

FEATURES

The Elite RL677 has been engineered for standard junctions boxes. Over 1000 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 Incandescent. Plus the Elite RL677 features 50,000 hours of life, and California Title-24 compliance. Greater light output than a 26W CFL or a 65W BR30 while consuming less than 15W of power.

LUMENS	1000
CCT	27K, 30K, 40K
CRI	90+
COLOR QUALITY	3 Step MacAdam Ellipses
TRIM	Cast aluminum trim
FINISH	White, Satin Nickel
DIMMING	DIMTR (Triac)
LIFETIME	50,000 Hours

- California Title-24 compliance
- Dimmable
- 50,000 Hours Life
- 5 Year Warranty

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1000	1237	15W

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

EXAMPLE: **RL677-1000L-DIMTR-120-30K-90-W-WH**

TYPE	LUMEN	CCT	CRI	FINISH	OPTIONS
RL677	☐ 1000L-DIMTR-120	☐ 27K ☐ 30K ☐ 40K	☐ 90+	☐ WH ☐ SN	☐ GU24SA GU24 SOCKET ADAPTER

COMPATIBLE JUNCTION BOXES



4" Shallow
Pancake Box



4" Round
(Plastic)



4" Octagonal
(Metal)



Fire Rated J-Box

INSTALLATION

- Cut hole in ceiling and snap fixture in opening with attached spring clips. Space in ceiling needed for the driver to fit through the ceiling height 2".

PHOTOMETRIC

RL677-1000L-DIMTR-120-40K-90-W-WH

INPUT WATTS: **14.9694**

LUMENS: **1237**

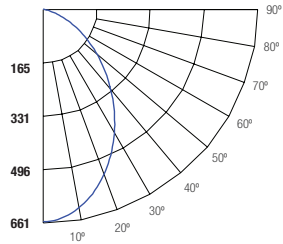
CRI: **90**

EFFICACY: **83**

CCT: **4000K**

SPACING CRITERIA: **1.16**

Candle Power Distribution (Candelas)



Cone of Light			
2	165	3.5	3.5
4	41.2	7	7
6	18.3	10.5	10.5
8	10.3	14	14
10	6.6	17.5	17.5
12	4.58	21	21
(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	230.77	18.60	18.60
0-30	465.46	37.60	37.60
0-40	715.55	57.80	57.80
0-60	1102.65	89.10	89.10
0-80	1234.26	99.70	99.70
0-90	1235.63	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	132942	135072	140890
55	102612	105375	111970
65	69956	73204	80567
75	34096	37402	45311
85	157	157	157

Lumens Per Zone

Zone	Lumens
0-10	61.76
10-20	169.01
20-30	234.69
30-40	250.09
40-50	222.04
50-60	165.05
60-70	96.16
70-80	35.45
80-90	1.37

Candela Tabulation

0	
0	659.59
5	651.01
15	593.77
25	499.51
35	387.41
45	274.62
55	171.94
65	86.37
75	25.78
85	0.04
90	0.06

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%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88			
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76			
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66			
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	56	79	68	61	55	66	60	55	64	59	54	63	58	54	52			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41			
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	37			
9	62	49	42	36	60	49	41	36	48	41	36	46	40	36	45	40	36	34			
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance