



CERTIFICATIONS

- 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 Ellipse
- LUMEN OUTPUT** 950 Lumens
- LUMEN PER WATT** Up to 64
- CCT** 27K/30K/35K/40K/50K
- OPTIC** 45° Cut-Off
- WARRANTY** 5 Years

LED
6"
5"

6 INCH ECONOMY LED RETROFIT MODULE

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 Ellipse. 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

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

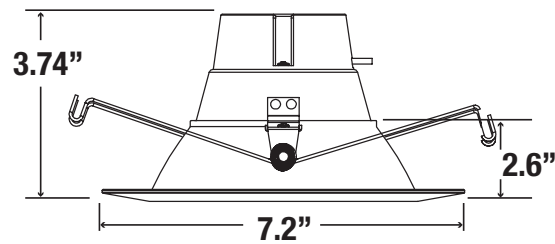
The Elite LED Module is dimmable down to 15% of initial light output with compatible dimmers. Consult factory for complete list of compatible dimming systems.

OUR WORD

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

FEATURES

- Over 950 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.



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: **REL637-950L-DIMTR-120-27K/30K/35K/40K/50K-90-W-WH**

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

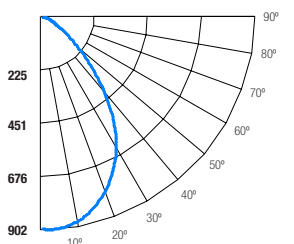
***RECOMMENDED DIMMERS FOR ELITE REL637 LED SYSTEM**

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

REL637-950L-DIMTR-120-40K-90-W-WH TEST NO.: **06131933**

INPUT WATTS: **14.7737** LUMENS: **1239** CRI: **90** EFFICACY: **84** CCT: **4000K** SPACING CRITERIA: **1.06**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	313.50	25.30	25.30
0-30	626.36	50.60	50.60
0-40	923.94	74.60	74.60
0-60	1195.83	96.60	96.60
0-80	1237.37	99.90	99.90
0-90	1237.43	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	1048	1204	1412
55	453	526	642
65	235	269	310
75	66	102	154
85	1	1	1

Lumens Per Zone

Zone	Lumens
0-10	84.11
10-20	229.40
20-30	312.85
30-40	297.58
40-50	189.46
50-60	82.42
60-70	32.58
70-80	8.96
80-90	0.06

Candela Tabulation

0	5	15	25	35	45	55	65	75	85	90
0	899.09									
5	883.25									
15	797.31									
25	654.03									
35	434.49									
45	204.31									
55	71.65									
65	27.38									
75	4.69									
85	0.02									
90	0.02									

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	80%				70%				50%				30%				10%				0%			
		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	100	100	100			
2	1	112	109	106	104	110	107	104	102	103	103	101	99	99	97	96	95	94	93	91	91	91			
3	2	105	99	95	91	103	98	93	90	94	91	88	91	88	87	88	86	86	84	82	82	82			
3	3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	74	74	74			
4	4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	69	67	67	67	67			
5	5	86	77	70	64	85	76	69	64	74	68	63	72	67	63	70	66	62	61	61	61	61			
6	6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55	55			
7	7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50	50	50	50			
8	8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46	46	46	46			
9	9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43	43	43	43			
10	10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40	40	40	40			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance