ELCO Lighting

Project Name:
Fixture Type:
Date:

3″ LED HOUSINGS AND LED INSERTS

9W - 10W, 2700K-5000K, Up to 710 lm, 120V

Engineered with energy-efficient LED technology that produces even illumination.



FEATURES

- IC Airtight for direct contact with insulation. 120V Quick Connect
- Integrated collar allows for use with ⅝″ thick to 1 ½″ thick ceilings. Integrated Non-combustible insulation acts as a sound barrier minimizing sound transfer between floors.
- Meets Title 24 Requirements. ENERGY STAR® Certified.

SET UP

1. Select a New Construction or Remodel Housing.
2. Select a LED insert.



SPECIFICATIONS

Wattage	9W - 10W
Lumens	640 lm - 710 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
Damp Location	UL Listed (Adjustable)
Wet Location	UL Listed (Fixed)
Dimming	Triac/ELV
Beam Angle	90°

Finishes

All White | All Black | All Bronze

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PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one) Example: EL390ICA

3" DEDICATED LED HOUSING

ITEM	STYLE	ICA	OPTIONAL EMERGENCY BATTERY BACKUP
EL3			
	Standard New Construction/Remodel Housings		
	90[1] New Construction (5 ½" Height) **90R** Remodel (5 ½" Height)	**ICA** IC Airtight	**(Blank)** No Battery Backup **-EM5**[2] 90 min., 25W MAX
	[1] Collar adjustable up to 1 ½" ceiling thickness		[2] Accessible from below the ceiling
	2-Hr Fire Rated New Construction Housings		
	9F[1] New Construction (7 ¾" Height) 2-Hour Fire Rated	**ICA** IC Airtight	**(Blank)** No Battery Backup **-EM5**[2] 90 min., 25W MAX
	[1] Collar adjustable up to 1 ½" ceiling thickness		[2] Access from above required

PRODUCT NUMBER BUILDER

STEP 2. Specify LED Insert part number (Select one) Example: EL311CT5BZ

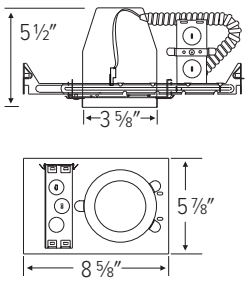
ITEM	STYLE	COLOR TEMPERATURE	COLOR FINISH
EL3			
EL3	**11** [1,4] Round Baffle, 10W, 710 lm **12** [1,4] Round Reflector, 10W, 710 lm **13** [2,5] Round Gimbal, 9W, 700 lm **31** [2,4] Square Baffle, 9W, 700 lm **32** [3,4] Square Reflector, 9W, 640 lm	**CT5** CCT Switch: 2700K, 3000K, 3500K, 4000K, 5000K	**W** White **BB** All Black **BZ** Bronze
	[1] White and Bronze only [2] White only [3] White and Black only [4] Wet Location [5] Damp Location		

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PRODUCT DIMENSIONS

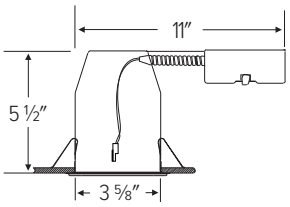
DEDICATED LED HOUSINGS

EL390ICA
NEW CONSTRUCTION DEDICATED LED IC AIRTIGHT HOUSING



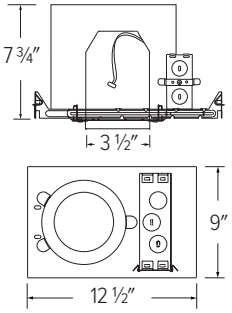


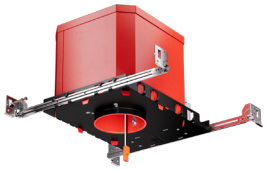
EL390RICA
REMODEL DEDICATED LED IC AIRTIGHT HOUSING





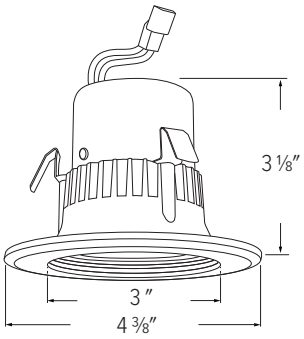
EL39FICA
NEW CONSTRUCTION 2-HOUR FIRE RATED IC AIRTIGHT HOUSING



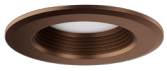


DEDICATED LED ROUND INSERTS

EL311CT5W - 3″ ROUND LED BAFFLE WITH 5-CCT SWITCH

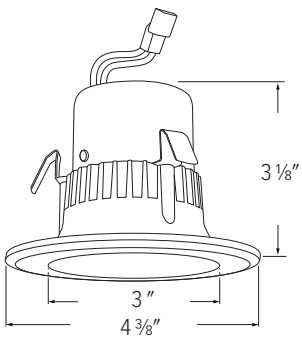






W (All White) **BZ** (All Bronze)

EL312CT5 - 3″ ROUND LED REFLECTOR







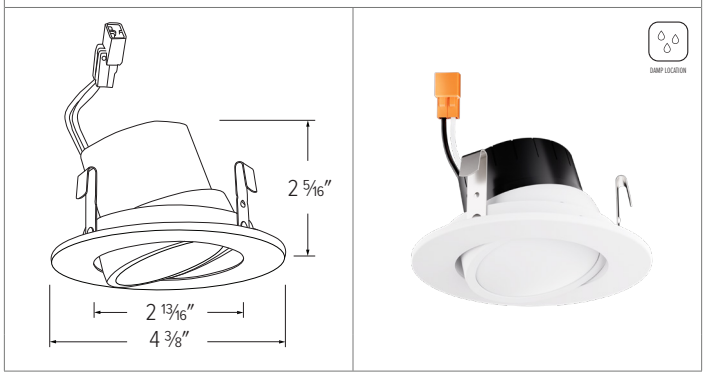
W (All White) **BZ** (Bronze)

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PRODUCT DIMENSIONS

DEDICATED LED ROUND INSERTS

EL313CT5 - 3″ ROUND LED GIMBAL

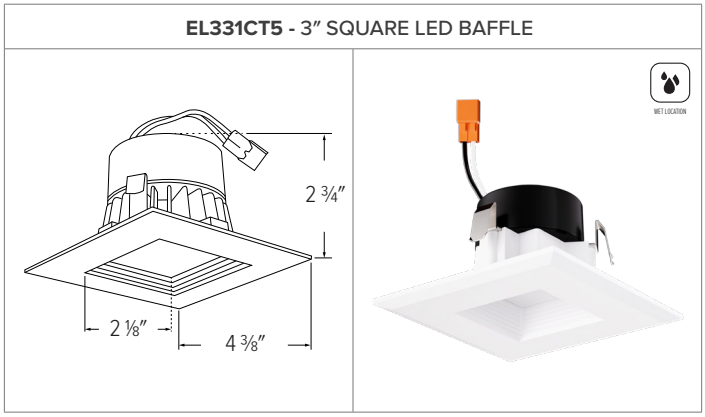




W (All White)

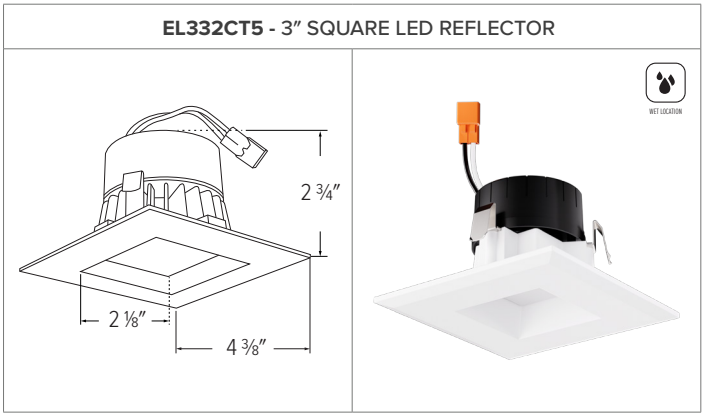
DEDICATED LED SQUARE INSERTS

EL331CT5 - 3″ SQUARE LED BAFFLE



W (All White)

EL332CT5 - 3″ SQUARE LED REFLECTOR





W (All White) **BB** (All Black)

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TECHNICAL DETAILS

Optics: Frosted polycarbonate lens for even light diffusion and reduced glare. LED Array technology for high performance without pixelation.

Housing: Single wall IC rated for direct contact with insulation, for use in IC or non-IC conditions. IC rated for direct contact with insulation, for use in IC or non-IC conditions. New Construction Housings adjust to accommodate ½″ to 1 ½″ ceiling thickness. Remodel Housings work in ceilings up to 1 ¼″ thick.
Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.
Metal housing for greater heat dissipation. Stamped galvanized steel frame.

New Construction Hanger Bars: Pre-installed Swivel hanger bars with True Nail facilitate easy installation in regular lumber, engineered lumber, and laminated beams. Suitable for T-grid and drop ceiling applications. Hanger bars span up to 24″ and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while aligning the housings with the joists.

Fire Rating: EL39FICA 2 Hour Fire rated housings must be used with ceiling constructions: L505, L511, L536, L538, L541, L556, L577, and M500.

LED Insert: Diecast aluminum body with integrated heatsink, driver and LED array. Heat fins allow superior thermal dissipation for longer life. High-quality powder coat finish resists rust and cracking.

Junction Box: Positioned to accommodate straight conduit runs. New construction: 4 Romex; 6 1/2″ knockouts and 1 3/8″ knockout. Remodel: 4 Romex; 6 1/2″ knockouts and 1 double knockout (1/2″ and 3/4″). Fire can: 4 Romex; 3 1/2″ knockout; 1 3/8″ knockout; 1 3/4″ knockout.

Electrical: Dimmable driver is rated for 120V AC Input. High Efficiency driver with a power factor > 0.9. Quick start-up time < 0.75 seconds.

Listings: Fixture is UL Listed for damp (gimbal insert) and wet (fixed inserts). UL rated for direct contact with insulation and combustible materials, and approved for feed-through wiring. It meets ASTM E-283 airtight standards, Fire Rated housing is also sound-rated, RoHS compliant, Energy Star® certified, and Title 24 JA8-2019. UL Listed 1598 luminaire.

Emergency Backup: Optional 90 minute battery pack available with test indicator switch.

Lumen Maintenance: 50,000 hours (L70), tested to LM80 standards. Superior thermal management with integrated heat sink. Instant On to Full Brightness with no visible LED pixilation.

Dimmability: Compatible with 120V Triac and ELV dimmers. Smooth dimming down to 10% with no hot spots or flicker. For full compatibility, refer to ELCO's Dimmer Compatibility List.

Warranty: ELCO Products are built to last, ensuring long-term reliability and performance. Warrants products will be free from defects in materials and workmanship for a period of 5 years.

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DIMMER COMPATIBILITY CHART

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
120V only for EL311, EL312, EL313, EL331, and EL332 Series			
Cooper	Decorator Dimmer, 120V 60Hz, 300W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing	DLC03P	10% - 100%
Leviton	SureSlide, 120V AC 60Hz, 600W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing.	6631 / 6633	10% - 100%
	600W Incandescent/Halogen,150W LED/CFL, single-pole, 3-way	1A1505/IC1605	10% - 100%
Lutron	Skylark Contour, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way Indoor Application, Residential/Commercial Application	CT-603PG / CT-600PR	10% - 100%
	Diva, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential/Commercial Application	DV-600PR / DV603PG	10% - 100%
	Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way	DVW-603PGH / DVCL-153P	10% - 100%
	Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way	MACL-153M / TGCL-153P	10% - 100%
	Skylark, Single Pole 600W Incandescent/Halogen, Slide-to-Off Dimmer	S-600PR / S-2-LH	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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