

CERTIFICATIONS

- Energy Star PENDING
- UL US LISTED
- ETL US Intertek
- California Title 24
- FOR WET LOCATION
- PROUDLY ASSEMBLED in AMERICA

- cULus/ETL
- RoHS
- IECC
- New York state
- Made in USA
- UL/cUL Listed for Wet
- UL/cUL Listed for Damp Location
- California Title 24
- Washington state
- LM79/LM80

- CRI** 90+
- COLOR QUALITY** 3-Step MacAdam Ellipses
- LUMEN OUTPUT** up to 1200 Lumens
- LUMEN PER WATT** Up to 64
- CCT** 30K
- OPTIC** 45° Cut-Off
- WARRANTY** 5 Years

UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The REL637 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-step MacAdams ellipses. The REL637 LED retrofits meet all new mandatory California Title 24 requirements.

The Elite REL637 LED Module has been engineered for new constructions to meet Title-24's "No Edison Socket" mandate. The Elite REL637 LED system works in our dedicated (LD6IC-AT, LD6RIC-AT, LD5IC-AT, and LD5RIC-AT) housings and our existing 6" Incandescent housings (B6IC-AT, EZ6IC-AT, B26IC-AT, B26RIC-AT, B6RIC-AT) but is also suitable for using in most 6" & 5" 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%)	950
120	50/60Hz	<20%	>0.9	17W(+/-5%)	1100

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

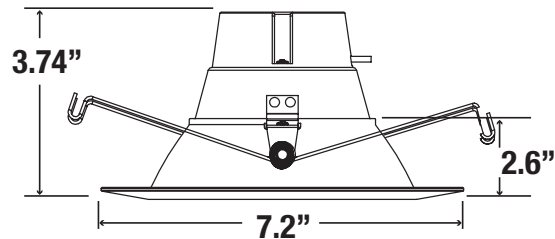
The Elite LED Module is dimmable down to 15% of initial light output with compatible dimmers. Consult factory for complete list of compatible dimming systems.

OUR WORD

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

FEATURES

- Over 1200 usable lumens are directed from the luminaire to the work surface
- Greater light output than a 26W CFL or a 65W BR30
- 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 6" incandescent down lights.
- Insert V springs into can and press trim to ceiling. Friction blades included as well.

LED

6" 5"

6 INCH ECONOMY LED RETROFIT MODULE



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: **REL637-1200L-DIMTR-120-30K-90-W-WH**

TYPE	LUMEN SERIES	CCT	CRI	FINISH	OPTION	TRIM OPTIONS
REL637 (Baffle)	<input type="checkbox"/> 950L-DIMTR-120 <input type="checkbox"/> 1200L-DIMTR-120	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K	<input type="checkbox"/> 90+	<input type="checkbox"/> W-WH	<input type="checkbox"/> GU24SA GU24 SOCKET ADAPTER	BT (Baffle Trim) <input type="checkbox"/> REL637-BT-SN-SN RT (Reflector Trim) <input type="checkbox"/> REL637-RT-CL-WH <input type="checkbox"/> REL637-RT-SHZ-WH

AVAILABLE COLOR INSERTS FOR REL637 - 6" RETROFIT

BAFFLE



REL637-BT-SN-SN

REFLECTORS



REL637-RT-CL-WH



REL637-RT-SHZ-WH

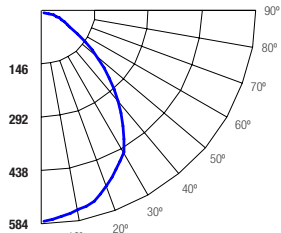
***RECOMMENDED DIMMERS FOR ELITE REL637 LED SYSTEM**

LUTRON DIMMERS		LUTRON CONTROL SYSTEM		LUTRON CONTROL SYSTEM	
INCANDESCENT		MAGNETIC LOW VOLTAGE		DIMTR	
Diva DVCL-153P	Maestro MRF2-6ND	NovaNLV-600	NovaNLV-600	Homeworks HW/LP-RPM-4A-120	
Skylark CTCL-153P	NovaT NTELV-600	NovaT NTLV-600	NovaT NTLV-600	PHPM-PA	
Nova N-600	Diva DVELV-300P	Diva DVLV-600P	Diva DVLV-600P	Graphic Eye QS	
NovaT NT-600	Skylark SELV-300P	Leviton Dimmer 6613-PL	Leviton Dimmer 6613-PL	Radio RA2 RRD-10ND	
Skylark S-600	Nova NELV-450			PHPM-PA	
Ariadni AY-600P	Skylark S-1000			ELV1-1000	
Nova NTLV-600	Decora 06633-766				
Nova NLV-600	Decorra 6674				
	Toggle Dimmer TGI06-1LW				

REL637-950L-DIMTR-120-27K-90-W-WH

INPUT WATTS: **14.5** LUMENS: **1133** CRI: **90** EFFICACY: **78** CCT: **2700K** TEST NO.: **EL110217**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	209.25	18.50	18.50
0-30	436.86	38.50	38.60
0-40	690.45	60.90	60.90
0-60	1033.98	91.20	91.20
0-80	1129.5	99.70	99.70
0-90	1133.17	100.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20086	20400	22337
55	13545	12558	14043
65	8332	7825	7999
75	5642	5940	6257
85	0	0	4795

Lumens Per Zone

Zone	Lumens
0-10	54.57
10-20	154.68
20-30	227.61
30-40	253.59
40-50	211.77
50-60	131.76
60-70	65.39
70-80	30.13
80-90	3.67

Candela Tabulation

0	5	15	25	35	45	55	65	75	85	90	
0	583.60	5	571.58	15	547.39	25	483.56	35	387.54	45	259.33
55	141.85	65	64.29	75	26.66	85	0.00	90	0.00		

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

Cone of Light		
4.0	36.5 fc	7.8 ft
8.0	9.12 fc	15.6 ft
12.0	4.05 fc	23.3 ft
16.0	2.28 fc	31.1 ft
20.0	1.46 fc	38.9 ft
24.0	1.01 fc	46.7 ft

ROOM CAVITY RATIO	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%	50%	30%	10%	0%				
0		119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1		111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88							
2		103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77							
3		95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68							
4		89	78	70	65	86	77	70	64	74	68	63	72	67	62	70	65	62	60							
5		82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53							
6		76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47							
7		71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43							
8		66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39							
9		62	50	43	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35							
10		59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32							

RC - Ceiling Cavity Reflectance RW - Wall Reflectance