

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
600	544	10W

Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

## FEATURES

The Elite RL417 has been engineered for standard junction boxes. Lights turns ON/OFF when movement is detected. Over 600 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 RL417 features 50,000 hours of life, and California Title-24 compliance.

LUMENS	600
CCT	30K, 40K
CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipse
FINISH	WH (White)
LIFETIME	50,000 Hours

## 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 600 lumens! Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution.

## DURABILITY

Flame retardant PC body and heat management system are engineered for extremely long life and service period. Without proper heat management, any LED luminaire will fail. Life tests have shown the Elite RL417 light output will be maintained at 70% of initial at 50,000 hours of operation.

## REPEATABLE

Repeatability means quality. From our chip selection process, to our driver, to the thermal management, the Elite RL417 Module is engineered for quality. All Elite LED luminaires are rated at 90+ CRI, as rated and tested to LM-79 and LM-80 standards by a certified laboratory. Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light.

## INTERCHANGEABLE

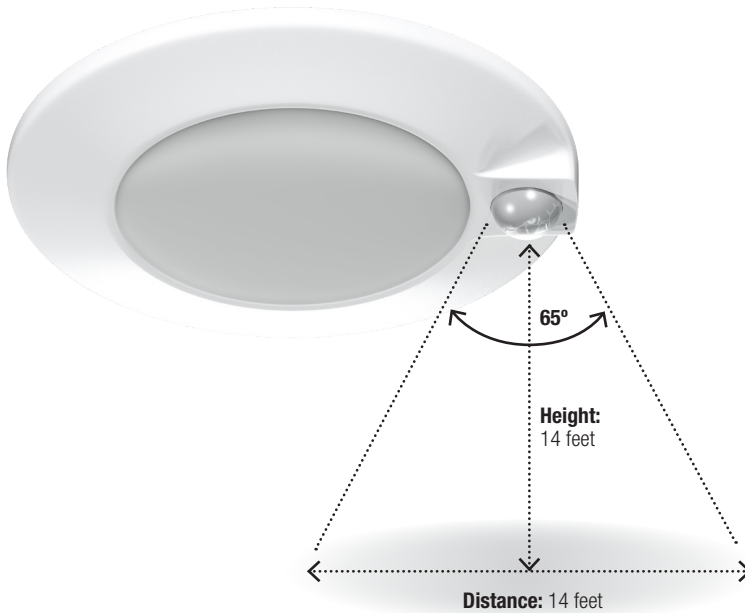
The Elite RL417 LED system fits in most junction boxes.

## OUR WORD

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

## EXAMPLE: RL417-600L-120-30K-90-W-WH

TYPE	LUMEN	CCT	CRI	FINISH	OPTIONS
RL417	<input type="checkbox"/> 600L-120	<input type="checkbox"/> 30K <input type="checkbox"/> 40K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH-White	<input type="checkbox"/> GU24SA GU24 SOCKET ADAPTER

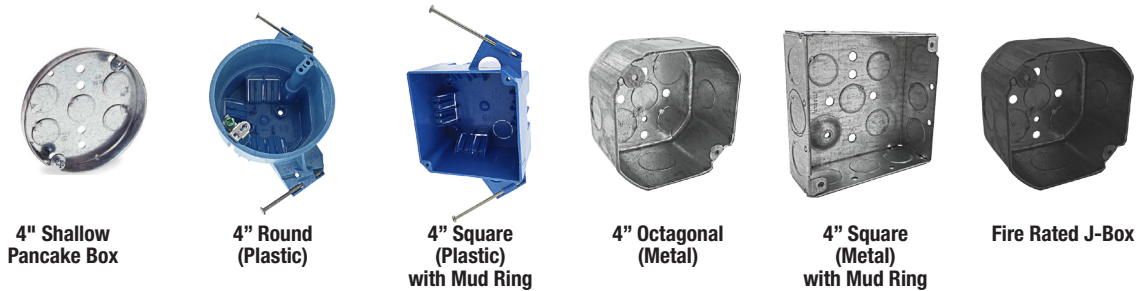


### PIR Motion Sensor

Turn on when detecting movement, not only in dark, but also daytime. Turn off after 30 seconds (customized is also available) delay if no more motion

- Flame Retardant PC material
- Input voltage: AC 120V 50/60Hz
- The light features a 10 Watt LED module, making it the energy efficient, popular alternative to incandescent and CFL fixtures
- It is easy to install with keyholes for multiple ceiling box configurations
- Designed for indoor use only

### UNIT FITS MOST 4" JUNCTION BOXES



**Note:** A 2-1/8" deep octagon junction box is recommended for through circuit wiring applications.

### RL417-600L-120-30K-90-WH

INPUT WATTS: **9.7**

LUMENS: **544**

CRI: **90+**

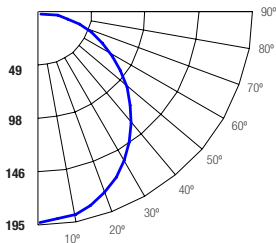
EFFICACY: **56**

CCT: **3000K**

TEST NO.: **EL081898**

SPACING CRITERIA: **1.34**

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	70.48	13.00	12.90
0-30	148.30	27.30	27.20
0-40	240.25	44.20	44.10
0-60	417.17	76.70	76.60
0-80	524.52	96.40	96.30
0-90	544.49	100.10	100.00

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

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	9340	9459	9510
55	8859	8940	9234
65	8460	8610	8990
75	8054	8680	9396
85	10318	12801	13687

#### Lumens Per Zone

Zone	Lumens
0-10	18.36
10-20	52.12
20-30	77.82
30-40	91.95
40-50	93.31
50-60	83.61
60-70	65.17
70-80	42.18
80-90	19.97

#### Candela Tabulation

0	195.20
5	192.41
15	185.12
25	168.87
35	146.82
45	120.58
55	92.78
65	65.28
75	38.06
85	16.42
90	0.30

#### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light		
4.0	12.2 fc	11 ft
8.0	3.05 fc	21.9 ft
12.0	1.36 fc	32.9 ft
16.0	0.76 fc	43.9 ft
20.0	0.49 fc	54.9 ft
24.0	0.34 fc	65.8 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter
BEAM DIA. MEASURED AT 50° OF NADIR F.C.		

		80%				70%				50%				30%				10%				0%
		70%	50%	30%	10%	70%	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	100			
	1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82			
	2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68			
	3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	59	57			
	4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49			
	5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42			
	6	70	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37			
	7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33			
	8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29			
	9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance