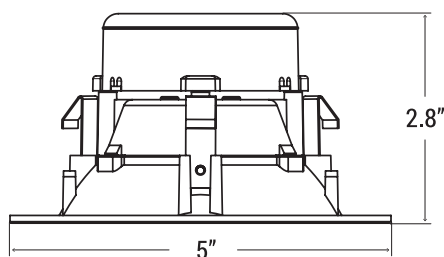




DIMENSION



INSTALLATION

Ez connector to use with special High efficacy housing or Edison base adapter for retrofitting into existing 4" incandescent housings.

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

- cULus
- ENERGY STAR
- LM79 Report
- California Title 24

ENGINEERED FOR VERSATILITY AND PERFORMANCE

The Elite RL485 has been engineered for New Construction, Remodel and Retrofit applications for 4 inch downlights. Dedicated housings install the same way as our standard incandescent downlights. Over 1000 usable lumens are directed from the luminaire to the work surface. Lighting is smooth and comfortable, all while using 80% less energy than the equivalent 50W BR20 and 25% less than the common 13W CFL. Plus the Elite RL485 features 50,000hrs of life, and California Title-24 compliance.

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	60Hz	<20%	0.95	10W (+/-5%)	650

FEATURES

Greater light output than an 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 1000 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.

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 RL485 light output will be maintained at 70% of initial at 50,000 hours of operation. Our LED driver is rated for 50 to 60 Hz at 120V input, 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 RL485 Module is engineered for quality. All Elite LED luminaires are rated at 85+ and 90+ CRI, also 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 RL485 lighting system is dimmable down to 10% by using an approved incandescent dimmer or select electronic low voltage dimmers when ordered with DIMTR-120 option.

INTERCHANGEABLE

The Elite RL485 LED system works in our dedicated (LD4IC-AT, LD4RIC-AT) housings and our existing 4" incandescent housings (B4IC-AT, B4-AT, B4RIC-AT, B4R-AT) but is also suitable for use in most 4" recessed downlight housings.

ADAPTABLE

All Elite RL485 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. GU24 style socket base adapters also available upon request.

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 SQUARE MODULE

4" LED RETROFIT SQUARE TRIM DOWNLIGHT

Ordering Guide for Compatible Housing

			
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

EXAMPLE: RL485-650L-DIMTR-120-30K-90-W-WH

TYPE	LUMEN	CCT	CRI	FINISH
RL485	☐ 650L-DIMTR-120	☐ 27K ☐ 30K ☐ 40K	☐ 90+	☐ W-WH ☐ BK-BK

RL485-650L-DIMTR-120-30K-90-W-WH

INPUT WATTS: **9.5**

LUMENS: **638**

CRI: **85+**

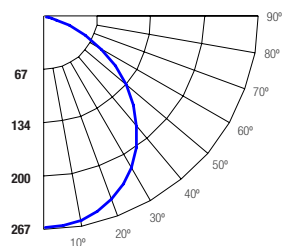
EFFICACY: **67**

CCT: 3000K

TEST NO.: **EL105816**

SPACING CRITERIA: 1.32

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	96.89	15.20	15.20
0-30	204.15	32.00	32.00
0-40	329.69	51.80	51.70
0-60	550.61	86.40	86.30
0-80	631.99	99.20	99.10
0-90	638.02	100.20	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	28222	27900	26640
55	23856	23424	22534
65	16684	17410	15569
75	6918	7321	9920
85	4184	6506	10185

Lumens Per Zone

Zone	Lumens
0-10	25.21
10-20	71.68
20-30	107.27
30-40	125.54
40-50	122.15
50-60	98.77
60-70	59.09
70-80	22.29
80-90	6.04

Candela Tabulation

	<u>Q</u>
0	267.08
5	266.00
15	255.38
25	234.45
35	202.49
45	158.72
55	108.83
65	56.08
75	14.24
85	2.90
90	0.22

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM	CAVITY	RATIO	80%				70%				50%				30%			10%			0%
			RC	RW			RC	RW			RC	RW			RC	RW		RC	RW		RC
			70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	1	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	102	107	
1	110	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	80	
2	101	94	88	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	74	74	
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	63	63	63	
4	85	74	66	60	83	73	65	59	70	64	59	68	62	58	66	61	57	55	55	55	
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48	48	48	
6	70	63	54	46	71	59	51	46	58	50	45	56	50	45	50	49	44	43	43	43	
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38	38	38	
8	63	50	42	36	61	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34	
9	59	46	38	33	58	46	38	33	44	38	33	43	37	32	42	37	32	31	31	31	
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28	28	28	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

4'

4 INCH LED RETROFIT SQUARE MODULE