ELCO Lighting

Project Name:
Fixture Type:
Date:

4" LED HOUSINGS AND LED INSERTS

9W - 18W, 2700K-5000K, Up to 1000 lm, 120/277V or 277V

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



FEATURES

- IC Airtight for direct contact with insulation, for use in IC and non-IC applications
- 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 - 18W
Lumens	600 lm - 1500 lm
Voltage	120/277V or 277V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
Damp Location	UL Listed (Adjustable)
Wet Location	UL Listed (Fixed)
Dimming	Triac/ELV
Beam Angle	28° 38° 40° 60° 80° 90°
Finishes	All White, All Black, All Bronze

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PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one) Example: EL490ICA

4" DEDICATED LED HOUSING

ITEM	STYLE	ICA	OPTIONAL EMERGENCY BATTERY BACKUP
EL4			
	Standard New Construction/Remodel Housings		
	90[1] New Construction (5 ½" Height)	**ICA** IC Airtight	**(Blank)** No Battery Backup
	90R Remodel (5 ½" Height)		**-7**[2] 277V to 120V Step-Down Transformer
			-EM5[3] 90 min., 25W MAX
	[1] Housing adjusts in frame to accommodate up to 1 ½" ceiling thickness		[2] Available with New Construction only [3] Accessible from below the ceiling
	Shallow New Construction/Remodel Housings		
	92 Shallow New Construction (3 ½" Height))	**ICA** IC Airtight	**(Blank)** No Battery Backup
	92R Shallow Remodel (3 ½" Height)		**-7**[2] 277V to 120V Step-Down Transformer
			[2] Available with New Construction only
	2-Hr Fire Rated Housings		
	8F LED New Construction (6 ⅞" Height)	**ICA** IC Airtight	**(Blank)** No Battery Backup
	92F Shallow New Construction (4 13⁄16" Height)	**ICAS**[1] IC Airtight Shallow	
		[1] Available with Shallow New Construction only	
	New Construction R60 & Chicago Plenum Housing		
	90AJ LED New Construction (5 ½" Height)	**ICA**	**(Blank)** No Battery Backup
			-EM7 90 min., 14W MAX

4" DEDICATED LED HOUSING FOR 2-HR. FIRE RATED CEILINGS

ITEM	STYLE	ICA	OPTIONAL EMERGENCY BATTERY BACKUP
EJ			
	New Construction/Remodel Housings for 2-Hr. Fire Rated Ceilings		
	B4 New Construction (4 ½" Height)	**ICA** IC Airtight	**(Blank)** No Battery Backup
	B4R Remodel (5 ½" Height)		**-EM5**[1] 90 min., 25W MAX
	B44 Junction Box (3 ½" Height)		**-EM**[2] 90 min., 25W MAX
			[1] Available with New Construction only [2] Available with Remodel only

4" Non-IC New Construction Junction Box	
KEM-LDJB1	Junction Box with Emergency Driver

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PRODUCT NUMBER BUILDER

STEP 2. Specify LED Insert part number (Select one) Example: EL455CT5W



Style: **Round LED Reflector Insert**

Item: **EL455CT5W** (All White)



Style: **Round Sunset Dimming LED Reflector**

Item: **EL415SDW** (All White)
EL415SDBZ (All Bronze)
Automatically dims from 3000K to 1800K on standard dimmer



Style: **Round Reflector LED**

Item: **EL41527W** (All White)
EL41530W (All White)
EL41535W (All White)
EL41535BZ (All Bronze)
EL41540W (All White)
EL41550W (All White)
EL415CT5W (All White)
EL415CT5BZ (All Bronze)
EL415CT5BB (All Black)



Style: **High Lumen LED Round Reflector**

Item: **EL41727C** (Chrome/White)
EL41735H (Haze/White)
EL41740C (Chrome/White)
EL41740H (Haze/White)
EL41740W (All White)
EL417CT5H (Haze/White)
EL417CT5W (All White)



Style: **Round LED Reflector with 5-CCT & Lumen Switch**

Item: **EL427CT5W** (All White)
EL427CT5BB (All Black)
EL427CT5HW (All Black)



Style: **0-10V Round LED Reflector with 5-CCT & Lumen Switch**

EL475CT5DW (All White)
EL475CT5DBB (All Black)
EL475CT5DH (All Haze)
EL475CT5DHW (Haze/White)



Style: **Round Sunset Dimming LED Baffle**

Item: **EL410SDW** (All White)
Automatically dims from 3000K to 1800K on standard dimmer



Style: **Round LED Baffle**

Item: **EL41027W** (All White)
EL41030W (All White)
EL41035W (All White)
EL41040W (All White)
EL410CT5W (All White)
EL410CT5BB (All Black)
EL412CT5W (All White)



Style: **Round 5-CCT LED Shallow Baffle Insert**

Item: **EL460CT5W** (All White)



Style: **Round LED Reflector**

Item: **EL431CT5W** (All White)



Style: **Round LED Baffle**

Item: **EL439CT5W** (All White)



Style: **Round LED Baffle Gimbal**

Item: **EL414CT5W** (All White)
EL414CT5B (All Black)
EL414CT5BZ (All Bronze)
25° tilt



Style: **Round LED Gimbal**

Item: **EL416CT5W** (All White)
EL416CT5B (All Black)
EL416CT5BZ (All Bronze)
EL416HLCT5W (All White)
25° tilt



Style: **Round LED Floating Adjustable Eyeball**

Item: **EL456CT5W** (All White)
EL456CT5B (All Black)
90° tilt - 360° rotation



Style: **Square LED Reflector Insert with 5-CCT Switch**

Item: **EL434CT5W** (All White)
EL434CT5BB (All Black)

Compatible trims for Shallow Housings

Compatible trims for EJB housings

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PRODUCT NUMBER BUILDER

STEP 2. Specify LED Insert part number (Select one) Example: EL487CT5W



Style: **0-10V Square LED Reflector Insert with 5-CCT and 3 Lumen Switch**

Item: **EL487CT5W** (All White)
EL487CT5BB (All Black)



Style: **Square LED Gimbal**

Item: **EL446CT5W** (All White)
EL446CT5B (All Black)
EL446CT5BZ (All Bronze)
EL446HLCT5W (All White)
65° tilt



Style: **Square LED Baffle**

Item: **EL441CT5W** (All White)
EL441CT5BZ (All Bronze)



Style: **Square LED Reflector**

Item: **EL442CT5W** (All White)
EL442CT5BB (All Black)
EL442CT5BZ (All Bronze)



Style: **Round LED Adjustable Pull Down**

Item: **EL49727W** (All White)
EL49730W (All White)
65° tilt



Square LED Adjustable Pull Down

EL44727W (All White)
EL44730W (All White)
65° tilt



Style: **Optional Interchangeable Lenses for LED Adjustable Pull Down**

Item: **EP710C** (20° Beam Angle)
EP711C (36° Beam Angle)
EP712C (60° Beam Angle)
EL447 & EL497 Series - 1rst Generation Only



Style: **Round LED Adjustable Pull Down (2nd Generation)**

Item: **EL49727W2** (All White)
EL49727B2 (All Black)
EL49727BZ2 (All Bronze)
EL49730W2 (All White)
EL49730B2 (All Black)
EL49730BZ2 (All Bronze)
EL497SDBZ2 (All Bronze)
EL497CT5W2 (All White)
EL497CT5B2 (All White)
80° tilt
Includes 28°, 40° & 60° lenses.



Square LED Adjustable Pull Down (2nd Generation)

EL44727W2 (All White)
EL44727B2 (All Black)
EL44730W2 (All White)
80° tilt
Includes 28°, 40° & 60° lenses.

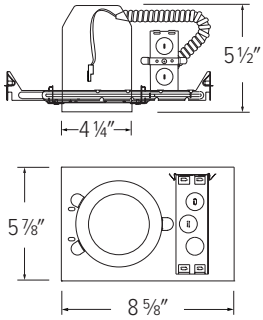
Compatible trims for Shallow Housings Compatible trims for EJB housings

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PRODUCT DIMENSIONS

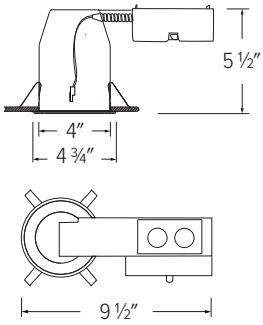
DEDICATED LED HOUSINGS

EL490ICA
NEW CONSTRUCTION IC AIRTIGHT HOUSING



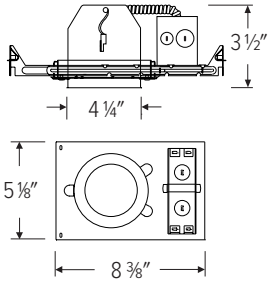


EL490RICA
REMODEL IC AIRTIGHT HOUSING



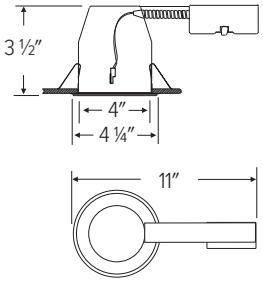


EL492ICA
IC AIRTIGHT SHALLOW NEW CONSTRUCTION HOUSING



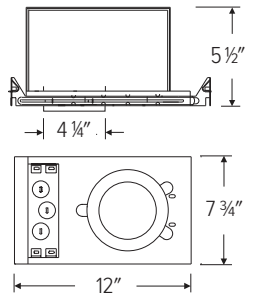


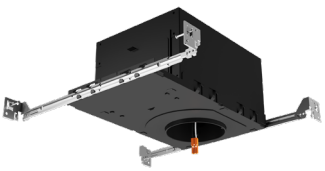
EL492RICA
IC AIRTIGHT SHALLOW REMODEL HOUSING



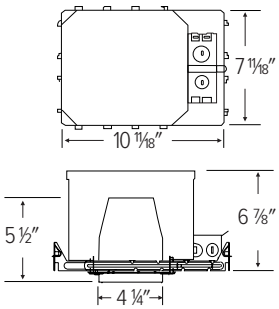


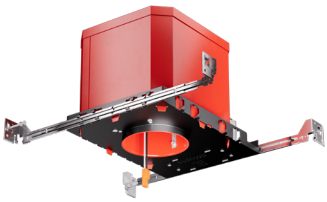
EL490AJICA
IC AIRTIGHT NEW CONSTRUCTION AND CHICAGO PLENUM HOUSING



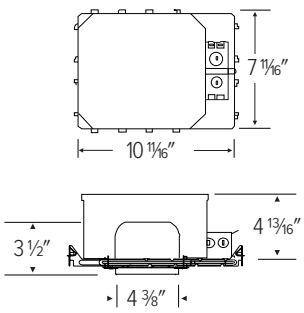


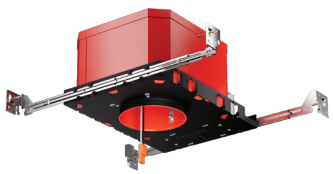
EL48FICA
NEW CONSTRUCTION 2-HOUR FIRE RATED IC AIRTIGHT HOUSING



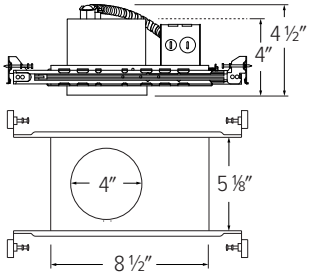


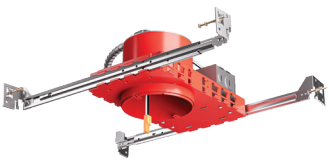
EL492FICAS
SHALLOW FIRE RATED ICA NEW CONSTRUCTION HOUSING





EJB4ICA
NEW CONSTRUCTION IC AIRTIGHT HOUSING
FOR 2-HOUR FIRE RATED CEILINGS



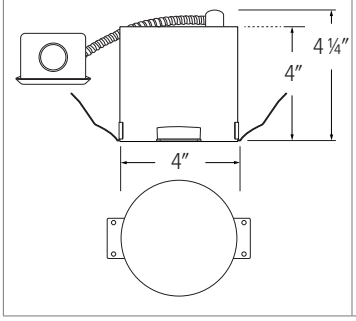


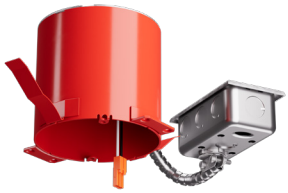
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PRODUCT DIMENSIONS

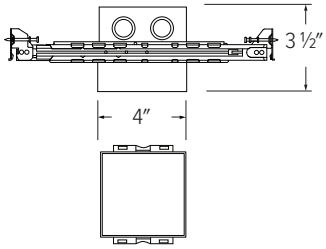
DEDICATED LED HOUSINGS

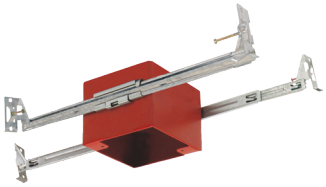
EJB4RICA
REMODEL IC AIRTIGHT HOUSING FOR 2-HOUR FIRE RATED CEILINGS





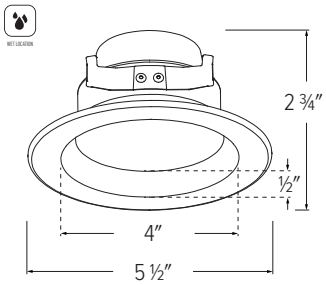
EJB44ICA
SQUARE IC AIRTIGHT JUNCTION BOX
FOR 2-HOUR FIRE RATED CEILINGS





DEDICATED LED ROUND INSERTS

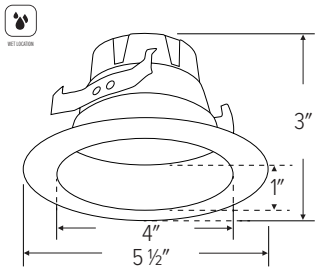
EL455CT5 - 4″ ROUND 5-CCT SWITCH REFLECTOR INSERT





WW (All White)

EL415SD - 4″ ROUND SUNSET DIMMING REFLECTOR INSERT

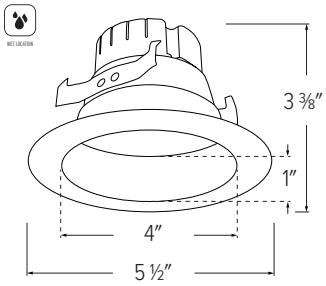


WW (All White)



BZ (All Bronze)

EL415 - 4″ ROUND REFLECTOR INSERT



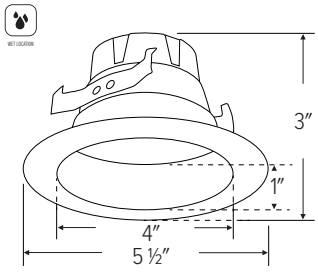


WW (All White)



BZ (All Bronze)

EL417 - 4″ ROUND HIGH LUMEN REFLECTOR INSERT



WW (All White)

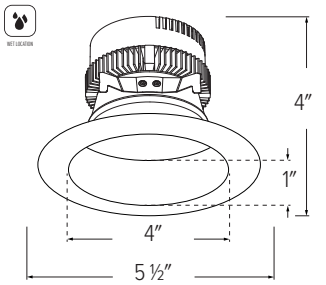


C (Chrome/White)



H (Haze/White)

EL427CT5 - 4″ ROUND REFLECTOR WITH 5-CCT & LUMEN SWITCH





W (All White)

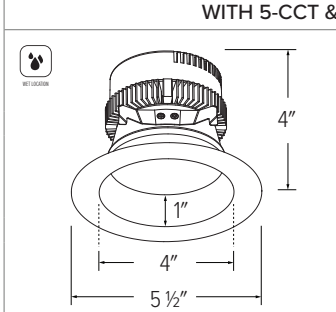


BB (All Black)



HW (Haze/White)

EL475CT5 - 4″ ROUND 0-10V INSERT
WITH 5-CCT & 3-LUMEN SWITCH





W (All White)



HW (Haze/White)



BB (All Black)



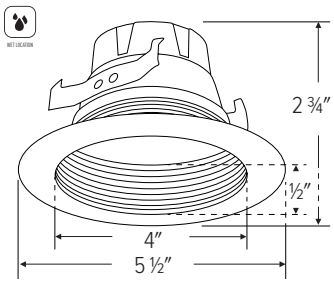
H (All Haze)

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PRODUCT DIMENSIONS

DEDICATED LED ROUND INSERTS

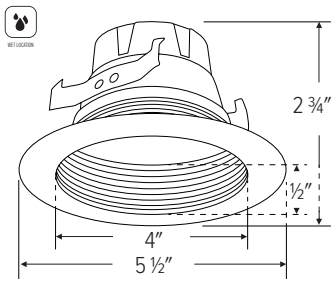
EL410 - 4″ ROUND BAFFLE





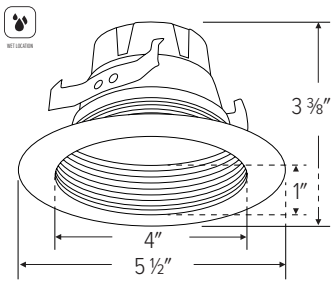
WW (All White)

EL410SD - 4″ ROUND SUNSET DIMMING BAFFLE



WW (All White)

EL410CT5 - 4″ ROUND 5-CCT BAFFLE



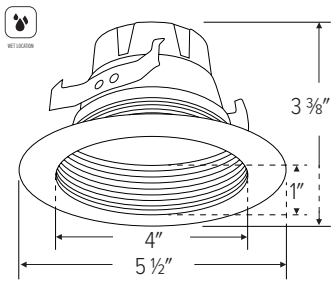


WW (All White)



BB (All Black)

EL412CT5 - 4″ ROUND 5-CCT HIGH LUMEN BAFFLE

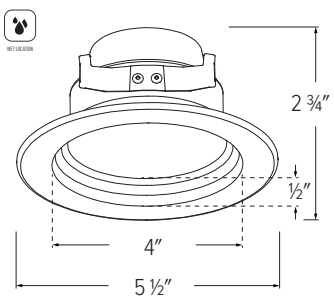


WW (All White)



BB (All Black)

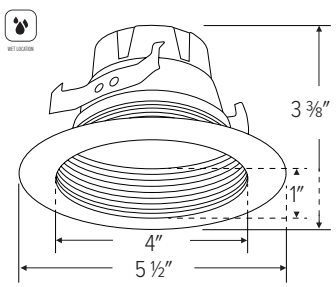
EL460CT5 - 4″ ROUND 5-CCT SHALLOW BAFFLE INSERT





W (All White)

EL412CT5 - 4″ ROUND 5-CCT HIGH LUMEN BAFFLE

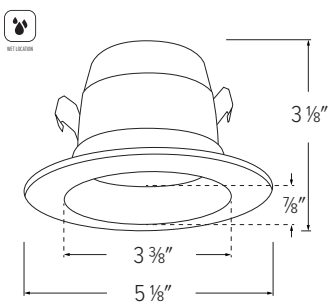


WW (All White)



BB (All Black)

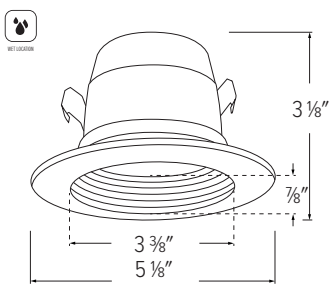
EL431CT5 - 4″ ROUND REFLECTOR





W (All White)

EL439CT5 - 4″ ROUND 5-CCT HIGH LUMEN BAFFLE





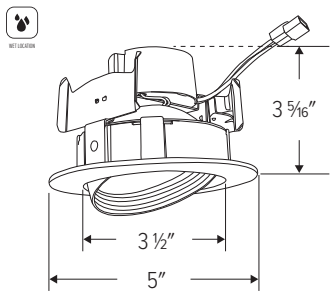
W (All White)

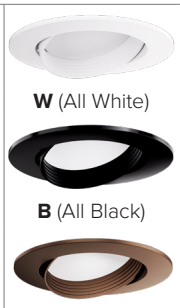
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PRODUCT DIMENSIONS

DEDICATED LED ROUND INSERTS

EL414CT5 - 4″ ROUND BAFFLE GIMBAL



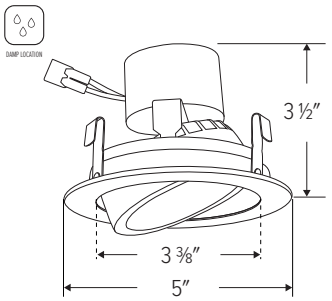


W (All White)

B (All Black)

BZ (All Bronze)

EL416CT5 - 4″ ROUND ADJUSTABLE GIMBAL



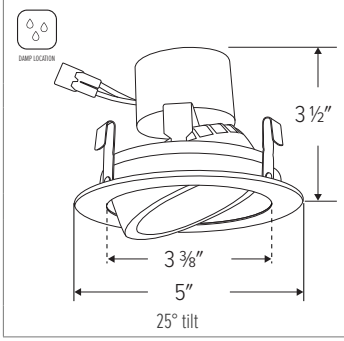


W (All White)

B (All Black)

BZ (All Bronze)

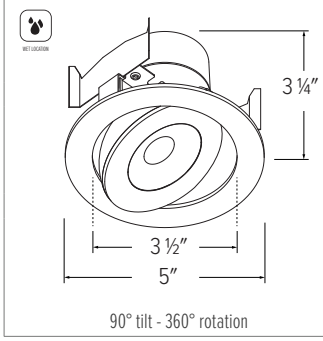
EL416HLCT5 - 4″ ROUND ADJUSTABLE HIGH LUMEN GIMBAL





W (All White)

EL456CT5 - 4″ FLOATING ADJUSTABLE EYEBALL

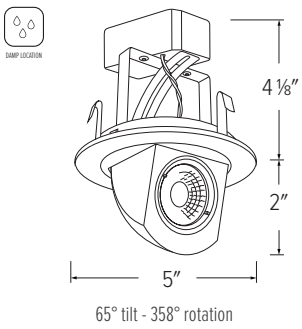




W (All White)

B (All Black)

EL497 - 4″ ROUND ADJUSTABLE PULL DOWN



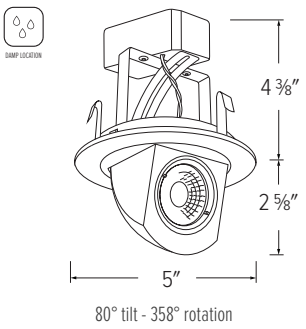


W (All White)

B (All Black)

BZ (All Bronze)

EL497 - 4″ ROUND ADJUSTABLE PULL DOWN (2nd GENERATION)





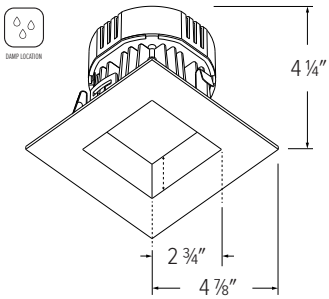
W (All White)

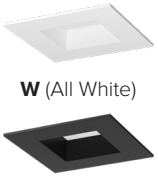
B (All Black)

BZ (All Bronze)

DEDICATED LED SQUARE INSERTS

EL434CT5 - 4″ SQUARE REFLECTOR WITH 5-CCT SWITCH

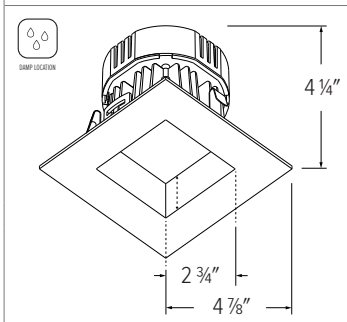




W (All White)

BB (All Black)

EL487CT5 - 4″ SQUARE 0-10V REFLECTOR WITH 5-CCT & 3 LUMEN SWITCH





W (All White)

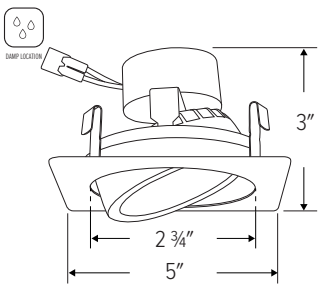
BB (All Black)

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PRODUCT DIMENSIONS

DEDICATED LED SQUARE INSERTS

EL446CT5 - 4″ SQUARE GIMBAL



25° tilt - 358° rotation



W (All White)

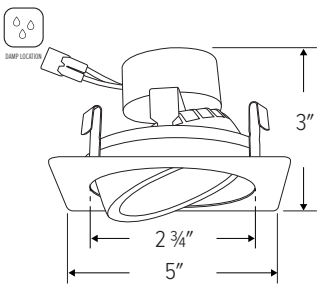


B (All Black)



BZ (All Bronze)

EL446HLCT5 - 4″ HIGH LUMEN SQUARE GIMBAL

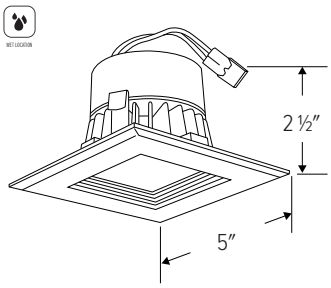


25° tilt - 358° rotation



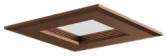
W (All White)

EL441CT5 - 4″ SQUARE BAFFLE



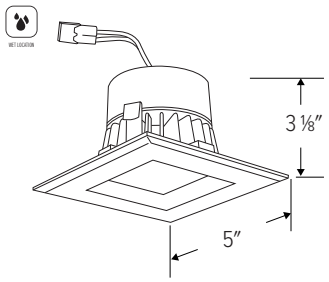


W (All White)



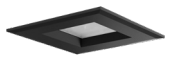
BZ (All Bronze)

EL442CT5 - 4″ SQUARE REFLECTOR

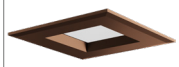




W (All White)

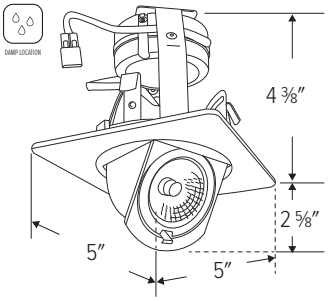


BB (All Black)



BZ (All Bronze)

EL447 - 4″ SQUARE ADJUSTABLE PULL DOWN (2nd GENERATION)



80° tilt - 358° rotation



W (All White)



B (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
4" LED Inserts for EL141 Series, EL410SD, EL415SD, EL41230, EL417 Series, EL495 Series, EL415CT5, EL427CT5, EL460CT5, EL475CT5, and ELJ42230			
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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