

FEATURES

The Elite RL677 has been engineered for standard junction boxes. Over 850 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 12W of power.

LUMENS	850
CCT	27K, 30K, 40K
CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipse
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
- Wet Location

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
850	971	14 W

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

INSTALLATION

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: **RL677-850L-DIMTR-120-30K-90-W-WH**

TYPE	LUMEN	CCT	CRI	FINISH	OPTIONS
RL677	<input type="checkbox"/> 850L-DIMTR-120	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 40K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH	<input type="checkbox"/> GU24SA GU24 SOCKET ADAPTER



COMPATIBLE JUNCTION BOXES



4" Shallow Pancake Box



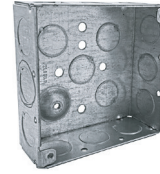
4" Round (Plastic)



4" Square (Plastic)



4" Octagonal (Metal)



4" Square (Metal) with Mud Ring



Fire Rated J-Box

RL677-850L-DIMTR-120-30K-90-WH

TEST NO.: **EL05082054**

INPUT WATTS: **14.5**

LUMENS: **971**

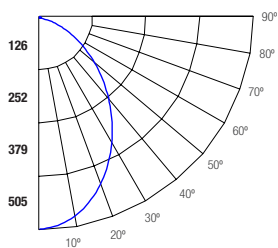
CRI: **90**

EFFICACY: **67**

CCT: **3000K**

SPACING CRITERIA: **1.16**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	176.68	18.2	18.2
0-30	357.28	36.8	36.8
0-40	550.97	56.7	56.7
0-60	853.41	87.8	87.8
0-80	958.99	98.7	98.7
0-90	959.48	98.8	98.8

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	17575	16980	16727
55	14134	13397	13050
65	10492	9616	9121
75	6596	5595	5057
85	75	57	19

Lumens Per Zone

Zone	Lumens
0-10	47.21
10-20	129.47
20-30	180.6
30-40	193.69
40-50	173.05
50-60	129.39
60-70	76.21
70-80	29.38
80-90	0.49

Candela Tabulation

0	
0	504.54
5	499.71
15	461.32
25	394.28
35	312.02
45	226.91
55	148.02
65	80.96
75	31.17
85	0.12
90	0.44

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC RW	80%				70%				50%			30%			10%			0%	
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	0%
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99		
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	90	89	87		
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75		
3	94	85	78	72	92	83	77	71	80	75	70	77	73	69	75	71	68	65		
4	87	76	69	63	85	75	68	62	72	66	61	70	65	60	68	63	59	57		
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	51	47	45		
7	70	57	49	44	68	57	49	44	55	48	43	54	47	43	52	47	42	41		
8	65	53	45	40	64	52	45	39	51	44	39	49	43	39	48	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	32	42	36	32	31		

RC - Ceiling Cavity Reflectance

Cone of Light			
2	126 fc	3.6 ft	3.6 ft
4	31.5 fc	7.1 ft	7.1 ft
6	14.0 fc	10.7 ft	10.7 ft
8	7.88 fc	14.3 ft	14.3 ft
10	5.05 fc	17.8 ft	17.8 ft
12	3.50 fc	21.4 ft	21.4 ft

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