

Fits square J-Box with min. 2.125" depth

FEATURES

The Elite RL670 has been engineered for New Construction, Remodel and Retrofit applications for 6 and 5 inch downlights as well as applications in standard junctions boxes.

LUMENS	1000
CCT	27K, 30K, 35K, 40K, 50K
CRI	90+
COLOR QUALITY	3 Step MacAdam Ellipses
TRIM	Cast aluminum trim
REFLECTOR COLORS	W-WH
FLANGE COLORS	W-WH
DIMMING	DIMTR (Triac)
LIFETIME	50,000 Hours

- California Title-24 compliance
- Fits in most 6 and 5 inch downlight housings and junction boxes
- Energy Star Certified
- Die-cast aluminum housing
- Dimmable
- Fast and easy to install in limited space locations
- 50,000 Hours Life
- 5 Year Warranty

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1000	1244	14W

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

EXAMPLE: RL670-1000L-DIMTR-120-30K-90-W-WH

TYPE	LUMEN	CCT	CRI	FINISH	RING TRIM	OPTIONS
RL670	<input type="checkbox"/> 1000L-DIMTR-120 <input type="checkbox"/> 1000L-DIMTR-MVOLT <input type="checkbox"/> 1000L-DIM10-MVOLT	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K	<input type="checkbox"/> 90+	<input type="checkbox"/> W-WH	<input type="checkbox"/> RL670-RT-BK <input type="checkbox"/> RL670-RT-BZ <input type="checkbox"/> RL670-RT-SN	<input type="checkbox"/> GU24SA GU24 SOCKET ADAPTER

COMPATIBLE JUNCTION BOXES FOR RL670

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



3" / 4" Round
(Plastic)



3" / 4" Square
(Plastic)



3" / 4" Octagonal
(Metal)



4" Square (Metal)



Fire Rated J-Box

AVAILABLE COLOR INSERTS FOR RL670 - 6" RETROFIT

RING TRIM



RL670-RT-BKR



L670-RT-BZR



L670-RT-SN

ORDERING GUIDE FOR COMPATIBLE HOUSING

IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel	IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel
LD6IC, HLD6IC-AT,	LD6-AT, HLD6-AT, B6-AT	LD6RIC-AT	LD6R-AT, HLD6R-AT	LD5IC-AT	LD5-AT	LD5RIC-AT	LD5R-AT
LD600IC-AT, EZ6IC-AT		HLD6RIC-AT	B6R-AT	HLD5IC-AT	HLD5-AT	HLD5RIC-AT	HLD5R-AT
B6IC-AT, B6IC-100-AT		EZ6IC-AT		B5IC-AT	B5-AT	B5RIC-AT	B5R-AT
B600-IC		B6RIC-AT		B25IC-AT		B25RIC-AT	

RECOMMENDED DIMMERS FOR ELITE RL670 LED SYSTEM

LUTRON DIMMERS

DIMTR

Diva DVCL-153P
Skylark CTCL-153P
Nova N-600
NovaT NT-600
Skylark S-600
Ariadni AY-600P
Nova NTLV-600
Nova NLV-600

Maestro MRF2-6ND
NovaT NTELV-600
Diva DVELV-300P
Skylark SELV-300P
Nova NELV-450

PHOTOMETRIC

RL670-1000L-DIMTR-120-40K-90-WH

TEST NO.: **EL081865**

INPUT WATTS: **14.4**

LUMENS: **1244**

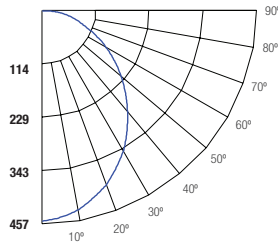
CRI: **90**

EFFICACY: **86**

CCT: **4000K**

SPACING CRITERIA: **1.32**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	164.91	13.30	13.30
0-30	345.70	27.80	27.80
0-40	557.19	44.80	44.80
0-60	957.30	76.90	76.90
0-80	1196.95	96.20	96.20
0-90	1244.05	100.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20781	20003	20140
55	19279	18411	18800
65	17850	17144	17368
75	17227	16211	17185
85	21774	22767	24162

Lumens Per Zone

Zone	Lumens
0-10	43.05
10-20	121.86
20-30	180.78
30-40	211.50
40-50	212.17
50-60	187.94
60-70	145.12
70-80	94.53
80-90	47.10

Candela Tabulation

Q	
0	456.74
5	453.04
15	429.86
25	388.02
35	332.27
45	268.30
55	201.90
65	137.74
75	81.41
85	34.65
90	1.01

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%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	106	102	102	102	102	100	100	100	100
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82	82	82	82	82	82	82
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68	68	68	68	68	68	68
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57	57	57	57	57	57	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49	49	49	49	49	49	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43	43	43	43	43	43	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37	37	37	37	37	37	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33	33	33	33	33	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30	30	30	30	30	30	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27	27	27	27	27	27	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24	24	24	24	24	24	24

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance