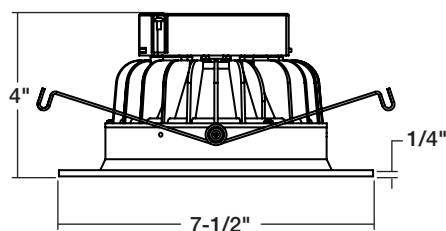
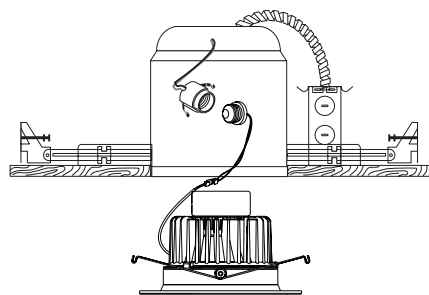




DIMENSION



INSTALLATION



- Socket adapter removes from module, allowing installation to be quick and easy. Simply screw in the adapter and plug in the module.
- Utilizes industry standard V or torsion springs, installs in most 6" incandescent down lights. Insert torsion springs into can and press trim to ceiling. Friction blades also included in box.



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 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 72,000hrs 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 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, 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)



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: **RL607-750L-DIMTR-120-30K-90-CL-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	OPTION
RL607 (Reflector)	<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"/> 85+ <input type="checkbox"/> 90+	<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"/> GU24SA GU24 SOCKET ADAPTER

LED
6"

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	
DIMTR	
Diva DVCL-153P	Maestro MRF2-6ND
Skylark CTCL-153P	NovaT NTELV-600
Nova N-600	Diva DVELV-300P
NovaT NT-600	Skylark SELV-300P
Skylark S-600	Nova NELV-450
Ariadni AY-600P	
Nova NTLV-600	
Nova NLV-600	

LEVITON DIMMERS
DIMTR
IllumaTech IPE04
Sureslide 6633
Acenti
Vizia+

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

6" LED RETROFIT MODULE - PHOTOMETRY

RL607-1200L-DIMTR-120-30K-90-CL-WH

TEST NO.: EL-101372

INPUT WATTS: 19

LUMENS: 1209

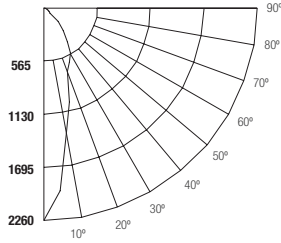
CRI: 90+

EFFICACY: 63.6

CCT: 3000K

SPACING CRITERIA: 0.54

Candle Power Distribution (Candelas)



Cone of Light		
4.0	141.2	1.7'
8.0	35.3	3.5'
12.0	15.7	5.2'
16.0	8.8	6.9'
20.0	5.6	8.7'
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	420.37	35.20	34.80
0-30	701.34	58.70	58.00
0-40	972.62	81.50	80.40
0-60	1181.9	99.00	97.70
0-80	1207.54	101.10	99.90
0-90	1209.2	101.30	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	15769	17594	14146
55	6465	6577	3945
65	3802	2465	2048
75	1684	952	671
85	2231	1219	44

Lumens Per Zone

Zone	Lumens
0-10	159.82
10-20	260.54
20-30	280.98
30-40	271.27
40-50	157.67
50-60	51.61
60-70	19.86
70-80	5.77
80-90	1.66

Candela Tabulation

0	
0	2259
5	1951
15	1035
25	635
35	436
45	203
55	67
65	29
75	7
85	3
90	1

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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%	
0	121	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	102	102	102	102	102	102
1	114	111	109	106	106	112	109	107	104	105	103	101	101	100	98	98	96	95	93	93	93	93	93	93
2	108	103	98	94	94	106	101	97	93	97	94	91	94	92	89	92	89	87	86	86	86	86	86	86
3	102	95	89	85	85	100	93	88	84	91	86	83	88	84	81	86	83	80	78	78	78	78	78	78
4	96	88	82	77	77	94	87	81	76	84	79	75	82	78	75	80	77	74	72	72	72	72	72	72
5	91	81	75	70	70	89	81	74	70	79	73	69	77	72	69	75	71	68	66	66	66	66	66	66
6	86	76	69	65	65	84	75	69	64	74	68	64	72	67	64	71	66	63	62	62	62	62	62	62
7	81	71	64	60	60	80	70	64	60	69	63	59	68	63	59	67	62	59	57	57	57	57	57	57
8	77	67	60	56	56	76	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53	53	53
9	73	63	56	52	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50	50	50
10	70	59	53	49	49	69	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47	47	47

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL607-900L-DIMTR-120-30K-90-CL-WH

TEST NO.: EL-101373

INPUT WATTS: 15.3

LUMENS: 685

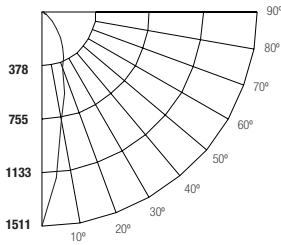
CRI: 90+

EFFICACY: 44.8

CCT: 3000K

SPACING CRITERIA: 0.50

Candle Power Distribution (Candelas)



Cone of Light		
4.0	94.4	1.6'
8.0	23.6	3.1'
12.0	10.5	4.7'
16.0	5.9	6.3'
20.0	3.8	7.8'
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	266.20	39.50	38.90
0-30	431.58	64.00	63.00
0-40	574.52	85.20	83.90
0-60	673.89	99.90	98.40
0-80	683.85	101.40	99.90
0-90	684.65	101.50	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	7338	8178	6841
55	2273	2771	1492
65	1352	965	805
75	652	339	188
85	1100	685	25

Lumens Per Zone

Zone	Lumens
0-10	102.77
10-20	163.43
20-30	165.38
30-40	142.94
40-50	77.70
50-60	21.67
60-70	7.79
70-80	2.16
80-90	0.81

Candela Tabulation

0	
0	1510
5	1172
15	593
25	353
35	223
45	94
55	23
65	10
75	3
85	1
90	1

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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%	
0	121	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	102	102	102	102	102	102
1	115	112	109	107	107	112	110	107	105	106	104	102	102	100	99	98	97	96	94	94	94	94	94	94
2	109	104	99	96	96	107	102	98	95	99	95	93	96	93	91	93	91	89	87	87	87	87	87	87
3	103	96	91	87	87	101	95	90	86	92	88	85	90	86	83	87	84	82	80	80	80	80	80	80
4	98	90	84	79	79	96	88	83	79	86	82	78	84	80	77	82	79	76	74	74	74	74	74	74
5	92	84	77	73	73	91	83	77	73	81	76	72	79	75	71	78	74	71	69	69	69	69	69	69
6	88	78	72	68	68	86	78	72	67	76	71	67	75	70	66	73	69	66	64	64	64	64	64	64
7	83	74	67	63	63	82	73	67	63	72	66	62	70	66	62	69	65	62	60	60	60	60	60	60
8	79	69	63	59	59	78	69	63	59	68	62	58	67	62	58	66	61	58	56	56	56	56	56	56
9	76	66	59	55	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53	53	53	53	53	53
10	72	62	56	52	52	71	62	56	52	61	55	52	60	55	52	59	55	52	50	50	50	50	50	50

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED

6"

6 INCH LED RETROFIT MODULE

6" LED RETROFIT MODULE - REFLECTOR

RL607- **A** - **B** - **C** - **D** -CL-WH



CL-WH
Clear- White

RL607- **A** - **B** - **C** - **D** -SN-WH



SN-WH
Satin Nickel- White

RL607- **A** - **B** - **C** - **D** -SHZ-SHZ



SHZ-SHZ
Satin Haze-Satin Haze

RL607- **A** - **B** - **C** - **D** -CL-CH



CL-CH
Clear-Chrome

RL607- **A** - **B** - **C** - **D** -MB-BK



MB-BK
Black-Black

RL607- **A** - **B** - **C** - **D** -W-WH



W-WH
White-White

RL607- **A** - **B** - **C** - **D** -SN-SN



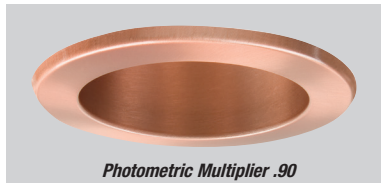
SN-SN
Satin Nickel- Satin Nickel

RL607- **A** - **B** - **C** - **D** -RG-WH



RG-WH
Gold-White

RL607- **A** - **B** - **C** - **D** -CP-CP



CP-CP
Copper-Copper

RL607- **A** - **B** - **C** - **D** -CL-SN



CL-SN
Clear-Satin Nickel

RL607- **A** - **B** - **C** - **D** -BZ-BZ



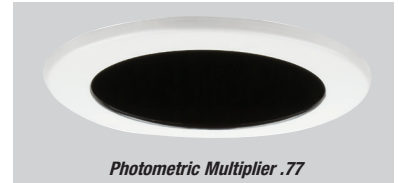
BZ-BZ
Bronze-Bronze

RL607- **A** - **B** - **C** - **D** -CL-BK



CL-BK
Clear- Black

RL607- **A** - **B** - **C** - **D** -MB-WH



MB-WH
Black-White

RL607- **A** - **B** - **C** - **D** -RG-PB



RG-PB
Gold-Polish Brass



(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) FINISH	
<input type="checkbox"/> 750L	<input type="checkbox"/> DIMTR-120 <input type="checkbox"/> 277 (non dimming)	<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"/> CL-WH	<input type="checkbox"/> RG-WH
<input type="checkbox"/> 900L	<input type="checkbox"/> DIMTR-120 <input type="checkbox"/> DIM10-MVOLT <input type="checkbox"/> 277 (non dimming)			<input type="checkbox"/> W-WH	<input type="checkbox"/> MB-WH
<input type="checkbox"/> 1200L	<input type="checkbox"/> DIMTR-120 <input type="checkbox"/> DIM10-MVOLT <input type="checkbox"/> 277 (non dimming)			<input type="checkbox"/> BZ-BZ	<input type="checkbox"/> CL-CH
				<input type="checkbox"/> SN-WH	<input type="checkbox"/> CP-CP
				<input type="checkbox"/> SN-SN	<input type="checkbox"/> RG-PB
				<input type="checkbox"/> CL-BK	<input type="checkbox"/> MB-BK
				<input type="checkbox"/> SHZ-SHZ	<input type="checkbox"/> CL-SN

LED (Retrofit) Die-cast Aluminum Lensed Reflector

See ordering chart for compatible housing on page 310, 312, 313, 314 & 315

LED

6"

6 INCH LED RETROFIT MODULE