ELCO Lighting

Project name:

Fixture type:

Date:

4" Round LED Reflector Inserts with 5-CCT Switch

This unique LED recessed downlight gives you the options you are looking for in one fixture. The manual switch located on the driver allows you to choose between 2700K, 3000K, 3500K, 4000K or 5000K. This is the perfect light for bedrooms, kitchens, closets and generally all living spaces. Our energy saving fixture gives you all of these options at the flip of a switch.

Features

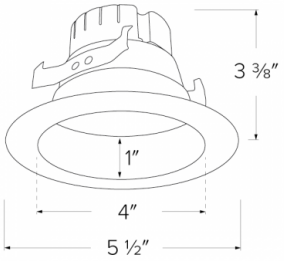
- Switch from a 2700K to 5000K by using manual switch on driver
- Soft white lens provides smooth lumen distribution
- Deep set LED trim reduces glare while providing area illumination
- Medium base to quick connect adapter included (PSA30)
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Life span of 50,000 hours L70

Specifications

Wattage	12W
Lumens	850 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
Dimmable	Triac/ELV
Lamp Type	LED
CRI	90+
Wet Location	Listed

Options

White **Bronze** **All Black**



Technical Details

Optics: Soft white lens provides smooth lumen distribution

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 EL490ICA, EL490RICA, EL492ICA, EL492RICA, EL49FICA. 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 90+ 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. 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
EL415CT5W	LED	850 lm	2700K, 3000K, 3500K, 4000K, 5000K	12W	120V	Triac/ELV	All White
EL415CT5BZ	LED	850 lm	2700K, 3000K, 3500K, 4000K, 5000K	12W	120V	Triac/ELV	All Bronze
EL415CT5BB	LED	850 lm	2700K, 3000K, 3500K, 4000K, 5000K	12W	120V	Triac/ELV	All Black

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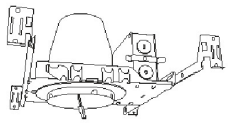
Compatible Products

For use with **4" LED inserts**

4" Dedicated LED ICA Housings



4" ICA Housing
New Construction

CAT NO.	SPECIFICATIONS
EL490ICA	
EL490ICA-7	277V
EL490ICA-EM5	Emergency Battery Back-up (90 minutes)

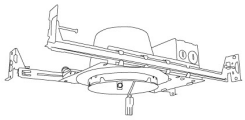
4" ICA Housing
Remodel

CAT NO.	SPECIFICATIONS
EL490RICA	5 ½" Height

4" ICA 2-Hour Fire Rated Housing
New Construction

CAT NO.	SPECIFICATIONS
EL48FICA	7 ½" Height - Sound Rated

4" Shallow Dedicated LED IC Housings



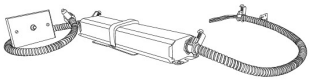
4" LED Shallow Housing
New Construction

CAT NO.	SPECIFICATIONS
EL492ICA	14W MAX. 3 ½" Height
EL492ICA-7	277V

4" LED Shallow Housing
Remodel

CAT NO.	SPECIFICATIONS
EL492RICA	14W MAX. 3 ½" Height

4" Accessories

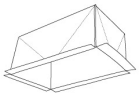


Emergency Battery Backup

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

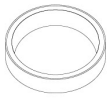
Fire Cover

CAT NO.	SPECIFICATIONS
FIRECVR	9 ¾" H x 17" O.D.



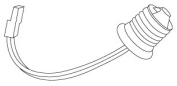
Fire Enclosure

CAT NO.	SPECIFICATIONS
FIREENCL	20 ⅜" L x 14 ⅜" W
FIREENCL-S	Shallow, 16" L x 14 ⅜" W



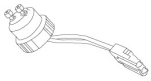
Mica Fire Tape

CAT NO.	SPECIFICATIONS
FIRETAPE	¾" W x 16' L



Socket Adapter

CAT NO.	SPECIFICATIONS
PSA30	Medium Base Connector



Socket Adapter

CAT NO.	SPECIFICATIONS
PSA31	GU10 to ideal terminal connector

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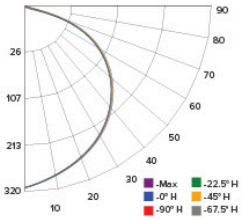
Photometric Report

4″ Round LED Reflector Inserts with 5-CCT Switch

PHOTOMETRIC REPORT

Product #: EL415CT5 @3000K
Wattage / Lumens: 10.2W / 778.7 lm
Luminaire LPW: 76.3 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	311
5	308
15	293
25	267
35	228
45	179
55	126
65	71
75	21
85	2
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	19.5	10.1′
6′	8.65	15.2′
8′	4.87	20.3′
10′	3.11	25.3′

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	239.7	30.8
0-40°	388.3	49.9
0-60°	658.5	84.6
0-90°	778.5	100

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Dimmer Compatibility Chart
4″ LED Inserts

For EL141 Series, EL410SD, EL415SD, EL41230, EL417 Series, EL495 Series, EL415CT5, EL427CT5, EL460CT5, EL475CT5, and ELJ42230

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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