

RL635

6" LED RETROFIT BAFFLE LIGHTING MODULE



CERTIFICATIONS

- cULus
- RoHS
- IECC
- New York state

CRI 90+

COLOR QUALITY 3-Step MacAdam Ellipses

LUMEN OUTPUT 1000 Lumens

LUMEN PER WATT Up to 64

CCT 30K-16K

OPTIC 45° Cut-Off

WARRANTY 5 Years

- 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 RL635 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 RL635 LED retrofits meet all new mandatory California Title 24 requirements.

The Elite RL635 LED Module has been engineered for new constructions to meet Title-24's "No Edison Socket" mandate. The Elite RL635 LED system works in our dedicated (LD6IC-AT, LD6RIC-AT) housings and our existing 6" Incandescent housings (B6IC-AT, EZ6IC-AT, B26IC-AT, B26RIC-AT, B6RIC-AT) but is also suitable for most 6" Incandescent recessed downlight housings in the market.

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	50/60Hz	<20%	>0.9	15W(+/-5%)	1000

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.

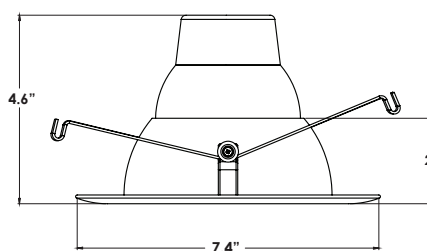
OUR WORD

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

FEATURES

- Over 1000 usable lumens are directed from the luminaire to the work surface
- Greater light output than a 26W CFL or a 65W BR30 while consuming less than 15W 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



Ez connector to use with special High efficacy housing or Edison base adapter for retrofitting into existing 6" incandescent housings.

Utilizes industry standard V springs, installs in most 5" incandescent down lights. Insert V springs 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

6"

6 INCH LED RETROFIT MODULE

RL635

6" LED RETROFIT BAFFLE LIGHTING MODULE

R30 Lamp



Before

RL635 LED Retrofit



After

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: **RL635-1000L-DIMTR-120-30K-16K-SD-90-W-WH**

TYPE	1000L SERIES	CCT	SD	CRI	FINISH	OPTION
RL635 (Baffle)	<input checked="" type="checkbox"/> 1000L-DIMTR-120	<input checked="" type="checkbox"/> 30K-16K	<input checked="" type="checkbox"/> SD	<input checked="" type="checkbox"/> 90+	<input checked="" type="checkbox"/> W-WH	<input checked="" type="checkbox"/> GU24SA GU24 SOCKET ADAPTER

Ordering Guide for Compatible Housing

IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel
LD6IC	LD6-AT	LD6RIC-AT	LD6R-AT
HLD6IC-AT	HLD6-AT	HLD6RIC-AT	HLD6R-AT
LD600IC-AT	B6-AT	EZ6IC-AT	B6R-AT
EZ6IC-AT		B6RIC-AT	
B6IC-AT			
B6IC-100-AT			
B600-IC			

*RECOMMENDED DIMMERS FOR ELITE RL635 LED SYSTEM

LUTRON DIMMERS	LUTRON CONTROL SYSTEM
INCANDESCENT	MAGNETIC LOW VOLTAGE
Diva DVCL-153P Skylark CTCL-153P Nova N-600 NovaT NT-600 Skylark S-600 Ariadni AY-600P Nova NTLV-600 Nova NLV-600	NovaNLV-600 NovaT NTLV-600 Diva DVLV-600P Leviton Dimmer 6613-PL
Maestro MRF2-6ND NovaT NTLV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450 Skylark S-1000 Decora 06633-766 Decora 6674 Toggle Dimmer TGI06-1LW	

RL635-1000L-DIMTR-120-30K-16K-SD-90-W-WH

INPUT WATTS: **15.6**

LUMENS: **1154**

CRI: **85+**

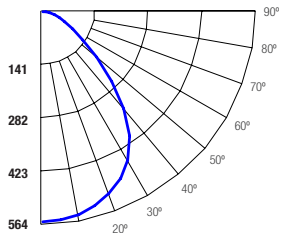
EFFICACY: **74**

CCT: **3000K**

TEST NO.: **EL124816**

SPACING CRITERIA: **1.24**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	35.2 fc	7.8 ft
8.0	8.81 fc	15.6 ft
12.0	3.92 fc	23.4 ft
16.0	2.2 fc	31.2 ft
20.0	1.41 fc	39 ft
24.0	0.98 fc	46.8 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	205.24	N.A.	17.80
0-30	431.96	N.A.	37.40
0-40	684.45	N.A.	59.30
0-60	1027.26	N.A.	89.00
0-80	1141.2	N.A.	98.90
0-90	1153.66	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20488	20727	20412
55	12566	13243	15298
65	8438	8893	11025
75	6778	6748	7578
85	5203	6812	7811

Lumens Per Zone

Zone	Lumens
0-10	53.30
10-20	151.94
20-30	226.72
30-40	252.49
40-50	208.87
50-60	133.95
60-70	76.17
70-80	37.76
80-90	12.46

Candela Tabulation

0	1	2	3	4	5	6	7	8	9
563.94	561.18	539.54	494.54	408.54	264.51	131.60	65.11	32.03	8.28
0	5	15	25	35	45	55	65	75	85
0.34									

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	107	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	87	83	80	84	81	78	76			
	3	94	85	78	73	92	84	77	72	81	75	71	78	73	69	76	72	68	66			
	4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60	58			
	5	81	70	62	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52			
	6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46			
	7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			
	8	66	53	45	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38			
	9	62	49	42	36	60	49	41	36	48	41	36	47	40	36	46	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