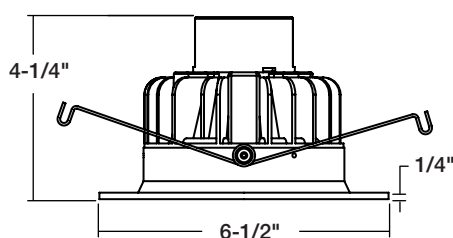
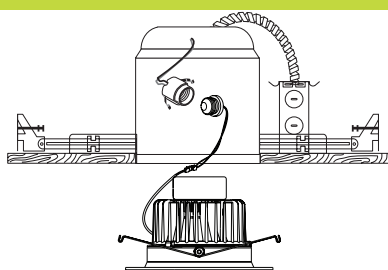




### DIMENSION



### 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 V or torsion springs, installs in most 5" incandescent downlights. Insert torsion springs into can and press trim to ceiling. Friction blades are included for alternate mounting.



### 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 5" 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 65W BR30 & 75W BR30 and 25% less than the common 18W & 26W CFL. Plus the Elite **LED Module** features 72,000hrs of life, and California Title-24 compliance.

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120 / 277 (LD5 Only)	50/60Hz	<20%	>0.9	12W (+/-5%)	650
120 / 277 (LD5 Only)	50/60Hz	<20%	>0.9	16W (+/-5%)	900

### FEATURES

Greater light output than an 18W & 26W CFL or a 65W BR30 & 75W BR30 while consuming less than 12W and 16W of power.

### OPTICS

The Elite RL507 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 72,000 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). The Elite LED 16W driver is dimmable down to 10% of initial light output by using a 0-10V dimmer and specified with the following options (DIM10-MVOLT).

### INTERCHANGEABLE

The Elite 900 Lumen **LED Module** system works in our dedicated (LD5IC-AT, LD5RIC-AT, LD5-AT, LD5R-AT) housings and our existing 5" incandescent housings (or standard B5, B5R, B5IC-AT and B5RIC-AT - 120V Only) but is also suitable for use in most 5" recessed downlight housing. The Elite 900 Lumen **LED Module** system works in our Non-IC dedicated (LD5-AT, LD5R-AT - 120V to 277V) housing & our existing 5" incandescent Non-IC housing (B5, B5R).

### 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 5" downlight housings and most other 5" downlight housings.

### OUR WORD

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

LED

5"

5 INCH LED RETROFIT MODULE

# RL507

## 5" LED RETROFIT DIE-CAST ALUMINUM LENSED REFLECTOR

### R30 Lamp



Before

### RL507 LED Retrofit Series



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: **RL507-650L-DIMTR-120-30K-90-W-WH**

Lumens may vary based on the trim type and color. See IES files for actual output lumens.

TYPE	650L SERIES	900L SERIES	CCT	CRI	FINISH	OPTION
RL507 (Reflector)	<input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-277 (Non Dimmable)	<input type="checkbox"/> 900L-DIMTR-120 <input type="checkbox"/> 900L-DIM10-MVOLT <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"/> MB-WH <input type="checkbox"/> CL-CH <input type="checkbox"/> CP-CP <input type="checkbox"/> MB-BK <input type="checkbox"/> CL-BK <input type="checkbox"/> CL-SN <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
LD5IC-AT	LD5-AT	LD5RIC-AT	LD5R-AT
HLD5IC-AT	HLD5-AT	HLD5RIC-AT	HLD5R-AT
B5IC-AT	B5-AT	B5RIC-AT	B5R-AT
B25IC-AT		B25RIC-AT	

### RECOMMENDED DIMMERS FOR ELITE - RL507

LUTRON DIMMERS				LEVITON DIMMERS		
DIMTR		DIM10	DIMELV	DIMTR	DIM10	DIMELV
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	Nova NFTV NovaT NTFTV Diva DDTV Diva DVSCCTV	ILLumaTech IPE04 AWSMT-7DW AWSMG-7DW AMRMG-7DW Leviton Centura ILLumaTech IP7 Series		

# 5" LED RETROFIT MODULE - PHOTOMETRY

## RL507-900L-DIM10-MVOLT-85-40K-W-WH

INPUT WATTS: **16.2**

LUMENS: **916**

CRI: **85+**

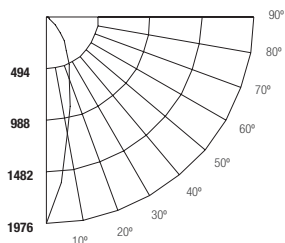
EFFICACY: **56.5**

CCT: **4000K**

TEST NO.: **EL-0913110**

SPACING CRITERIA: **0.56**

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	406.46	45.00	44.40
0-30	626.02	69.40	68.30
0-40	789.05	87.40	86.10
0-60	882.34	97.80	96.30
0-80	911.88	101.00	99.60
0-90	915.93	101.50	100.00

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13344	8983	4800
55	3789	3902	3570
65	3679	3473	3492
75	3717	3402	3364
85	4523	3906	243

### Lumens Per Zone

Zone	Lumens
0-10	149.58
10-20	256.88
20-30	219.55
30-40	163.03
40-50	68.13
50-60	25.17
60-70	18.02
70-80	11.52
80-90	4.05

### Candela Tabulation

0	0
0	1976
5	1594
15	883
25	500
35	286
45	115
55	26
65	19
75	11
85	4
90	1

### 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	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	101			
	1	115	112	112	109	112	110	107	105	105	104	102	102	100	99	98	97	96	94			
	2	109	104	99	96	107	102	98	95	99	95	93	96	93	91	93	91	89	87			
	3	103	97	91	87	101	95	90	86	92	88	85	90	87	84	88	85	82	81			
	4	98	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75			
	5	93	85	79	74	92	84	78	74	82	77	73	80	76	73	79	75	72	70			
	6	89	80	74	69	87	79	73	69	77	72	68	76	71	68	75	71	68	66			
	7	85	75	69	65	83	75	69	65	73	68	64	72	67	64	71	67	64	62			
	8	81	71	65	61	80	71	65	61	70	64	61	69	64	60	68	63	60	59			
	9	77	68	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56			
10	74	64	59	55	73	64	58	55	63	58	54	62	58	54	62	57	54	53				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## RL507-650L-DIMTR-120-85-40K-W-WH

INPUT WATTS: **13.6**

LUMENS: **792**

CRI: **85+**

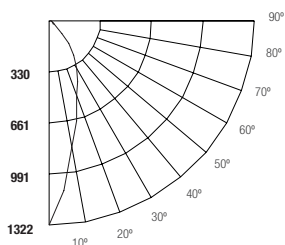
EFFICACY: **58.2**

CCT: **4000K**

TEST NO.: **EL-0913109**

SPACING CRITERIA: **0.66**

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	288.35	36.80	36.40
0-30	488.10	62.30	61.60
0-40	652.55	83.30	82.40
0-60	756.97	96.70	95.60
0-80	787.98	100.60	99.50
0-90	791.97	101.10	100.00

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13277	9931	6084
55	4472	4480	4111
65	4013	3731	3675
75	3748	3393	3308
85	4430	3794	252

### Lumens Per Zone

Zone	Lumens
0-10	99.45
10-20	188.90
20-30	199.76
30-40	164.45
40-50	75.18
50-60	29.24
60-70	19.40
70-80	11.61
80-90	3.98

### Candela Tabulation

0	0
0	1321
5	1100
15	674
25	433
35	272
45	115
55	31
65	20
75	11
85	4
90	1

### 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	120	120	120	120	118	118	118	118	112	112	112	108	108	108	103	103	103	101			
	1	114	111	108	105	111	109	106	104	104	102	100	101	99	97	97	96	95	93			
	2	108	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
	3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80	78			
	4	96	87	81	77	94	86	81	76	84	79	75	82	78	74	80	76	73	72			
	5	91	81	75	70	89	80	74	70	79	73	69	77	72	69	75	71	68	67			
	6	86	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62			
	7	81	71	65	60	80	71	65	60	69	64	60	68	63	59	67	63	59	58			
	8	77	67	61	56	76	67	60	56	65	60	56	64	59	56	63	59	55	54			
	9	74	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51			
10	70	60	54	50	69	59	54	50	59	53	49	58	53	49	57	52	49	48				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED

5"

5 INCH LED RETROFIT MODULE

RL507- **A** - **B** - **C** - **D** -CL-WH



Photometric Multiplier 1.0

**CL-WH**

Clear- White

RL507- **A** - **B** - **C** - **D** -SN-WH



Photometric Multiplier .87

**SN-WH**

Satin Nickel- White

RL507- **A** - **B** - **C** - **D** -SHZ-WH



Photometric Multiplier .90

**SHZ-WH**

Satin Haze-White

RL507- **A** - **B** - **C** - **D** -CL-CH



Photometric Multiplier 1.0

**CL-CH**

Clear-Chrome

RL507- **A** - **B** - **C** - **D** -MB-BK



Photometric Multiplier .77

**MB-BK**

Black-Black

RL507- **A** - **B** - **C** - **D** -W-WH



Photometric Multiplier .95

**W-WH**

White-White

RL507- **A** - **B** - **C** - **D** -SN-SN



Photometric Multiplier .87

**SN-SN**

Satin Nickel- Satin Nickel

RL507- **A** - **B** - **C** - **D** -RG-WH



Photometric Multiplier .90

**RG-WH**

Gold-White

RL507- **A** - **B** - **C** - **D** -CP-CP



Photometric Multiplier .90

**CP-CP**

Copper-Copper

RL507- **A** - **B** - **C** - **D** -BZ-BZ



Photometric Multiplier .87

**BZ-BZ**

Bronze-Bronze

RL507- **A** - **B** - **C** - **D** -CL-BK



Photometric Multiplier 1.0

**CL-BK**

Clear- Black

RL507- **A** - **B** - **C** - **D** -MB-WH



Photometric Multiplier .77

**MB-WH**

Black-White

RL507- **A** - **B** - **C** - **D** -CL-SN



Photometric Multiplier 1.0

**CL-SN**

Clear-Satin Nickel

LED

5"

5 INCH LED RETROFIT MODULE



(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+
<input type="checkbox"/> 900L	<input type="checkbox"/> DIMTR-120 <input type="checkbox"/> DIM10-MVOLT <input type="checkbox"/> 277 (non dimmable)		
LED (Retrofit) Die-cast Aluminum Lensed Reflector			
See ordering chart for compatible housing on page 332, 333, 334 & 335			

