

RL435

4" LED RETROFIT DIE-CAST ALUMINUM LENSED BAFFLE



CRI

90+

COLOR QUALITY

3-Step MacAdam Ellipses

LUMEN OUTPUT

750 Lumens

LUMEN PER WATT

Up to 60

CCT

30K - 16K

OPTIC

45° Cut-Off

WARRANTY

5 Years

CERTIFICATIONS

- cULus
- RoHS
- IECC

- 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 RL435 is the newest, 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 RL435 LED retrofit meet all new mandatory California Title 24 requirements.

The Elite RL435 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%)	750

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.

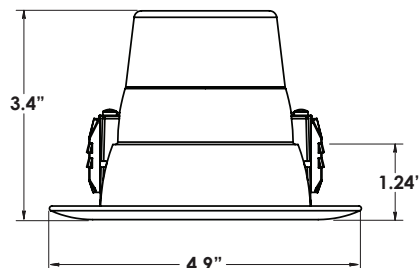
OUR WORD

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

FEATURES

- Over 750 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

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.

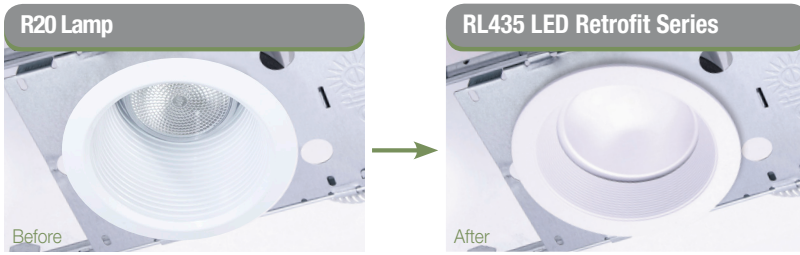
LED

4"

4 INCH LED RETROFIT MODULE

RL435

4" LED RETROFIT DIE-CAST ALUMINUM LENSED BAFFLE



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: **RL435-750L-DIMTR-120-30K-90-W-WH**

TYPE	750L SERIES	CCT	CRI	FINISH	OPTION
RL435 (Baffle)	750L-DIMTR-120	30K-16K	90	W-WH	GU24SA GU24 SOCKET ADAPTER

LED
4"

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 RL435 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 NovaT NTLV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450
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RL435-750L-DIMTR-120-30K-16K-SD-90-W-WH

INPUT WATTS: 10.8

LUMENS: 782

CRI: 90

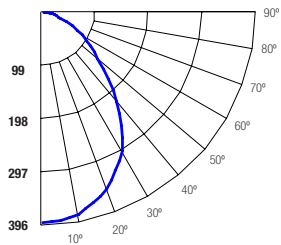
EFFICACY: 72

CCT: 3000K

TEST NO.: EL-071614

SPACING CRITERIA: 1.22

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	141.90	18.20	18.20
0-30	293.21	37.50	37.50
0-40	457.92	58.60	58.60
0-60	690.39	88.40	88.30
0-80	773.21	99.00	98.90
0-90	781.66	100.10	100.0

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	31599	32890	33313
55	24411	23238	21614
65	18219	16580	14530
75	13301	12402	11664
85	14123	12681	346

Lumens Per Zone

Zone	Lumens
0-10	37.28
10-20	104.61
20-30	151.32
30-40	164.71
40-50	139.05
50-60	93.43
60-70	55.29
70-80	27.53
80-90	8.45

Candela Tabulation

0	1	2	3	4	5	6	7	8	9
0	395.82	392.96	370.30	328.12	260.30	177.71	111.36	61.24	27.38
10	8.45	9.79	0.99						

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
	1	111	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
	2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76			
	3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	71	68	66			
	4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
	5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
	6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46			
	7	70	58	50	44	69	57	49	44	56	49	44	54	48	43	53	47	43	41			
	8	66	53	45	40	64	53	45	40	51	44	40	50	44	39	49	43	39	37			
	9	62	49	42	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34			
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance