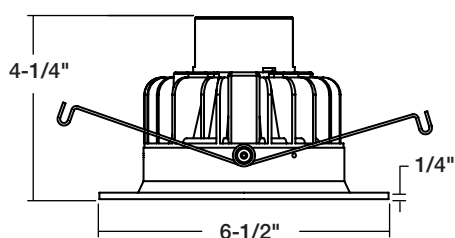
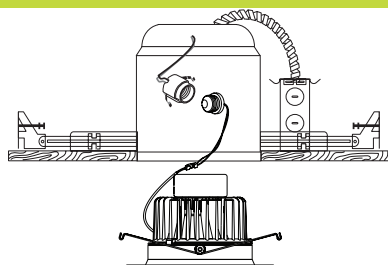




### DIMENSION



### 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. You MUST seal all gaps between the ceiling and fixture with weatherproof silicone sealant. This deters moisture and water from damaging fixtures and other mechanical ceiling elements.



### CERTIFICATIONS

- RoHS
- IECC
- LM97/LM80
- California Title 24
- New York state
- Washington state
- Made in USA
- TUV Safety Tested

### 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 50,000hrs 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 RL511 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 Htz 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

# RL511

## 5" LED RETROFIT DIE-CAST ALUMINUM LENSED STEPPED BAFFLE WALL WASH

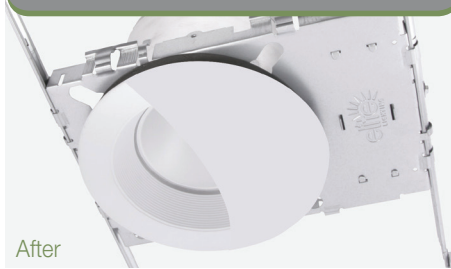
### R30 Lamp



Before



### RL511 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: **RL511-650L-DIMTR-120-30K-90-W-WH-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	WALL WASH COVER	OPTION
RL511 (Baffle Wall Wash)	<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"/> W-WH <input type="checkbox"/> P-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> CP-CP <input type="checkbox"/> BZ-BZ <input type="checkbox"/> P-BK	<input type="checkbox"/> WH <input type="checkbox"/> SN	<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	

LED

5"

### RECOMMENDED DIMMERS FOR ELITE -RL511

#### LUTRON DIMMERS

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 DVSCVT	NovaT NTELV-600 Diva DVELV-300P Skylark SELV-300P

#### LEVITON DIMMERS

DIMTR	DIM10	DIMELV
IlumaTech IPE04	AWSMT-7DW AWSMG-7DW AMRMG-7DW Leviton Centura IlumaTech IP7 Series	IlumaTech IPE04



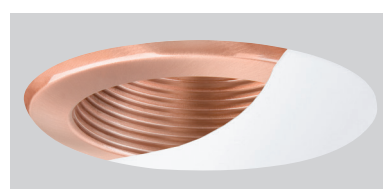
5 INCH LED RETROFIT MODULE

**W-W-WH**

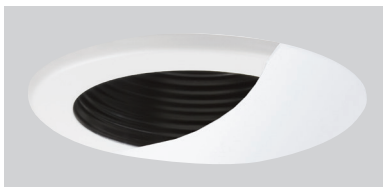
White-White-White

**SN-SN-WH**

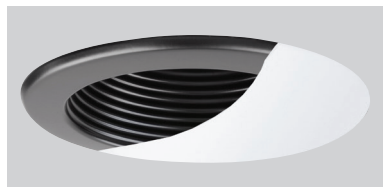
Satin Nickel-Satin Nickel -White

**CP-CP-WH**

Copper-Copper-White

**P-W-WH**

Black-White-White

**P-BK-WH**

Black-Black-White

**BZ-BZ-WH**

Bronze-Bronze-White

**RL511-650L-DIMTR-120-40K-W-WH**

INPUT WATTS: 13.4

LUMENS: 515

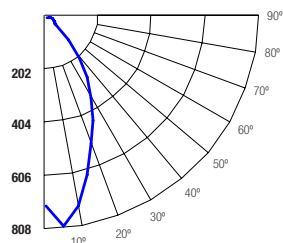
CRI: 85+

EFFICACY: 38

CCT: 4000K

TEST NO.: EL-101308

SPACING CRITERIA: 0.70

**Candle Power Distribution (Candelas)**

Cone of Light		
4.0	45.5 fc	3.3 ft
8.0	11.4 fc	6.6 ft
12.0	5.06 fc	9.9 ft
16.0	2.84 fc	13.2 ft
20.0	1.82 fc	16.5 ft
24.0	1.26 fc	19.8 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	179.70	N.A.	34.90
0-30	301.38	N.A.	58.50
0-40	400.62	N.A.	77.80
0-60	477.27	N.A.	92.70
0-80	510.10	N.A.	99.10
0-90	514.98	N.A.	100.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	14316	11321	4838
55	6113	5598	3647
65	6994	5637	3444
75	7824	7415	3336
85	8196	7710	449

**Lumens Per Zone**

Zone	Lumens
0-10	59.44
10-20	120.25
20-30	121.68
30-40	99.24
40-50	51.21
50-60	25.44
60-70	19.45
70-80	13.38
80-90	4.88

**Candela Tabulation**

0	0
0	728.16
5	807.72
15	627.20
25	436.56
35	279.96
45	124.28
55	43.05
65	36.29
75	24.86
85	8.77
90	0.72

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
	1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90			
	2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82			
	3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
	4	93	84	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	68			
	5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63			
	6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58			
	7	79	68	62	57	77	68	61	57	68	61	57	65	60	56	64	59	56	54			
	8	75	64	58	53	73	64	57	53	63	57	53	61	56	53	60	56	52	51			
	9	71	61	54	50	70	60	54	50	59	53	49	58	53	49	57	53	49	48			
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

**RL511-900L-DIMTR-120-40K-W-WH**

INPUT WATTS: 16.4

LUMENS: 561

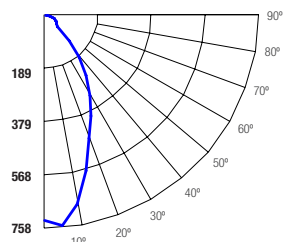
CRI: 85+

EFFICACY: 34

CCT: 4000K

TEST NO.: EL-0913117

SPACING CRITERIA: 0.70

**Candle Power Distribution (Candelas)**

Cone of Light		
4.0	45.9 fc	3.6 ft
8.0	11.5 fc	7.2 ft
12.0	5.1 fc	10.8 ft
16.0	2.87 fc	14.4 ft
20.0	1.84 fc	18 ft
24.0	1.28 fc	21.6 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	191.78	N.A.	34.20
0-30	321.58	N.A.	57.30
0-40	424.83	N.A.	75.70
0-60	516.41	N.A.	92.10
0-80	555.34	N.A.	99.00
0-90	560.92	N.A.	100.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	14550	13837	7686
55	7534	7367	4326
65	8382	6734	4094
75	9196	8321	3852
85	9551	8589	486

**Lumens Per Zone**

Zone	Lumens
0-10	61.92
10-20	129.85
20-30	129.80
30-40	103.25
40-50	60.51
50-60	31.07
60-70	23.30
70-80	15.62
80-90	5.58

**Candela Tabulation**

0	0
0	735.00
5	757.13
15	576.97
25	400.18
35	263.27
45	126.31
55	53.05
65	43.49
75	29.22
85	10.22
90	0.73

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100	100
	1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	92	90	90
	2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	85	83	81	81
	3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	76	74	74
	4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68	68	68	68
	5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62	64	62	62
	6	83	72	66	61	81	72	65	60	70	64	60	68	63	59	67	63	59	57	59	57	57
	7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53	55	53	53
	8	74	63	57	52	73	63	56	52	62	56	52	61	55	52	60	55	51	50	53	51	50
	9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47	52	48	47
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44	50	45	44	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance