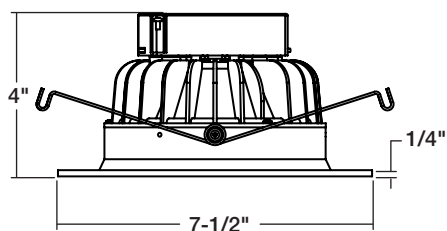
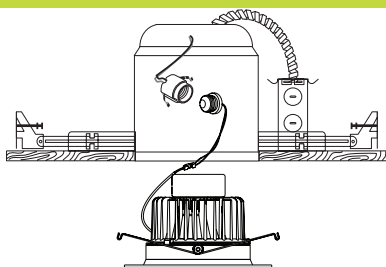




DIMENSION



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 baffle 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 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

RL630

6" 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: **RL630-750L-DIMTR-120-30K-90-W-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
RL630 (Baffle)	☐ 750L-DIMTR-120 ☐ 750-DIM10-MVOLT ☐ 750L-277 (Non Dimmable)	☐ 900L-DIMTR-120 ☐ 900L-DIM10-MVOLT ☐ 900L-277 (Non Dimmable)	☐ 1200L-DIMTR-120 ☐ 1200L-DIM10-MVOLT ☐ 1200L-277 (Non Dimmable) 1500L SERIES ☐ 1500L-DIMTR-120 ☐ 1500L-DIM10-MVOLT ☐ 1500L-277 (Non Dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (CRI 85+ Only)	☐ 85+ ☐ 90+	☐ W-WH ☐ P-WH ☐ SN-SN ☐ SN-WH ☐ CP-CP ☐ BZ-BZ ☐ P-BK	☐ 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		LUTRON CONTROL SYSTEM
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 NTELV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450	Homeworks HW/LP-RPM-4A-120 PHPM-PA Graphic Eye QS Radio RA2 RRD-10ND PHPM-PA ELV1-1000

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

6" LED RETROFIT MODULE - PHOTOMETRY

RL630-1200L-DIMTR-120-40K-90-W-WH

INPUT WATTS: 20.9

LUMENS: 1262

CRI: 85+

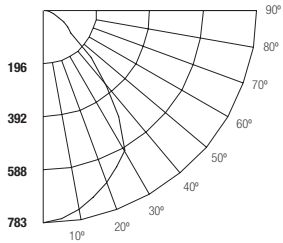
EFFICACY: 60.4

CCT: 4000K

TEST NO.: EL-0913116

SPACING CRITERIA: 1.18

Candle Power Distribution (Candelas)



Cone of Light		
4.0	49.0	6.7'
8.0	12.2	13.5'
12.0	5.4	20.2'
16.0	3.1	27.0'
20.0	2.0	33.7'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	274.32	21.80	21.70
0-30	569.29	45.30	45.10
0-40	879.88	70.00	69.70
0-60	1169.47	93.00	92.70
0-80	1251.5	99.50	99.20
0-90	1261.62	100.30	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	19084	21982	19743
55	10247	10338	7143
65	8114	6385	6002
75	6477	6128	5910
85	7114	6504	729

Lumens Per Zone

Zone	Lumens
0-10	72.87
10-20	201.45
20-30	294.97
30-40	310.59
40-50	201.79
50-60	87.80
60-70	51.70
70-80	30.32
80-90	10.12

Candela Tabulation

0	0
0	783
5	770
15	713
25	638
35	479
45	246
55	107
65	62
75	30
85	11
90	1.6

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	109	119	117	117	117	117	111	111	111	107	107	107	102	102	102	100			
	1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90			
	2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80			
	3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71			
	4	91	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
	5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			
	6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52			
	7	74	63	55	50	73	62	55	50	60	54	49	59	53	49	58	53	49	47			
	8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43			
	9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40			
	10	62	50	43	38	61	50	43	38	49	43	38	48	42	38	47	42	38	36			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL630-900L-DIMTR-120-40K-90-W-WH

INPUT WATTS: 14.7

LUMENS: 911

CRI: 85+

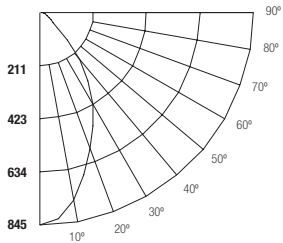
EFFICACY: 62

CCT: 4000K

TEST NO.: EL-0913115

SPACING CRITERIA: 0.94

Candle Power Distribution (Candelas)



Cone of Light		
4.0	52.8	4.6'
8.0	13.2	9.3'
12.0	5.9	13.9'
16.0	3.3	18.6'
20.0	2.1	23.2'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	258.97	28.50	28.40
0-30	486.23	53.60	53.30
0-40	697.47	76.90	76.50
0-60	866.44	95.50	95.00
0-80	906.95	100.00	99.40
0-90	912.15	100.60	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	11937	13586	11937
55	5112	5584	3378
65	4015	3123	3083
75	3166	3117	3022
85	3437	3375	396

Lumens Per Zone

Zone	Lumens
0-10	75.34
10-20	183.63
20-30	227.26
30-40	211.24
40-50	124.55
50-60	44.41
60-70	25.30
70-80	15.21
80-90	5.19

Candela Tabulation

0	0
0	845
5	822
15	668
25	500
35	332
45	154
55	53
65	30
75	14
85	5
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	RW	80%				70%				50%				30%				10%				0%			
		70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%
0	120	120	120	120	120	117	117	117	117	112	112	112	112	107	107	107	107	103	103	103	103	101	101	101	101
1	113	109	106	104	104	110	107	105	102	103	101	99	99	98	97	96	96	94	93	91	91	90	90	90	90
2	106	100	95	91	91	103	98	94	90	95	91	88	88	92	89	86	86	89	86	84	82	82	82	82	82
3	99	92	86	81	81	97	90	85	80	87	83	79	79	85	81	78	78	82	79	76	75	75	75	75	75
4	93	84	78	73	73	91	83	77	72	81	75	71	71	79	74	70	70	77	73	70	68	68	68	68	68
5	88	78	71	66	66	86	77	70	65	75	69	65	65	73	68	64	64	71	67	64	62	62	62	62	62
6	82	72	65	60	60	81	71	65	60	69	64	59	59	68	63	59	59	67	62	58	57	57	57	57	57
7	78	67	60	55	55	76	66	60	55	65	59	55	55	63	58	54	54	62	58	54	52	52	52	52	52
8	73	62	55	51	51	72	62	55	51	61	55	50	50	59	54	50	50	58	54	50	48	48	48	48	48
9	69	58	52	47	47	68	58	51	47	57	51	47	47	56	50	47	47	55	50	46	45	45	45	45	45
10	66	55	48	44	44	65	54	48	44	53	47	43	43	52	47	43	43	52	47	43	42	42	42	42	42

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL630-750L-DIMTR-120-40K-90-W-WH

INPUT WATTS: 13.9

LUMENS: 767

CRI: 85+

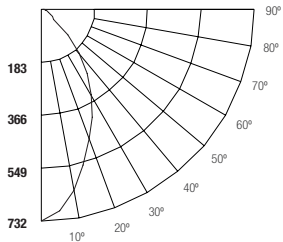
EFFICACY: 55.2

CCT: 4000K

TEST NO.: EL-0913114

SPACING CRITERIA: 0.92

Candle Power Distribution (Candelas)



Cone of Light		
4.0	45.7	4.4'
8.0	11.4	8.8'
12.0	5.1	13.2'
16.0	2.9	17.6'
20.0	1.8	22.0'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	222.89	29.20	29.10
0-30	413.37	54.20	53.90
0-40	586.81	77.00	76.50
0-60	728.39	95.50	95.00
0-80	762.44	100.00	99.40
0-90	766.94	100.60	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	9878	11109	9966
55	4364	4678	2782
65	3397	2582	2547
75	2673	2569	2508
85	3117	2866	308

Lumens Per Zone

Zone	Lumens
0-10	65.23
10-20	157.66
20-30	190.48
30-40	173.44
40-50	103.69
50-60	37.90
60-70	21.27
70-80	12.78
80-90	4.49

Candela Tabulation

0	0
0	731
5	698
15	556
25	410
35	271
45	127
55	45
65	26
75	12
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 VACITY RATIO	0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101			
	1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
	2	106	100	95	91	104	98	94	90	95	91	88	92	89	86	89	86	84	82			
	3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	76	75			
	4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68			
	5	88	78	71	67	86	77	70	66	75	68	63	73	68	64	72	67	64	62			
	6	83	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57			
	7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	63	58	54	53			
	8	74	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49			
	9	70	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45			
10	66	55	48	44	65	55	48	44	54	48	44	53	47	44	52	47	44	42				

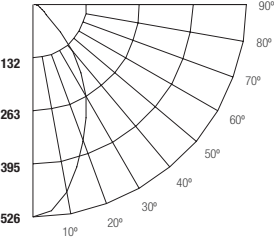
6" LED RETROFIT MODULE - PHOTOMETRY

TEST NO.: EL-101346

RL630-750L-DIMTR-120-30K-90-W-WH

INPUT WATTS: 13 LUMENS: 622 CRI: 90+ EFFICACY: 47.8 CCT: 3000K SPACING CRITERIA: 1.00

Candle Power Distribution (Candelas)



Cone of Light		
4.0	32.7	5.1'
8.0	8.2	10.2'
12.0	3.6	15.2'
16.0	2.0	20.3'
20.0	1.3	25.4'
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	167.54	27.10	26.90
0-30	320.63	51.80	51.50
0-40	465.48	75.20	74.80
0-60	589.52	95.20	94.70
0-80	618.59	99.90	99.40
0-90	622.19	100.50	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	9550	10480	9401
55	4827	4324	2489
65	3310	2029	2022
75	2108	1991	1945
85	2382	2199	220

Lumens Per Zone

Zone	Lumens
0-10	47.42
10-20	120.13
20-30	153.09
30-40	144.85
40-50	89.85
50-60	34.19
60-70	18.46
70-80	10.61
80-90	3.59

Candela Tabulation

0	0
0	522
5	523
15	455
25	255
35	243
45	123
55	50
65	25
75	9
85	3
90	0

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	120	120	120	120	117	117	117	117	112	112	112		107	107	107		103	103	103		100	100	100	100
	1	113	109	106	103	110	107	104	102	103	101	99		99	97	96		96	94	93		91	91	91	91
	2	106	100	95	90	103	98	93	89	94	91	87		91	88	85		88	86	84		82	82	82	82
	3	99	91	85	80	97	90	84	79	87	82	78		84	80	77		82	78	76		74	74	74	74
	4	93	83	77	72	91	82	76	71	80	75	70		78	73	69		76	72	69		67	67	67	67
	5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70	66	63		61	61	61	61
	6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	57		56	56	56	56
	7	77	66	59	54	75	65	58	54	64	58	53		63	57	53		61	56	53		51	51	51	51
	8	72	61	54	50	71	61	54	49	60	53	49		58	53	49		57	52	49		47	47	47	47
	9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45		44	44	44	44
	10	65	54	47	43	64	53	47	42	52	46	42		51	46	42		51	46	42		41	41	41	41

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

LED

6"

6 INCH LED RETROFIT MODULE

6" LED RETROFIT MODULE - BAFFLE



LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle Trim Ring



RL630- **A** - **B** - **C** - **D** -W-WH



Photometric Multiplier 1.0

W-WH

White- White

RL630- **A** - **B** - **C** - **D** -SN-WH



Photometric Multiplier 1.0

SN-WH

Satin Nickel- White

RL630- **A** - **B** - **C** - **D** -P-WH



Photometric Multiplier .75

P-WH

Black- White

RL630- **A** - **B** - **C** - **D** -CP-CP



Photometric Multiplier .87

CP-CP

Copper- Copper

RL630- **A** - **B** - **C** - **D** -SN-SN



Photometric Multiplier .92

SN-SN

Satin Nickel- Satin Nickel

RL630- **A** - **B** - **C** - **D** -P-BK



Photometric Multiplier .75

P-BK

Black- Black

RL630- **A** - **B** - **C** - **D** -BZ-BZ



Photometric Multiplier .85

BZ-BZ

Bronze- Bronze

LED

6"

6 INCH LED RETROFIT MODULE

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) FINISH
☐ 750L	☐ DIMTR-120 ☐ 277 (non dimming)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+ CRI ONLY)	☐ 85+ ☐ 90+	☐ W-WH ☐ SN-WH ☐ P-WH ☐ P-BK ☐ CP-CP ☐ BZ-BZ ☐ SN-SN
☐ 900L	☐ DIMTR-120 ☐ DIM10-MVOLT ☐ 277 (non dimming)			
☐ 1200L	☐ DIMTR-120 ☐ DIM10-MVOLT ☐ 277 (non dimming)			

LED (Retrofit) Die-cast Aluminum Lensed White Stepped Baffle

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

