

# 4" Round Reflector Insert with 5-CCT Switch & 3-Lumen Switch

This unique LED recessed downlight gives you the options you are looking for in one fixture. Switch to desired Color Temperature - 2700K, 3000K, 3500K, 4000K or 5000K - and Lumen Output - 1000 lm (12.5W), 1250 lm (16W), 1500 lm (18W) - by using manual switch located on module. Our energy saving fixture gives you all of these options at the flip of a switch.



## Features

- Manual switch to choose desired Color Temperature and Lumen Output
- Soft white lens provides smooth lumen distribution and eliminates LED pixelation
- Deep set LED trim reduces glare while providing even illumination
- Includes Medium Base Adapter (PSA30) for retrofitting existing E26 Base housings
- 80° Standard beam angle
- 90+ CRI for extremely accurate color rendering
- ETL listed
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Life span of 50,000 hours L70
- Patent Pending

## Specifications

<b>Wattage</b>	12.5W, 16W, 18W
<b>Lumens</b>	1000, 1250, 1500 lm
<b>Voltage</b>	120V
<b>Color Temp.</b>	2700K, 3000K, 3500K, 4000K, 5000K
<b>Dimmable</b>	Triac/ELV
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	80°
<b>Wet Location</b>	Listed

## Options



All White

All Black

Haze with White Trim

## Technical Details

**Optics:** Soft white lens provides smooth lumen distribution. 80° Standard beam angle.

**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:** Quick connect for use with ELCO housings EL48FICA, EL490ICA, EL490RICA, EL490AJICA, EL492ICA, EL492RICA. Can be used in IC and Non-IC Housings.

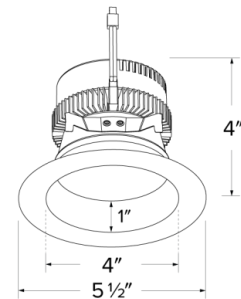
**Electrical:** Driver connects to 120V power supply. High Efficiency driver with a power factor > 0.9. Start time of less than .75 seconds.

**LED Technology:** Extremely accurate color rendering with 90+ CRI. Lumen 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. Industry leading dimming. Dims smoothly with no hot spots or flickering.

**Listings:** cUL Listed for wet location. Title 24 JA8-2019 Compliant

## Dimensions



## Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
EL427CT5W	LED	1000	2700K,	12.5W,	120V	Triac/ELV	80°	All White
		1250	3000K,	16W,				
		1500 lm	3500K,	18				
EL427CT5BB	LED	1000	2700K,	12.5W,	120V	Triac/ELV	80°	All Black
		1250	3000K,	16W,				
		1500 lm	3500K,	18				
EL427CT5HW	LED	1000	2700K,	12.5W,	120V	Triac/ELV	80°	Haze with White Ring
		1250	3000K,	16W,				
		1500 lm	3500K,	18				

**Product Number Builder** Example: **EL427CT5W**

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ELCO 4" LED Inserts

Color Temp.

Finish

**EL427**

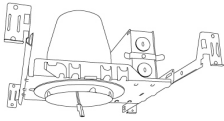
**CT5** 2700K-5000K

**W** All White  
**BB** All Black  
**HW** Haze with White Trim

# Compatible Products

For use with 4" LED inserts

## 4" Dedicated LED ICA Housings



4" ICA Housing  
New Construction



4" ICA Housing  
Remodel



2-Hour Fire Rated ICA Housing  
New Construction

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

CAT NO.	SPECIFICATIONS
EL490RICA	5 1/2" Height

CAT NO.	SPECIFICATIONS
EL48FICA	6 7/8" Height - 120/277V

## 4" Accessories



Emergency Battery Backup



Fire Cover



Fire Enclosure

CAT NO.	SPECIFICATIONS
KEM-LD5	25W MAX, 120/277V

CAT NO.	SPECIFICATIONS
FIRECVR	9 3/4" H x 17" O.D.

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



Socket Adapter



Socket Adapter

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

CAT NO.	SPECIFICATIONS
PSA30	Medium Base Connector

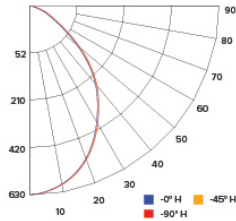
CAT NO.	SPECIFICATIONS
PSA31	GU10 to ideal terminal connector

# Photometric Report

## 4" Round Reflector Insert with 5-CCT Switch

### PHOTOMETRIC REPORT

Product #: EL427CT5-12.5W  
 Wattage / Lumens: 11.9 W / 1033.8 lm  
 Luminaire LPW: 86.8 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	624
5	622
15	587
25	513
35	397
45	252
55	127
65	45
75	5
85	0
90	0

### ILLUMINANCE AT A DISTANCE

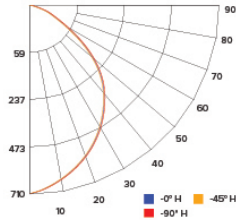
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	39.0	6.6'
6'	17.3	10.0'
8'	9.74	13.3'
10'	6.24	16.6'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	447.5	43.4
0-40°	681.4	66.1
0-60°	973.9	94.5
0-90°	1,028.1	99.7

### PHOTOMETRIC REPORT

Product #: EL427CT5-16W  
 Wattage / Lumens: 15.4 W / 1169 lm  
 Luminaire LPW: 75.9 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	705
5	703
15	663
25	580
35	448
45	285
55	143
65	51
75	6
85	0
90	0

### ILLUMINANCE AT A DISTANCE

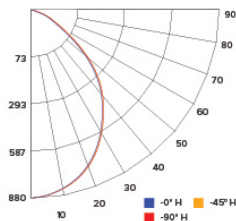
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	44.0	6.6'
6'	19.6	10.0'
8'	11.0	13.3'
10'	7.05	16.6'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	505.7	43.4
0-40°	770.0	66.1
0-60°	1,100.8	94.4
0-90°	1,162.2	99.7

### PHOTOMETRIC REPORT

Product #: EL427CT5-18W  
 Wattage / Lumens: 17.8 W / 1454.5 lm  
 Luminaire LPW: 81.7 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	876
5	873
15	824
25	721
35	558
45	355
55	179
65	63
75	8
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	54.7	6.6'
6'	24.3	10.0'
8'	13.7	13.3'
10'	8.76	16.6'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	628.5	43.3
0-40°	957.0	66
0-60°	1,368.4	94.3
0-90°	1,445.4	99.6



**ELCO Lighting**

# 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%
	Radora, 120V AC, 50/60Hz, 600W Incandescent/Halogen, Single Pole, Indoor Application	RRD-6ND	10% - 100%
	Radora 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 reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



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