

# RL427

## 4" LED RETROFIT DIE-CAST ALUMINUM LENSED REFLECTOR

**SAME DAY**  
SHIPPING AVAILABLE



### CERTIFICATIONS

- cULus
- RoHS
- IECC

**CRI** 90+

**COLOR QUALITY** 3-Step MacAdam Ellipses

**LUMEN OUTPUT** 650 Lumens

**LUMEN PER WATT** Up to 60

**CCT** 27K, 30K, 35K, 40K

**OPTIC** 45° Cut-Off

**WARRANTY** 5 Years

- New York state
- UL/cUL Listed for Wet
- UL/cUL Listed for Damp Location

- California Title 24
- Washington state
- LM79/LM80

### UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The RL427 is the most efficient, and advanced LED retrofit modules from ELITE Lighting. It's unique design delivers color quality above a 90 CRI rating. The color matching has never been so close, with a binning as low as 3 MacAdams ellipses. The RL427 LED retrofit meet all new mandatory California Title 24 requirements.

The Elite RL427 LED Module has been engineered for new constructions to meet Title-24's 'No Edison Socket' mandate. The Elite LED Module system works in our dedicated (LD4IC-AT, LD4-AT, LD4R-AT) housings and our existing 4" incandescent housings (or standard B4IC-AT, B4-AT and B4R-AT) but is also suitable for use in most 4" recessed downlight housings in the market.

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	50/60Hz	<20%	>0.9	10W(+/-5%)	650

### DURABILITY

Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Our LED driver is rated for 50 to 60 Hz at 120V input, and produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.

### DIMMABLE

The Elite LED Module is dimmable down to 15% of initial light output with compatible dimmers. Consult factory for complete list of compatible dimming systems.

### OUR WORD

The Elite LED lighting system carries a five-year carefree warranty for parts and components. (Labor not included)

### FEATURES

- Over 650 usable lumens are directed from the luminaire to the work surface
- Greater light output than a 18W CFL or a 50W BR20 while consuming less than 10W of power
- Rated at 90+ CRI to meet California Title-24 strict compliance standards
- Life tested to ensure light output up to 50,000 hours of operation to L70
- Glare reducing cut-off angle of 55 degrees
- High performance optic hides LED chip image but still delivers an even beam of light
- Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light
- Tested to LM-79 and LM-80 standards
- UL listed for safety

LED

4"

4 INCH LED RETROFIT MODULE

# RL427

## 4" LED RETROFIT DIE-CAST ALUMINUM LENSED REFLECTOR



Elite's innovative LED retrofit downlight modules deliver the brightest, most beautiful and most energy efficient ambient lighting to replace any lamp type on your existing fixture.

Example: **RL427-650L-DIMTR-120-30K-90-CL-WH**

TYPE	650L SERIES	CCT		CRI	FINISH	OPTION
RL427 (Reflector)	650L-DIMTR-120	27K	40K	90+	CL-WH	GU24SA GU24 SOCKET ADAPTER
		30K				
		35K				

### Ordering Guide for Compatible Housing

IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel
LD4IC-AT	LD4-AT	LD4RIC-AT	LD4R-AT
HLD4IC-AT	HLD4-AT		HLD4R-AT
B4IC-AT	B4-AT		B4R-AT

### \*RECOMMENDED DIMMERS FOR ELITE RL427 LED SYSTEM

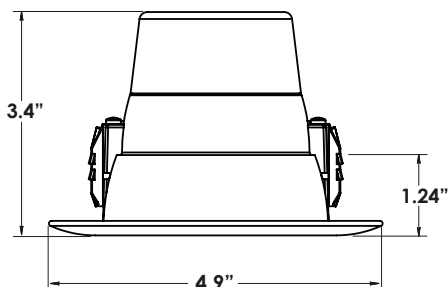
#### LUTRON DIMMERS (DIMTR)

Diva DVCL-153P  
Skylark CTCL-153P  
Nova N-600  
Nova NT-600  
Skylark S-600  
Ariadni AY-600P  
Nova NTLV-600  
Nova NLV-600

Maestro MRF2-6ND  
Nova NTCLV-600  
Diva DVELV-300P  
Skylark SELV-300P  
Nova NELV-450

### INSTALLATION

- Socket adapter removes from module, allowing installation to be quick and easy. Simply screw in the adapter and plug in the module. Turning off the entire module is not required.
- Utilizes industry standard friction blades, installs in most 4" incandescent down lights. Insert friction blades into can and press trim to ceiling.
- You MUST seal all gaps between the ceiling and fixture with weatherproof silicone sealant. This deters moisture and water from damaging fixtures and other mechanical ceiling elements.



### RL427-650L-DIMTR-120-30K-90-CL-WH

INPUT WATTS: **10.4**

LUMENS: **767**

CRI: **85+**

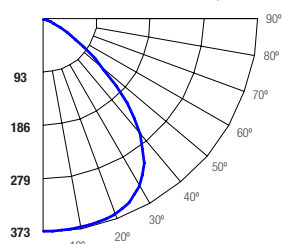
EFFICACY: **74**

CCT: **3000K**

TEST NO.: **EL111742**

SPACING CRITERIA: **1.32**

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	138.67	20.80	18.10
0-30	298.82	44.70	38.90
0-40	485.92	72.80	63.30
0-60	734.63	110.00	95.70
0-80	767.32	114.90	100.00
0-90	767.42	114.90	100.00

#### Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	16293	15475	16104
55	10054	8241	8261
65	4582	3288	2372
75	119	787	95
85	0	0	50

#### Lumens Per Zone

Zone	Lumens
0-10	35.34
10-20	103.33
20-30	160.15
30-40	187.10
40-50	159.55
50-60	89.16
60-70	28.56
70-80	4.13
80-90	0.10

#### Candela Tabulation

0	1	2	3	4	5	6	7	8	9	10
0	372.45	370.21	365.72	343.71	291.92	210.35	105.29	35.36	0.56	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
ROOM CAVITY RATIO	0	137	137	137	137	134	134	134	134	128	128	128	122	122	122	117	117	117	115			
	1	128	124	121	117	125	122	118	116	117	114	112	113	111	109	109	107	105	103			
	2	119	112	106	101	117	110	104	100	106	101	97	103	99	95	99	96	93	91			
	3	111	101	93	87	108	99	92	87	96	90	85	93	88	84	90	86	83	80			
	4	103	91	83	77	100	90	82	76	87	80	75	85	79	74	82	77	73	71			
	5	95	83	74	68	93	82	73	67	79	72	67	77	71	66	75	70	65	63			
	6	89	75	67	60	87	74	66	60	73	65	59	71	64	59	69	63	59	56			
	7	83	69	60	54	81	68	60	54	67	59	53	65	58	53	64	57	53	51			
	8	77	63	55	49	76	63	54	49	61	54	48	60	53	48	59	52	48	46			
	9	72	59	50	44	71	58	50	44	57	49	44	55	49	44	54	48	44	42			
10	68	54	46	40	67	54	46	40	53	45	40	52	45	40	51	44	40	38				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance