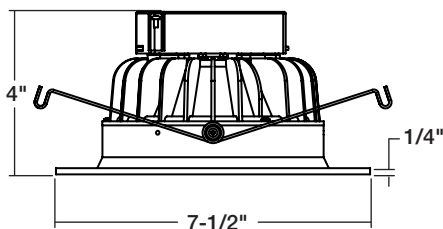
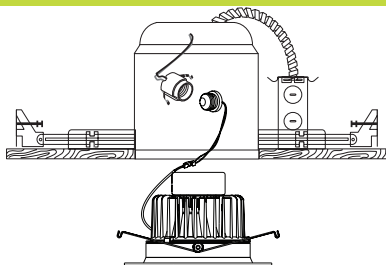




### DIMENSION



### 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 6" 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

### 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 6" incandescent downlights by using our unique Edison adapter. Over 1200 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 100W PAR38 lamps and 25% less than the common 18W, 26W, and 32W 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 (LD6 Only)	50/60Hz	<20%	>0.9	14W (+/-5%)	750
120 / 277 (LD6 Only)	50/60Hz	<20%	>0.9	16W (+/-5%)	900
120 / 277 (LD6 Only)	50/60Hz	<20%	>0.9	20W (+/-5%)	1200

### FEATURES

Greater light output than an 18W, 26W, and 32W CFL or a 65W BR30, 75W BR30, and 100W PAR38 while consuming less than 14W, 16W and 20W 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 1200 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, produces less than 20% 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 and Electronic Low Voltage dimmer when ordered with the following options (DIMTR-120). A 0-10 Volt dimming driver can also be ordered when specified with the following options (DIM10-MVOLT). Consult Factory for details.

### INTERCHANGEABLE

The 650 lumen series and 900 lumen series Elite **LED Module** system works in our dedicated (LD6IC-AT, LD6RIC-AT, LD6-AT, LD6R-AT) housings and our existing 6" incandescent housings (or standard B6IC-AT, EZ6IC-AT and B6RIC-AT - 120V Only) but is also suitable for using in most 6" recessed downlight housing. The 1200 lumen Elite **LED Module** system works in our dedicated Non-IC (LD6-AT, LD6R-AT - 120V to 277V) housings and our existing 6" incandescent Non-IC housings (or standard B6-AT and B6R-AT) but is also suitable for using in most 6" 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 6" downlight housings and most other 6" downlight housings.

### OUR WORD

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

LED

6"

6 INCH LED RETROFIT MODULE



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: **RL622-750L-DIMTR-120-30K-90-CL-WH-WH**

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

TYPE	750L SERIES	900L SERIES	1200L SERIES	CCT	CRI	FINISH		COVER	OPTION
RL622 (Reflector Wall Wash)	<input type="checkbox"/> 750L-DIMTR-120 <input type="checkbox"/> 750L-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"/> 1200L-DIMTR-120 <input type="checkbox"/> 1200L-DIM10-MVOLT <input type="checkbox"/> 1200L-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"/> 90+ <input type="checkbox"/> 85+	<input type="checkbox"/> CL-WH <input type="checkbox"/> W-WH <input type="checkbox"/> BZ-BZ <input type="checkbox"/> SN-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> CL-BK <input type="checkbox"/> SHZ-SHZ	<input type="checkbox"/> RG-WH <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"/> CL-SN	<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
LD6IC	LD6-AT	LD6RIC-AT	LD6R-AT
HLD6IC-AT	HLD6-AT	HLD6RIC-AT	HLD6R-AT
LD600IC-AT	B6-AT	EZ6IC-AT	B6R-AT
EZ6IC-AT		B6RIC-AT	
B6IC-AT			
B6IC-100-AT			
B600-IC			

### \*RECOMMENDED DIMMERS FOR LED SYSTEM - RL630

LUTRON DIMMERS		LEVITON DIMMERS
DIMTR		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 NTLV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450	IllumaTech IPE04 Sureslide 6633 Acenti Vizia+

\* FOR LED LOADS, MAXIMUM CAPACITY SHOULD BE DERATED TO 25% OF PUBLISHED MAXIMUM CAPACITY.



LED  
6"

6 INCH LED RETROFIT MODULE

# 6" LED RETROFIT MODULE - REFLECTOR WALL WASH

## RL622-750L-DIMTR-120-40K-W-WH

INPUT WATTS: **13.7**

LUMENS: **477**

CRI: **85+**

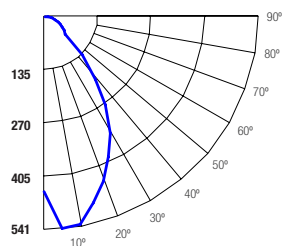
EFFICACY: **35**

CCT: **4000K**

TEST NO.: **EL-101305**

SPACING CRITERIA: **0.90**

### Candle Power Distribution (Candelas)



Cone of Light		
4.0	27.8 ft	4.9 ft
8.0	6.95 ft	9.7 ft
12.0	3.09 ft	14.6 ft
16.0	1.74 ft	19.4 ft
20.0	1.11 ft	24.3 ft
24.0	0.77 ft	29.1 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	123.51	N.A.	25.90
0-30	230.06	N.A.	48.20
0-40	331.13	N.A.	69.40
0-60	431.75	N.A.	90.40
0-80	471.83	N.A.	98.80
0-90	477.37	N.A.	100.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	10690	11523	6557
55	5912	5689	3033
65	5963	4428	2817
75	6069	5701	2651
85	6234	5876	478

### Lumens Per Zone

Zone	Lumens
0-10	37.30
10-20	86.20
20-30	106.55
30-40	101.07
40-50	66.56
50-60	34.07
60-70	24.17
70-80	15.90
80-90	5.54

### Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	445.08	540.51	490.78	393.63	274.34	138.02	61.91	46.01	28.68	9.92	0.54

### 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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			
	2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79			
	3	97	88	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70			
	4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			
	5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	58			
	6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52			
	7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
	8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
	9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## RL622-900L-DIMELV-120-40K-W-WH

INPUT WATTS: **14.9**

LUMENS: **616**

CRI: **85+**

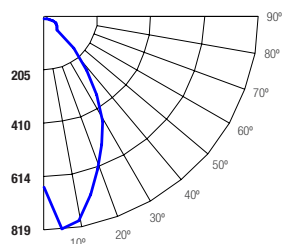
EFFICACY: **41**

CCT: **4000K**

TEST NO.: **EL-0913122**

SPACING CRITERIA: **0.84**

### Candle Power Distribution (Candelas)



Cone of Light		
4.0	40.9 ft	4.4 ft
8.0	10.2 ft	8.8 ft
12.0	4.55 ft	13.1 ft
16.0	2.56 ft	17.5 ft
20.0	1.64 ft	21.9 ft
24.0	1.14 ft	26.3 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	173.47	N.A.	28.10
0-30	314.79	N.A.	51.10
0-40	444.64	N.A.	72.10
0-60	561.53	N.A.	91.10
0-80	609.51	N.A.	98.90
0-90	616.37	N.A.	100.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	12783	13690	7094
55	5916	6401	3672
65	6723	5462	3508
75	7466	7246	3303
85	7648	7516	616

### Lumens Per Zone

Zone	Lumens
0-10	54.07
10-20	119.39
20-30	141.33
30-40	129.84
40-50	78.68
50-60	38.21
60-70	28.55
70-80	19.43
80-90	6.86

### Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	654.96	819.10	707.55	539.66	361.13	165.04	61.96	51.88	35.28	12.17	0.61

### 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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	92	91	89			
	2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			
	3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72			
	4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65			
	5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59			
	6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54			
	7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50			
	8	72	60	53	49	70	60	53	48	59	53	48	57	52	48	56	51	48	46			
	9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

## RL622-1200L-DIMTR-120-40K-W-WH

INPUT WATTS: **20.2**

LUMENS: **930**

CRI: **85+**

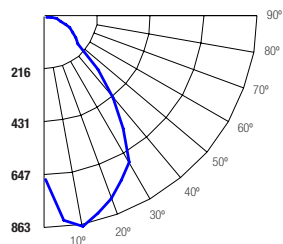
EFFICACY: **46**

CCT: **4000K**

TEST NO.: **EL-101309**

SPACING CRITERIA: **1.04**

### Candle Power Distribution (Candelas)



Cone of Light		
4.0	41.2 ft	6.1 ft
8.0	10.3 ft	12.3 ft
12.0	4.57 ft	18.4 ft
16.0	2.57 ft	24.5 ft
20.0	1.65 ft	30.7 ft
24.0	1.14 ft	36.8 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	199.11	N.A.	21.40
0-30	395.93	N.A.	42.60
0-40	601.14	N.A.	64.60
0-60	825.77	N.A.	88.80
0-80	917.79	N.A.	98.70
0-90	930.02	N.A.	100.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	23109	23815	14106
55	14322	13162	7037
65	13851	10497	6276
75	13592	12328	5993
85	13844	12537	1049

### Lumens Per Zone

Zone	Lumens
0-10	56.93
10-20	142.19
20-30	196.82
30-40	205.21
40-50	143.69
50-60	80.94
60-70	56.43
70-80	35.59
80-90	12.23

### Candela Tabulation

Q	0	5	15	25	35	45	55	65	75	85	90
0	658.67	827.55	821.68	729.97	551.98	298.35	149.99	106.88	64.23	22.03	0.93

### 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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			
	2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77			
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	4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61			
	5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54			
	6	77	66	58	52	75	65	57	52	63	57	52	61	56	51	60	55	51	49			
	7	72	62	53	47	70	60	52	47	58	52	47	57	51	47	50	46	45	45			
	8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41			
	9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	39	37			
10	60	48	41	37	59	48	41	36	47	41	36	46	40	36	45	40	36	34				