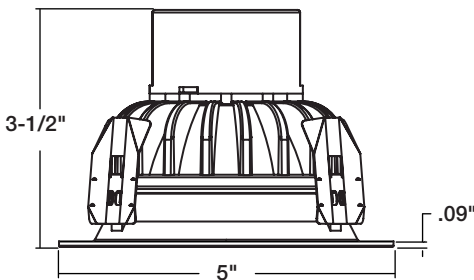




DIMENSION



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 downlights. Insert friction blades into can and press trim to ceiling.

CERTIFICATIONS

- RoHS
- IECC
- New York state
- Made in USA
- California Title 24
- Washington state
- LM79/LM80

UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The Elite **LED Module** has been engineered for new construction where Title-24's "No Edison Socket" mandate has been initiated. A dedicated housing installs the same as any other Elite Lighting product and features our adjustable, lockable and tiltable nail bars. The **LED Module** can also be installed into most 4" incandescent downlights by using our unique Edison adapter.

Over 900 usable lumens are directed from the luminaire to the work surface. Lighting is smooth and comfortable, all while using 75% less energy than the equivalent 50W BR20 and 25% less than the common 13W CFL. Plus the Elite **LED Module** features 50,000hrs of life, and California Title-24 compliance.

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120 / 277 (LD4 Only)	50/60Hz	<20%	>0.9	10W (+/-5%)	650
120 / 277 (LD4 Only)	50/60Hz	<20%	>0.9	14W (+/-5%)	900

FEATURES

Greater light output than a 13W CFL or a 50W BR20 while consuming less than 10W of power.

OPTICS

The Elite-Engineered LED Module system is much more than just a simple LED retrofit. The Elite LED system is a highly engineered work of design and optical science which produces over 900 lumens! Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution. The reflector also offers the benefits of a smooth integrated light with glare reduction at a 55 degree cut-off, which minimizes brightness. Optic combinations available in Baffle, Reflector, and Wall Wash options to fit any lighting application.

DURABILITY

Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Without proper heat management, any LED luminaire will fail. Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Life tests have shown the Elite **LED Module** light output will be maintained at 70% of initial at 50,000 hours of operation. Our superior design allows for installation in construction that requires the Elite Air-Shut™ system. Our LED driver is rated for 50 to 60 Hz at 120V input, produces less than 10% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.

REPEATABLE

Repeatability means quality. From our chip selection process, to our driver, to the thermal management, the Elite LED Module is engineered for quality. All Elite LED luminaires are rated at 85+ and 90+ CRI and 27K, 30K, 35K, 40K and 50K, as rated and tested to LM-79 and LM-80 standards by a certified laboratory, and meets the California Title-24 compliance standards. Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light.

DIMMABLE

The Elite **LED Module** system is fully dimmable down to 10% of initial light output with a Triac dimmer when ordered with the following options (DIMTR-120). Dimmer control must have same AC input rating as the dimmable power supply driver it connects to. Other electronic low voltage dimmers may be compatible, but have not been tested by Elite LED Lighting.

INTERCHANGEABLE

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 - 120V Only) but is also suitable for use in most 4" recessed downlight housing.

ADAPTABLE

All Elite **LED Module** luminaires are shipped standard with our custom engineered Edison adapter. This adapter assembly allows the luminaires to install directly into existing Elite 4" downlight housings and most other 4" downlight housings.

OUR WORD

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

LED
4"

4 INCH LED RETROFIT MODULE

RL407

4" LED RETROFIT DIE-CAST ALUMINUM LENSED REFLECTOR



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: **RL407-650L-DIMTR-120-30K-90-W-WH**

Lumens may vary based on the trim colors. See IES files for output lumens of each.

TYPE	650L SERIES	900L SERIES	CCT	CRI	FINISH	OPTION
RL407 (Reflector)	<input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-277 (Non Dimmable)	<input type="checkbox"/> 900L-DIMTR-120 <input type="checkbox"/> 900L-277 (Non Dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K* *(CRI 85+ Only)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CL-WH <input type="checkbox"/> W-WH <input type="checkbox"/> BZ-BZ <input type="checkbox"/> SN-SN <input type="checkbox"/> RG-WH <input type="checkbox"/> CL-BK <input type="checkbox"/> CL-SN <input type="checkbox"/> MB-WH <input type="checkbox"/> CL-CH <input type="checkbox"/> CP-CP <input type="checkbox"/> RG-PB <input type="checkbox"/> MB-BK <input type="checkbox"/> SN-WH <input type="checkbox"/> SHZ-WH	<input 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			
LD4IC-AT	LD4-AT	LD4RIC-AT	LD4R-AT			
HLD4IC-AT	HLD4-AT		HLD4R-AT			
B4IC-AT	B4-AT		B4R-AT			

*RECOMMENDED DIMMERS FOR ELITE -RL407

LUTRON DIMMERS		LEVITON DIMMERS	
DIMTR		DIMTR	
Diva DVCL-153P	Maestro MRF2-6ND	IllumaTech IPE04	
Skylark CTCL-153P	NovaT NTELV-600	Sureslide 6633	
Nova N-600	Diva DVELV-300P	Acenti	
NovaT NT-600	Skylark SELV-300P	Vizia+	
Skylark S-600	Nova NELV-450		
Ariadni AY-600P			
Nova NTLV-600			
Nova NLV-600			

RL407-650L-DIMTR-120-85-40K-W-WH

INPUT WATTS: **10.6**

LUMENS: **695**

CRI: **85+**

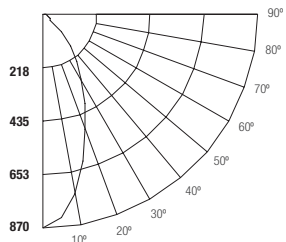
EFFICACY: **65.6**

CCT: **4000K**

TEST NO.: **EL-0913120**

SPACING CRITERIA: **0.78**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	234.67	34.00	33.80
0-30	408.60	59.30	58.80
0-40	549.57	79.70	79.10
0-60	660.41	95.80	95.00
0-80	691.31	100.30	99.50
0-90	695.07	100.80	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	20567	21410	17964
55	9198	9411	5638
65	7423	5697	5629
75	6077	5941	5465
85	6723	6290	173

Lumens Per Zone

Zone	Lumens
0-10	73.70
10-20	160.97
20-30	173.93
30-40	140.97
40-50	80.54
50-60	30.30
60-70	19.16
70-80	11.74
80-90	3.76

Candela Tabulation

θ	0	870
0-10	73.70	5
10-20	160.97	15
20-30	173.93	25
30-40	140.97	35
40-50	80.54	45
50-60	30.30	55
60-70	19.16	65
70-80	11.74	75
80-90	3.76	85
		90

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%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101					
1	113	110	107	104	111	108	105	103	104	104	102	100	100	98	97	96	95	94	92					
2	107	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84	84					
3	100	93	87	83	98	92	86	82	89	84	81	86	82	79	84	81	78	76	76					
4	95	86	80	75	93	85	79	74	82	77	73	80	76	73	78	75	72	70	70					
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	64	64					
6	84	74	68	63	83	73	67	63	72	66	62	70	65	62	69	65	61	60	60					
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55	55					
8	76	65	58	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52	52					
9	72	61	55	50	71	61	54	50	60	54	50	59	54	50	58	53	50	48	48					
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45	45					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL407

4" LED RETROFIT DIE-CAST ALUMINUM LENSED REFLECTOR

RL407- (A) - (B) - (C) - (D) -CL-WH



CL-WH

Chrome- White

RL407- (A) - (B) - (C) - (D) -W-WH



W-WH

White-White

RL407- (A) - (B) - (C) - (D) -BZ-BZ



BZ-BZ

Bronze-Bronze

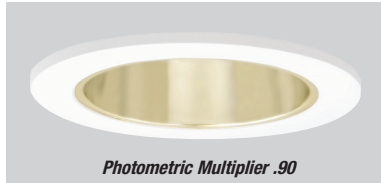
RL407- (A) - (B) - (C) - (D) -SN-SN



SN-SN

Satin Nickel- Satin Nickel

RL407- (A) - (B) - (C) - (D) -RG-WH



RG-WH

Gold- White

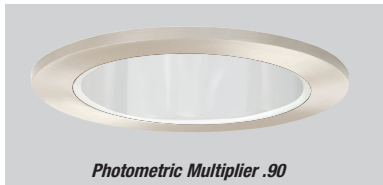
RL407- (A) - (B) - (C) - (D) -CL-BK



CL-BK

Chrome- Black

RL407- (A) - (B) - (C) - (D) -CL-SN



CL-SN

Clear-Satin Nickel

RL407- (A) - (B) - (C) - (D) -MB-WH



MB-WH

Black-White

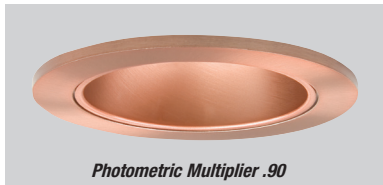
RL407- (A) - (B) - (C) - (D) -CL-CH



CL-CH

Clear-Chrome

RL407- (A) - (B) - (C) - (D) -CP-CP



CP-CP

Copper-Copper

RL407- (A) - (B) - (C) - (D) -RG-PB



RG-PB

Gold-Polish Brass

RL407- (A) - (B) - (C) - (D) -MB-BK



MB-BK

Black-Black

RL407- (A) - (B) - (C) - (D) -SN-WH



SN-WH

Satin Nickel-White

RL407- (A) - (B) - (C) - (D) -SHZ-WH



SHZ-WH

Satin Haze-White



(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI
<input type="checkbox"/> 650L	<input type="checkbox"/> DIMTR-120 <input type="checkbox"/> 277 (non dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+
LED (Retrofit) Die-cast Aluminum Lensed Reflector			
See ordering chart for compatible housing on page 354, 355, 356 & 357			



LED

4"

4 INCH LED RETROFIT MODULE