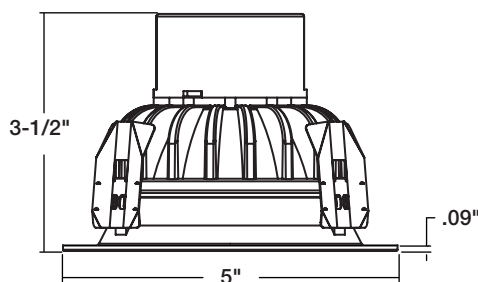




### DIMENSION



### 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 friction blades, installs in most 4" incandescent downlights. Insert friction blades into can and press trim to ceiling.

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
- TUV Safety Tested

### 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 4" incandescent downlights by using our unique Edison adapter.

Over 900 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 50W BR20 and 25% less than the common 13W 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 (LD4 Only)	50/60Hz	<20%	>0.9	10W (+/-5%)	650
120 / 277 (LD4 Only)	50/60Hz	<20%	>0.9	14W (+/-5%)	900

### FEATURES

Greater light output than a 13W CFL or a 50W BR20 while consuming less than 10W 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 900 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 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). Dimmer control must have same AC input rating as the dimmable power supply driver it connects to. Other electronic low voltage dimmers may be compatible, but have not been tested by Elite LED Lighting.

### INTERCHANGEABLE

The Elite **LED Module** system works in our dedicated (LD4IC-AT, LD4-AT, LD4R-AT) housings and our existing 4" incandescent housings (or standard B4IC-AT, B4-AT and B4R-AT - 120V Only) but is also suitable for use in most 4" 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 4" downlight housings and most other 4" downlight housings.

### OUR WORD

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

LED

4"

4 INCH LED RETROFIT MODULE

# RL422

## 4" - 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: **RL422-650L-DIMTR-120-30K-90-W-WH-WH**

TYPE	650L SERIES	900L SERIES	CCT	CRI	FINISH	COVER	OPTION
RL422 (Reflector Wall Wash)	<input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-277 (Non Dimmable)	<input type="checkbox"/> 900L-DIMTR-120 <input type="checkbox"/> 900L-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-SN <input type="checkbox"/> RG-WH <input type="checkbox"/> CL-BK <input type="checkbox"/> CL-SN <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"/> SN-WH <input type="checkbox"/> SHZ-WH	<input type="checkbox"/> WH <input type="checkbox"/> SN	<input type="checkbox"/> GU24SA GU24 SOCKET ADAPTER
Lumens may vary based on the trim colors. See IES files for output lumens of each.							
<b>Ordering Guide for Compatible Housing</b>							
IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel				
LD4IC-AT	LD4-AT	LD4RIC-AT	LD4R-AT				
HLD4IC-AT	HLD4-AT		HLD4R-AT				
B4IC-AT	B4-AT		B4R-AT				

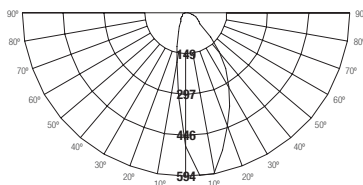
### \*RECOMMENDED DIMMERS FOR ELITE -RL422

LUTRON DIMMERS		LEVITON DIMMERS
DIMTR		DIMTR
Diva DVCL-153P	Maestro MRF2-6ND	IllumaTech IPE04
Skylark CTCL-153P	NovaT NTLV-600	Sureslide 6633
Nova N-600	Diva DVELV-300P	Acenti
NovaT NT-600	Skylark SELV-300P	Vizia+
Skylark S-600	Nova NELV-450	
Ariadni AY-600P		
Nova NTLV-600		
Nova NLV-600		

**RL422-650L-DIMTR-120-85-40K-W-WH**

INPUT WATTS: **10.3** LUMENS: **435** CRI: **85+** EFFICACY: **42.2** CCT: **4000K** TEST NO.: **EL-0913121**

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	130.18	30.10	29.90
0-30	229.08	53.00	52.60
0-40	313.32	72.50	72.00
0-60	395.77	91.60	91.00
0-80	430.43	99.60	98.90
0-90	435.12	100.70	100.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20319	21416	12758
55	10759	10938	6092
65	11624	8916	5831
75	12461	12004	5407
85	12709	12392	346

#### Lumens Per Zone

Zone	Lumens
0-10	40.74
10-20	89.45
20-30	98.89
30-40	84.25
40-50	54.24
50-60	28.21
60-70	20.81
70-80	13.86
80-90	4.69

#### Candela Tabulation

0	1	2	3	4	5	6	7	8	9
0	481	594	516	369	234	114	49	39	25
10	85	8	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%	0%			
ROOM CAVITY RATIO	0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101			
	1	112	109	105	102	110	106	103	101	102	100	98	98	96	95	95	93	92	90			
	2	105	99	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			
	3	98	90	84	79	96	89	83	78	86	81	77	83	79	75	81	77	74	72			
	4	92	83	76	70	90	81	75	70	79	74	69	77	72	68	75	71	67	66			
	5	86	76	69	64	85	75	68	63	73	67	63	71	66	62	70	65	62	60			
	6	81	71	63	58	80	70	63	58	68	62	58	67	61	57	65	60	57	55			
	7	77	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	52	51			
	8	73	61	54	50	71	61	54	49	60	54	49	58	53	49	57	52	49	47			
	9	69	58	51	46	67	57	50	46	56	50	46	55	50	46	54	49	45	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41				

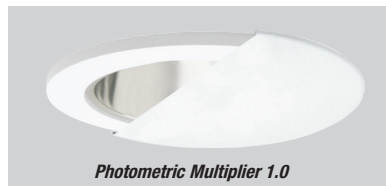
RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

# RL422

## 4" LED RETROFIT DIE-CAST ALUMINUM LENSED REFLECTOR

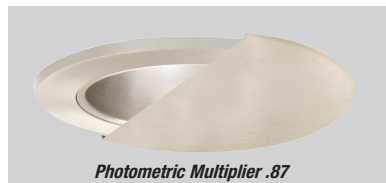
RL422- **A** - **B** - **C** - **D** -CL-WH



**CL-WH-E**

Chrome- White

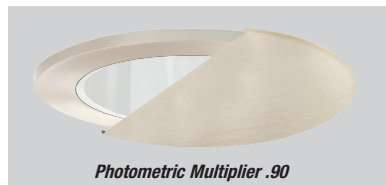
RL422- **A** - **B** - **C** - **D** -SN-SN



**SN-SN-E**

Satin Nickel- Satin Nickel

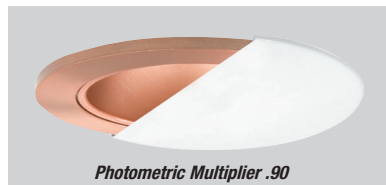
RL422- **A** - **B** - **C** - **D** -CL-SN



**CL-SN-E**

Clear-Satin Nickel

RL422- **A** - **B** - **C** - **D** -CP-CP



**CP-CP-E**

Copper-Copper

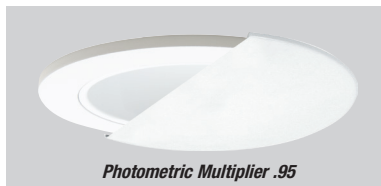
RL422- **A** - **B** - **C** - **D** -SN-WH



**SN-WH-E**

Satin Nickel-White

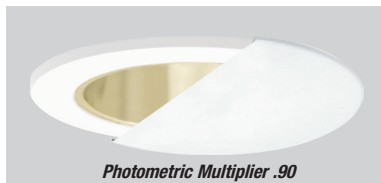
RL422- **A** - **B** - **C** - **D** -W-WH



**W-WH-E**

White-White

RL422- **A** - **B** - **C** - **D** -RG-WH



**RG-WH-E**

Gold- White

RL422- **A** - **B** - **C** - **D** -MB-WH



**MB-WH-E**

Black-White

RL422- **A** - **B** - **C** - **D** -RG-PB



**RG-PB-E**

Gold-Polish Brass

RL422- **A** - **B** - **C** - **D** -SHZ-WH



**SHZ-WH-E**

Satin Haze-White

RL422- **A** - **B** - **C** - **D** -BZ-BZ



**BZ-BZ-E**

Bronze-Bronze

RL422- **A** - **B** - **C** - **D** -CL-BK



**CL-BK-E**

Chrome- Black

RL422- **A** - **B** - **C** - **D** -CL-CH



**CL-CH-E**

Clear-Chrome

RL422- **A** - **B** - **C** - **D** -MB-BK



**MB-BK-E**

Black-Black



(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) WALL WASH COVER
<input type="checkbox"/> 650L	<input type="checkbox"/> DIMTR-120 <input type="checkbox"/> 277 (non dimmable)	<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"/> WH <input type="checkbox"/> SN
LED (Retrofit) Die-cast Aluminum Lensed Reflector Wall Wash				
See ordering chart for compatible housing on page 354, 355, 356 & 357				

