

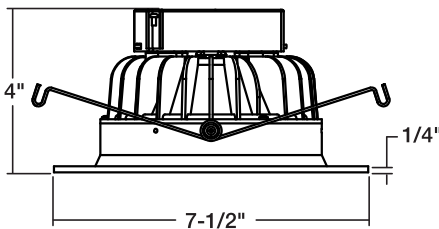
1500
LUMENS



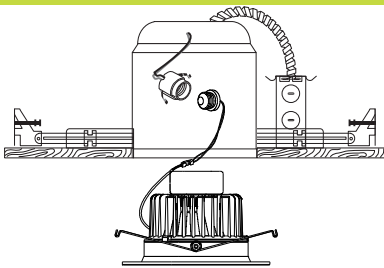
HIGH PERFORMANCE

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
750	801	7W
900	1120	10W
1200	1380	12W
1500	1630	14W
2000	1920	18W

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
- 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 1500 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	POWER INPUT	SERIES
120 / 277 (LD6 Only)	50/60Hz	<20%	>0.9	9W (+/-5%)	750
120 / 277 (LD6 Only)	50/60Hz	<20%	>0.9	11W (+/-5%)	900
120 / 277 (LD6 Only)	50/60Hz	<20%	>0.9	14W (+/-5%)	1200
120 / 277 (LD6 Only)	50/60Hz	<20%	>0.9	17W (+/-5%)	1500

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 1500 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 Reflecto, 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 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: **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"/> 750-DIM10-MVOLT <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
		1500L SERIES	2000L SERIES				
		<input type="checkbox"/> 1500L-DIMTR-120 <input type="checkbox"/> 1500L-DIM10-MVOLT <input type="checkbox"/> 1500L-277 (Non Dimmable)	<input type="checkbox"/> 2000L-DIMTR-120 <input type="checkbox"/> 2000L-DIM10-MVOLT <input type="checkbox"/> 2000L-277 (Non Dimmable)				

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

RL607-750L-DIMTR-120-27K-90-CL-WH

TEST NO.: ELB09111974

INPUT WATTS: 9.26077

LUMENS: 770

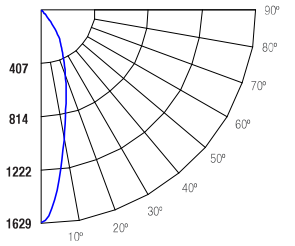
CRI: 90

EFFICACY: 83

CCT: 2700K

SPACING CRITERIA: 0.60

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	351.05	45.60	45.60
0-30	557.24	72.40	72.40
0-40	709.28	92.10	92.10
0-60	766.70	99.60	99.60
0-80	769.24	99.90	99.90
0-90	769.25	99.90	99.90

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	14615	18105	28348
55°	6368	6541	7490
65°	462	486	1507
75°	265	331	450
85°	39	39	39

Lumens Per Zone

Zone	Lumens
0-10	126.88
10-20	224.17
20-30	206.19
30-40	152.04
40-50	46.18
50-60	11.24
60-70	2.25
70-80	0.28
80-90	0.01

Candela Tabulation

0	100
0	1626.31
5	1384.39
15	740.87
25	407.49
35	221.04
45	30.19
55	10.67
65	0.57
75	0.20
85	0.01
90	0.01

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%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	102	102	100			
1	114	111	109	107	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	94	94	94			
2	108	104	100	97	97	106	102	99	96	99	96	93	96	93	91	93	91	90	88	88	88	88			
3	103	97	92	89	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82			
4	98	91	86	82	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77	77	77	77			
5	94	86	80	76	76	92	85	80	76	83	79	75	81	77	74	80	76	74	72	72	72	72			
6	89	81	75	71	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68	68			
7	85	76	71	67	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64	64	64	64			
8	81	72	67	63	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61	61	61	61			
9	78	69	63	59	59	77	68	63	59	67	63	59	67	62	59	66	62	59	57	57	57	57			
10	75	65	60	56	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55	55	55	55			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Beam Dia. (ft.)	Beam Dia. (ft.)	Beam Dia. (ft.)	Beam Dia. (ft.)
2	407	1.1	1.1
4	102	2.1	2.1
6	45.2	3.2	3.2
8	25.4	4.2	4.2
10	16.3	5.3	5.3
12	11.3	6.3	6.3

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

RL607-900L-DIMTR-120-27K-90-CL-WH

TEST NO.: ELB09111973

INPUT WATTS: 11.1343

LUMENS: 917

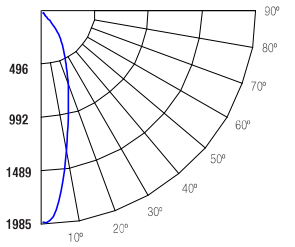
CRI: 90

EFFICACY: 82

CCT: 2700K

SPACING CRITERIA: 0.58

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	419.08	45.70	45.70
0-30	664.32	72.40	72.40
0-40	844.82	92.10	92.10
0-60	913.33	99.60	99.60
0-80	916.35	99.90	99.90
0-90	916.36	99.90	99.90

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	15481	17393	27075
55°	7144	7364	8815
65°	478	462	1571
75°	238	278	344
85°	39	39	39

Lumens Per Zone

Zone	Lumens
0-10	151.91
10-20	267.17
20-30	245.24
30-40	180.50
40-50	55.18
50-60	13.33
60-70	2.67
70-80	0.35
80-90	0.01

Candela Tabulation

0	100
0	1981.35
5	1662.08
15	885.26
25	479.28
35	254.69
45	31.98
55	11.97
65	0.59
75	0.18
85	0.01
90	0.01

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%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	102	102	100			
1	114	111	109	107	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	94	94	94			
2	108	104	100	97	97	106	102	99	96	99	96	93	96	93	91	93	91	90	88	88	88	88			
3	103	97	92	89	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82			
4	98	91	86	82	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77	77	77	77			
5	94	86	80	76	76	92	85	80	76	83	79	75	81	77	74	80	76	74	72	72	72	72			
6	89	81	75	71	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68	68			
7	85	76	71	67	67	84	76	70	67	75	70	66	73	69	66	72	68	66	64	64	64	64			
8	82	72	67	63	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61	61	61	61			
9	78	69	63	59	59	77	68	63	59	67	63	59	67	62	59	66	62	59	57	57	57	57			
10	75	66	60	56	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55	55	55	55			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Beam Dia. (ft.)	Beam Dia. (ft.)	Beam Dia. (ft.)	Beam Dia. (ft.)
2	495	1	1
4	124	2.1	2.1
6	55	3.1	3.1
8	31	4.1	4.1
10	19.8	5.2	5.2
12	13.8	6.2	6.2

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

RL607-1200L-DIMTR-120-27K-90-CL-WH

TEST NO.: ELB09161984

INPUT WATTS: 13.9506

LUMENS: 1141

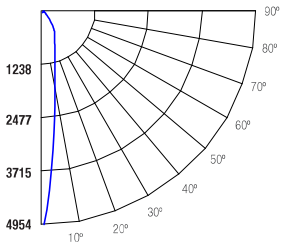
CRI: 90

EFFICACY: 82

CCT: 2700K

SPACING CRITERIA: 0.34

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	567.06	49.70	49.70
0-30	861.56	75.50	75.50
0-40	1086.47	95.20	95.20
0-60	1137.27	99.70	99.70
0-80	1140.12	99.90	99.90
0-90	1140.14	99.90	99.90

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	11894	12257	15578
55°	6099	6756	8433
65°	348	624	1952
75°	331	727	503
85°	79	39	79

Lumens Per Zone

Zone	Lumens
0-10	257.39
10-20	309.67
20-30	294.50
30-40	224.90
40-50	38.63
50-60	12.17
60-70	2.50
70-80	0.36
80-90	0.01

Candela Tabulation

0	100
0	4774.99
5	2744.67
15	1014.39
25	597.78
35	322.02
45	24.57
55	10.22
65	0.43
75	0.25
85	0.02
90	0.02

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%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	102	102	100			
1	114	111	109	107	107	111	109	1																	

6" LED RETROFIT MODULE - REFLECTOR

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



CL-WH
Clear-White

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



W-WH
White-White

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



BZ-BZ
Bronze-Bronze

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



SN-WH
Satin Nickel-White

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



SN-SN
Satin Nickel-Satin Nickel

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



CL-BK
Clear-Black

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



SHZ-SHZ
Satin Haze-Satin Haze

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



RG-WH
Gold-White

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



MB-WH
Black-White

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



CL-CH
Clear-Chrome

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



CP-CP
Copper-Copper

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



RG-PB
Gold-Polish Brass

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



MB-BK
Black-Black

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



CL-SN
Clear-Satin Nickel



LED

6"

6 INCH LED RETROFIT MODULE