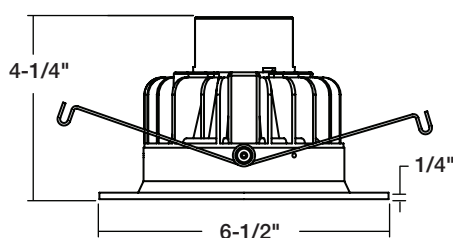
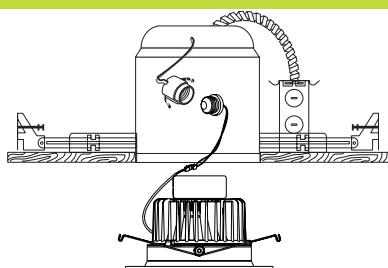




DIMENSION



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
- 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 5" 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 25% less than the common 18W & 26W 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 (LD5 Only)	50/60Hz	<20%	>0.9	9W (+/-5%)	650
120 / 277 (LD5 Only)	50/60Hz	<20%	>0.9	11W (+/-5%)	900
120 / 277 (LD5 Only)	50/60Hz	<20%	>0.9	14W (+/-5%)	1200

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 RL507 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 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 1200 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

RL507

5" LED RETROFIT DIE-CAST ALUMINUM LENSED REFLECTOR

R30 Lamp



Before

RL507 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.

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

Example: **RL507-650L-DIMTR-120-30K-90-W-WH**

TYPE	650L SERIES	CCT	CRI	FINISH	OPTION
RL507 (Reflector)	☐ 650L-DIMTR-120 ☐ 650L-277 (Non Dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (CRI 85+ Only)	☐ 85+ ☐ 90+	☐ CL-WH ☐ W-WH ☐ BZ-BZ ☐ SN-SN ☐ RG-WH ☐ MB-WH ☐ CL-CH ☐ CP-CP ☐ MB-BK ☐ CL-BK ☐ CL-SN ☐ SHZ-WH	☐ GU24SA GU24 SOCKET ADAPTER
	900L SERIES ☐ 900L-DIMTR-120 ☐ 900L-DIM10-MVOLT ☐ 900L-277 (Non Dimmable)				
	1200L SERIES ☐ 1200L-DIMTR-120 ☐ 1200L-DIM10-MVOLT ☐ 1200L-277 (Non Dimmable)				

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	

RECOMMENDED DIMMERS FOR ELITE - RL507

LUTRON DIMMERS				LEVITON DIMMERS		
DIMTR		DIM10	DIMELV	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	ILLumaTech IPE04	AWSMT-7DW AWSMG-7DW AMRMG-7DW Leviton Centura ILLumaTech IP7 Series	ILLumaTech IPE04

RL507-650L-DIMTR-120-27K-90-W-WH

INPUT WATTS: 9.19314

LUMENS: 832

CRI: 90

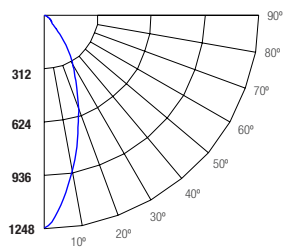
EFFICACY: 90

CCT: 2700K

TEST NO.: EL09111972

SPACING CRITERIA: 0.72

Candle Power Distribution (Candelas)



Cone of Light				
2	311	1.5	1.5	
4	77.6	3	3	
6	34.5	4.5	4.5	
8	19.4	5.9	5.9	
10	12.4	7.4	7.4	
12	8.63	8.9	8.9	
(FT.) Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread	

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	326.52	39.30	39.30
0-30	548.52	65.90	65.90
0-40	708.88	85.20	85.20
0-60	808.23	97.20	97.20
0-80	831.08	99.90	99.90
0-90	831.11	99.90	99.90

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	30382	31098	33688
55°	24379	24856	26235
65°	13170	14085	16329
75°	1375	2103	3796
85°	79	79	79

Lumens Per Zone

Zone	Lumens
0-10	104.17
10-20	222.35
20-30	222.00
30-40	160.36
40-50	60.91
50-60	38.44
60-70	19.58
70-80	3.28
80-90	0.02

Candela Tabulation

0	0
0	1242.26
5	1114.70
15	754.77
25	448.75
35	238.15
45	62.76
55	40.85
65	16.26
75	1.04
85	0.02
90	0.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%			
	70%	50%	30%	10%	70%	50%	30%	10%	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	100	100
1	113	110	108	105	111	108	106	104	104	104	102	100	99	97	97	96	96	96	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	88	87	87	87	87	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	83	83	83	80	79	79	79	79
4	96	88	82	78	94	87	81	77	85	80	76	82	78	75	81	77	74	74	74	73	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68	68	68	68	68	68	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	64	64	64	64	64	64	64
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59	59	59	59
8	78	68	62	58	77	67	62	57	66	61	57	65	60	57	64	60	57	55	55	55	55	55	55	55
9	74	64	58	54	73	64	58	54	63	57	54	62	57	54	61	57	53	52	52	52	52	52	52	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49	49	49	49	49	49	49

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL507-900L-DIMTR-120-27K-90-CL-WH

INPUT WATTS: 11.5957

LUMENS: 1048

CRI: 90

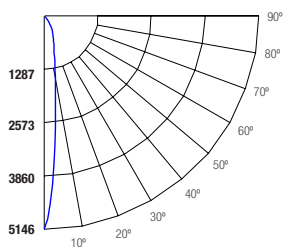
EFFICACY: 90

CCT: 2700K

TEST NO.: EL09111975

SPACING CRITERIA: 0.32

Candle Power Distribution (Candelas)



Cone of Light				
2	1276	0.5	0.5	
4	319	1	1	
6	142	1.5	1.5	
8	79.8	2.1	2.1	
10	51	2.6	2.6	
12	35.4	3.1	3.1	
(FT.) Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread	

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	583.92	55.70	55.70
0-30	844.15	80.60	80.60
0-40	1011.52	96.50	96.50
0-60	1045.47	99.80	99.80
0-80	1047.03	99.90	99.90
0-90	1047.04	99.90	99.90

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	10592	11095	12127
55°	5347	6040	6833
65°	138	154	275
75°	26	40	66
85°	79	39	79

Lumens Per Zone

Zone	Lumens
0-10	273.07
10-20	310.85
20-30	260.23
30-40	167.36
40-50	24.16
50-60	9.78
60-70	1.51
70-80	0.05
80-90	0.02

Candela Tabulation

0	0
0	5104.74
5	3119.83
15	1011.64
25	537.76
35	251.22
45	21.88
55	8.96
65	0.17
75	0.02
85	0.02
90	0.01

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	
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	98	97	95	95	
	2	110	105	102	99	107	104	100	96	100	98	96	98	95	94	95	93	92	92	90	90	
	3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	85	85		
	4	101	94	90	86	99	93	89	85	91	87	84	89	86	84	87	85	83	81	81		
	5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77	77		
	6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74	74		
	7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70	70		
	8	86	78	73	70	85	77	73	69	76	72	69	76	72	69	75	71	69	67	67		
	9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65	65		
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62	62			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL507-1200L-DIMTR-120-27K-90-W-WH

INPUT WATTS: 13.9332

LUMENS: 1202

CRI: 90

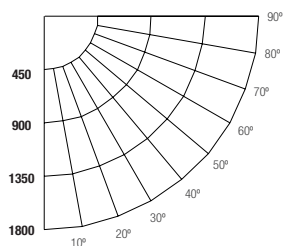
EFFICACY: 86

CCT: 2700K

TEST NO.: EL09111971

SPACING CRITERIA: 0.72

Candle Power Distribution (Candelas)



Cone of Light				
2	448	1.5	1.5	
4	112	3	3	
6	49.7	4.5	4.5	
8	28	5.9	5.9	
10	17.9	7.4	7.4	
12	12.4	8.9	8.9	
(FT.) Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread	

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	470.95	39.20	39.20
0-30	791.44	65.80	65.80
0-40	1023.45	85.10	85.10
0-60	1167.78	97.20	97.20
0-80	1200.88	99.90	99.90
0-90	1200.91	99.90	99.90

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	43714	44595	48554
55°	35312	35885	37640
65°	19067	20306	23497
75°	1918	2963	5396
85°	79	79	79

Lumens Per Zone

Zone	Lumens
0-10	150.25
10-20	320.70
20-30	320.49
30-40	232.00
40-50	88.59
50-60	55.74
60-70	28.35
70-80	4.74
80-90	0.02

Candela Tabulation

0	0
0	1790.10
5	1607.31
15	1085.99
25	645.28
35	339.91
45	90.30
55	59.17
65	23.54
75	1.45
85	0.02
90	0.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%	
----	-----	--

RL507- **A** - **B** - **C** - **D** -CL-WH



Photometric Multiplier 1.0

CL-WH

Clear- White

RL507- **A** - **B** - **C** - **D** -SN-WH

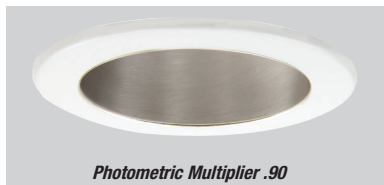


Photometric Multiplier .87

SN-WH

Satin Nickel- White

RL507- **A** - **B** - **C** - **D** -SHZ-WH



Photometric Multiplier .90

SHZ-WH

Satin Haze-White

RL507- **A** - **B** - **C** - **D** -CL-CH



Photometric Multiplier 1.0

CL-CH

Clear-Chrome

RL507- **A** - **B** - **C** - **D** -MB-BK



Photometric Multiplier .77

MB-BK

Black-Black

RL507- **A** - **B** - **C** - **D** -W-WH



Photometric Multiplier .95

W-WH

White-White

RL507- **A** - **B** - **C** - **D** -SN-SN

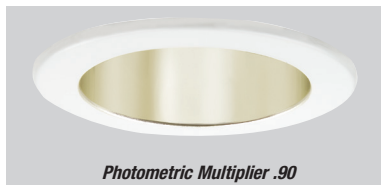


Photometric Multiplier .87

SN-SN

Satin Nickel- Satin Nickel

RL507- **A** - **B** - **C** - **D** -RG-WH

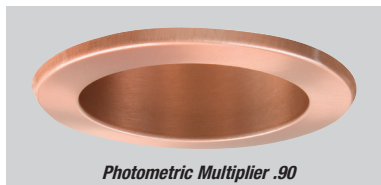


Photometric Multiplier .90

RG-WH

Gold-White

RL507- **A** - **B** - **C** - **D** -CP-CP



Photometric Multiplier .90

CP-CP

Copper-Copper

RL507- **A** - **B** - **C** - **D** -BZ-BZ



Photometric Multiplier .87

BZ-BZ

Bronze-Bronze

RL507- **A** - **B** - **C** - **D** -CL-BK

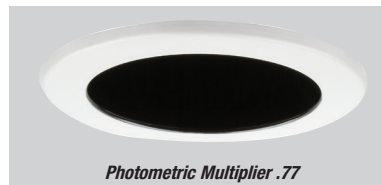


Photometric Multiplier 1.0

CL-BK

Clear- Black

RL507- **A** - **B** - **C** - **D** -MB-WH



Photometric Multiplier .77

MB-WH

Black-White

RL507- **A** - **B** - **C** - **D** -CL-SN



Photometric Multiplier 1.0

CL-SN

Clear-Satin Nickel

LED

5"

5 INCH LED RETROFIT MODULE

