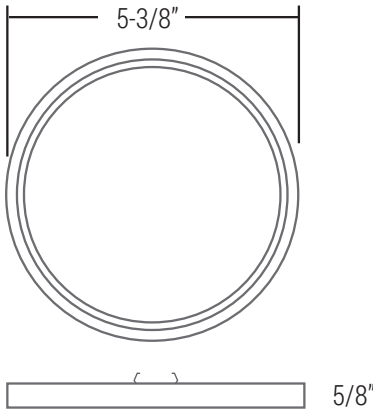


EASY 3 COLORS  
**SELECCTOR**  
3000K • 4000K • 5000K



**FEATURES**

The Elite RL591 LED Slim Surface Mount has been engineered to install into most standard junctionboxes. Up to 600 usable lumens are directed from the luminaire to the work surface. Easy to install, applicable to junction box or recessed can installation.

LUMENS	600
CCT	30K/40K/50K
CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipse
DIMMING	DIMTR ( Triac Dimming)
FINISH	WH (White), BK (Black), SN (Satin Nickel), BZ (Bronze)
LIFETIME	50,000 Hours

**OPTICS**

The Elite 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 up to 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.

**DIMMING**

Intended for Triac (120V) based on configuration. Minimum 90°C supply conductors.

**COMPLIANCE**

Non-conductive fixture for shower light application. Product complies with the requirements of the California Energy Commission regulated under Title 24.

**LISTING**

ETL listed for damp location (wet location - with covered ceilings)  
Energy Star certified

**WARRANTY**

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

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
600	632	10W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

**INSTALLATION**

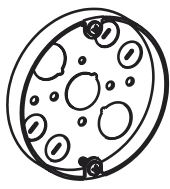
Cut hole in ceiling. Insert luminaire into opening by squeezing spring clips on both sides of luminaire. The width in ceiling needed for the driver to fit is 3".

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.

EXAMPLE: **RL591-600L-DIMTR-120-30K/40K/50K-90-WH**

TYPE	LUMEN	CCT	CRI	FINISH
RL591	<input type="checkbox"/> 600L-DIMTR-120	<input type="checkbox"/> 30K/40K/50K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH-White (standard) <input type="checkbox"/> RL591-RT-BK* - Black Ring <input type="checkbox"/> RL591-RT-SN* - Satin Nickel Ring <input type="checkbox"/> RL591-RT-BZ* - Bronze Ring *Order separate



**MOUNTING**

**Pancake J-Box (Metal)**

**3.5" Round (Plastic)**

**4" Square (Plastic)**

**4" Octagonal (Metal)**

**4" Square (Metal)**

**Fire Rated J-Box**

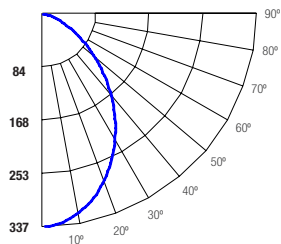
**Note:** A 2-1/8" deep octagon junction box is recommended for through circuit wiring applications. Use mud ring if applicable.

**RING COLORS**

**RL591-RT-BK**  
Black

**RL591-RT-SN**  
Satin Nickel

**RL591-RT-BZ**  
Bronze

**RL591-600L-DIMTR-120-30K/40K/50K-90-WH**
**TEST NO.: EL06211961**
**INPUT WATTS: 10.2603**
**LUMENS: 632**
**CRI: 90**
**EFFICACY: 62**
**CCT: 4000K**
**SPACING CRITERIA: 1.18**
**Candle Power Distribution (Candelas)**

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	118.63	18.80	18.80
0-30	241.74	38.20	38.20
0-40	374.75	59.30	59.30
0-60	576.98	91.20	91.20
0-80	631.67	99.90	99.90
0-90	631.83	99.90	99.90

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

Angle in Degrees	Average		
	0°	45°	90°
45	853	906	1021
55	587	652	791
65	283	359	523
75	0	7	176
85	1	1	1

**Lumens Per Zone**

Zone	Lumens
0-10	31.50
10-20	87.13
20-30	123.11
30-40	133.02
40-50	117.71
50-60	84.51
60-70	44.26
70-80	10.43
80-90	0.16

**Candela Tabulation**

θ	Candela
0	335.31
5	329.37
15	299.57
25	252.02
35	193.20
45	130.55
55	72.89
65	25.88
75	0.02
85	0.02
90	0.03

**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	100					
	1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89					
	2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77					
	3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68					
	4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					
	5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					
	6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47					
	7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42					
	8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38					
	9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35					
	10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	34	32					

Cone of Light			
Beam Dia.	(FT.) Distance to Plane	(FT.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread
2	83.8	3.7	3.7
4	21	7.3	7.3
6	9.31	11	11
8	5.24	14.7	14.7
10	3.35	18.4	18.3
12	2.33	22	22

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance