | | |
| | **15** 800 lm | **27** 2700K | **W** All White |
| | **17** 1000 lm (White only) | **30** 3000K | **BZ** All Bronze (615 Only) |
| | **27** 1400 lm (White only) | **35** 3500K | |
| | | **40** 4000K | |
| | | **50** 5000K (White Only) | |


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# Compatible Products

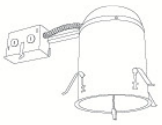
For use with **5″ or 6″ LED inserts**

## 5″ Dedicated LED ICA Housings



5″ ICA Housing
New Construction

| CAT NO. | SPECIFICATIONS |
|---|---|
| EL570ICA | 17W MAX. |
| EL570ICA-7 | 17W MAX. 277V |



5″ ICA Housing
Remodel

| CAT NO. | SPECIFICATIONS |
|---|---|
| EL570RICA | 17W MAX. |



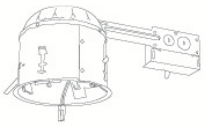
2-Hour Fire Rated 5″ ICA Housing
New Construction

| CAT NO. | SPECIFICATIONS |
|---|---|
| EL56FICA | 22W - 7 ¾″ Height |
| EL56FICA-7 | 22W - 277V |



5″ Shallow ICA Housing
New Construction

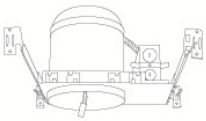
| CAT NO. | SPECIFICATIONS |
|---|---|
| EL560ICA | 17W MAX. |
| EL560ICA-7 | 17W MAX. 277V |



5″ Shallow ICA Housing
Remodel

| CAT NO. | SPECIFICATIONS |
|---|---|
| EL560RICA | 17W MAX. |

## 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. |



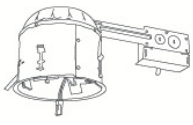
2-Hour Fire Rated 6″ ICA Housing
New Construction

| CAT NO. | SPECIFICATIONS |
|---|---|
| EL76FICA | 22W - 7 ¾″ Height |
| EL76FICA-7 | 22W - 277V |



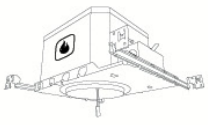
6″ Shallow IC Housing
New Construction

| 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

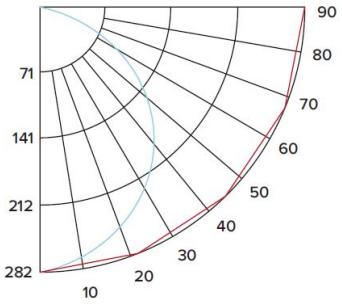
| CAT NO. | SPECIFICATIONS |
|---|---|
| EL75FICAS | Shallow. 24W MAX. 6 3/16″ Height. |


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# LED Reflector Insert

### PHOTOMETRIC REPORT

Product #: EL61527
Wattage/Lumens: 10.1W/ 731 Lm
Luminaire LPW: 72 Lm/W




### CANDLE POWER SUMMARY

| Degrees Vertical | 0° |
|---|---|
| 0 | 282 |
| 5 | 280 |
| 15 | 267 |
| 25 | 245 |
| 35 | 213 |
| 45 | 172 |
| 55 | 125 |
| 65 | 74 |
| 75 | 25 |
| 85 | 1.9 |
| 90 | 0 |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4’ | 17.6 | 10.7’ |
| 6’ | 7.83 | 16.1’ |
| 8’ | 4.41 | 21.5’ |
| 10’ | 2.82 | 26.8’ |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-30° | 217.58 | 29.80 |
| 0-40° | 354.58 | 48.50 |
| 0-60° | 611.22 | 83.60 |
| 0-90° | 731.10 | 100.00 |


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# Dimmer Compatibility Chart
## 6″ LED Inserts

For EL610SD, EL615SD, EL61140, EL617/EL621/EL625/EL627/EL695 Series, EL611CT5, EL612CT5, EL617CT5, EL637CT5, EL670CT5, EL685CT5,

### For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| Manufacturer | Product | Part Number | Dimmed Light Output Range |
|---|---|---|---|
| Lutron | Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way | DVCL-153P | 10% - 100% |
| | Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way | DVCL-153PR | 10% - 100% |
| | Diva® 250W Single Pole/3-Way Dimmer | DVCL-253P | 10% - 100% |
| | Maestro, 120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application | MA-PRO | 10% - 100% |
| | Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way | MACL-153MLH | 10% - 100% |
| | Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way | MACL-153M | 10% - 100% |
| | Maestro Wireless, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application | MRF2S-6CL | 10% - 100% |
| | Caseta, 120V AC, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, Multi-Location, Indoor Application | P-PKG1W | 10% - 100% |
| | Caseta Wireless, 120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way | PD-6WCL | 10% - 100% |
| | Radiora, 120V AC, 50/60Hz, 600W Incandescent/Halogen, Single Pole, Indoor Application | RRD-6ND | 10% - 100% |
| | Radiora 2, 120V, 50/60Hz, 250W LED/CFL, 500W Incandescent/Halogen, Single Pole/Multi-Location, Indoor Application | RRD-PRO | 10% - 100% |
| | Skylark® C·L Single Pole/3-Way, 150W LED/CFL or 600W Incandescent/Halogen | SCL-153P | 10% - 100% |
| | Sunnata, 120V AC, 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application | STCL-153PH | 10% - 100% |
| Leviton | SureSlide Decora, 120V AC, 60Hz, 150W LED/CFL, 600W Incandescent, Single Pole, 3-Way | 6674 | 10% - 100% |
| | Decora, 120V AC, 60Hz, 300W LED/CFL, 600W Incandescent, Single Pole, 3-Way | DSL06 | 10% - 100% |
| | Decora, 120V AC, 60Hz, 300W LED/CFL, 600W Incandescent, Single Pole, 3-Way | DW6HD | 10% - 100% |
| | Universal Rotary, 120V AC, 60Hz, 300W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way | RNL06 | 10% - 100% |
| Legrand | 120V AC, 60Hz, 450/700W Incandescent, LED/CFL, Single Pole, 3-Way | RHCL-453P | 10% - 100% |
| Kasa | 120VAC, 60Hz, 150W LED, 300W Incandescent, Single Pole, Indoor Application | HS220 | 10% - 100% |

*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross refrence that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.

amazon alexa | Google Assistant | Apple HomeKit | INSTEON | LUTRON | wemo

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