



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 1200 Lumens

LUMEN PER WATT Up to 64

CCT 27K/30K/35K/40K/50K

OPTIC 45° Cut-Off

WARRANTY 5 Years

LED

6" 5"

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
120	50/60Hz	<20%	>0.9	18W(+/-5%)	1200

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

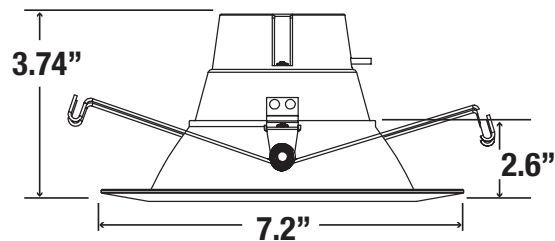
The Elite LED Module is dimmable down to 15% of initial light output with compatible dimmers. Consult factory for complete list of compatible dimming systems.

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.

6 INCH ECONOMY LED RETROFIT MODULE

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

TEST NO.: EL07031913

INPUT WATTS: 15

LUMENS: 1269

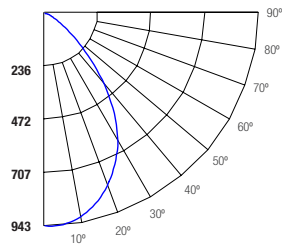
CRI: 90

EFFICACY: 84

CCT: 5000K

SPACING CRITERIA: 1.06

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	327.36	25.80	25.80
0-30	651.72	51.30	51.30
0-40	956.05	75.30	75.30
0-60	1228.04	96.80	96.80
0-80	1268.2	99.90	99.90
0-90	1268.22	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	1852	1672	1479
55	858	746	640
65	405	362	316
75	202	144	87
85	1	2	1

Lumens Per Zone

Zone	Lumens
0-10	88.01
10-20	239.35
20-30	324.36
30-40	304.33
40-50	189.96
50-60	82.03
60-70	32.13
70-80	8.03
80-90	0.02

Candela Tabulation

θ	0	5	15	25	35	45	55	65	75	85	90
0	941.53	937.38	869.49	735.08	533.13	283.59	106.54	37.03	11.30	0.02	0.03

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	235	2.9	2.9
4	58.8	5.8	5.8
6	26.2	8.7	8.7
8	14.7	11.6	11.5
10	9.42	14.4	14.4
12	6.54	17.3	17.3

(FT.) Distance to Plane (FC) Initial Footcandle at Midpt (FT.) Beam Vert. Spread (FT.) Beam Horiz. Spread

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

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	112	109	106	104	110	107	104	102	103	101	99	99	99	97	96	96	94	93	91	
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82	
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	70	66	63	61	61	
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	65	61	57	56	56	
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47	47	
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43	43	
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40	40	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED

6" 5"

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