

FEATURES

The Elite RL677 has been engineered for standard junctions 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 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

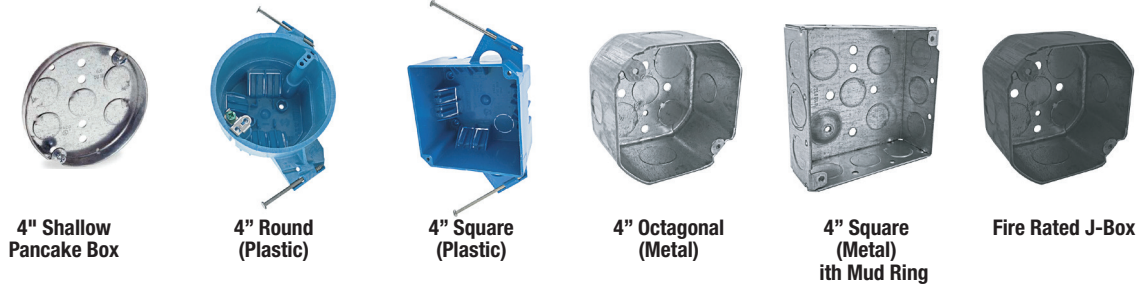
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
850	952	14W

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

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



INSTALLATION

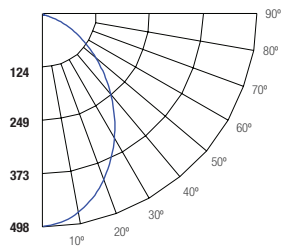
- Cut hole in ceiling and snap fixture in opening with attached spring clips. Space in ceiling needed for the driver to fit through the ceiling height 2".

PHOTOMETRIC

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

INPUT WATTS: **14.4264** LUMENS: **952** CRI: **90** EFFICACY: **66** CCT: **3000K** SPACING CRITERIA: **1.16**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	174.06	18.30	18.30
0-30	352.03	37.00	37.00
0-40	542.88	57.00	57.00
0-60	840.24	88.20	88.20
0-80	943.86	99.10	99.10
0-90	945.30	99.20	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	100057	102357	108020
55	76980	79767	86296
65	52000	55798	63096
75	26372	31094	39042
85	196	157	157

Lumens Per Zone

Zone	Lumens
0-10	46.50
10-20	127.56
20-30	177.97
30-40	190.85
40-50	170.29
50-60	127.07
60-70	74.65
70-80	28.97
80-90	1.44

Candela Tabulation

0	0
0	497.03
5	489.02
15	445.80
25	375.38
35	291.77
45	206.69
55	128.99
65	64.20
75	19.94
85	0.05
90	0.07

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%	50%	30%	10%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99	99	99
	1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87	87	87	87	87	87
	2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	83	80	78	76	76	76	76	76	76
	3	94	85	78	72	92	83	77	72	80	75	70	78	73	69	75	71	68	66	66	66	66	66	66
	4	87	76	69	63	85	75	68	62	73	66	61	70	65	60	68	63	60	58	58	58	58	58	58
	5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51	51	51
	6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	52	47	45	45	45	45	45	45
	7	70	58	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41	41	41
	8	65	53	45	40	64	52	45	40	51	44	39	50	43	39	48	43	39	37	37	37	37	37	37
	9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	39	35	34	34	34	34	34	34
	10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31	31	31	31	31	31

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light			
2	124	3.6	3.6
4	31.1	7.1	7.1
6	13.8	10.7	10.7
8	7.77	14.3	14.2
10	4.97	17.8	17.8
12	3.45	21.4	21.4
(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.