

Fits square J-Box with min. 2.125" depth

FEATURES

The Elite RL678 has been engineered for New Construction, Remodel and Retrofit applications for 6 and 5 inch downlights as well as applications in standard junction boxes. Dedicated housings install the same way as our standard incandescent downlights and include features such as adjustable, lockable and tilting bar hangers. 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 65W BR30 and 25% less than the common 18W CFL. Plus the Elite RL670 features 50,000 hours of life, and California Title-24 compliance.

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

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

LUMENS	DELIVERED LUMENS	WATTAGE
1000	1156	14W

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: **RL678-1000L-DIMTR-120-30K-90-W-WH**

TYPE	LUMEN	CCT	CRI	FINISH	OPTIONS
RL678	☐ 1000L-DIMTR-120	☐ 27K ☐ 30K ☐ 40K	☐ 90+	☐ W-WH	☐ GU24SA GU24 SOCKET ADAPTER



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

COMPATIBLE JUNCTION BOXES



4" Round
(Plastic)



4" Octagonal
(Metal)



Fire Rated J-Box

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

RECOMMENDED DIMMERS

LUTRON DIMMERS

DIMTR

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

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

INSTALLATION

- Comes with industry standard torsion springs or mounting clips that can be adjusted to fit in most junction boxes and most 6" and 5" downlight housings.
- Custom designed bracket included for mounting in standard size junction box.

PHOTOMETRIC

RL678-1000L-DIMTR-120-30K-90-WH

INPUT WATTS: **14.1277**

LUMENS: **1156**

CRI: **90**

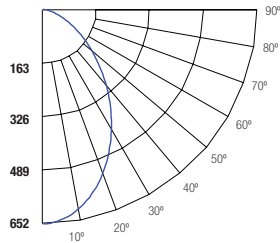
EFFICACY: **82**

CCT: **3000K**

TEST NO.: **EL08051912**

SPACING CRITERIA: **1.12**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	225.97	19.60	19.60
0-30	451.32	39.10	39.10
0-40	684.59	59.20	59.20
0-60	1028.41	89.00	89.00
0-80	1150.11	99.50	99.50
0-90	1153.83	99.80	99.80

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1620	1612	1669
55	1218	1221	1282
65	852	862	928
75	513	533	608
85	2	2	3

Lumens Per Zone

Zone	Lumens
0-10	60.80
10-20	165.17
20-30	225.35
30-40	233.27
40-50	199.70
50-60	144.12
60-70	85.07
70-80	36.63
80-90	3.72

Candela Tabulation

0	0
0	650.78
5	641.47
15	581.60
25	481.04
35	362.53
45	248.06
55	151.30
65	77.94
75	28.74
85	0.04
90	0.06

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	163	3.2	3.3
4	40.7	6.5	6.5
6	18.1	9.7	9.8
8	10.2	13	13
10	6.51	16.2	16.3
12	4.52	19.5	19.5
(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.

	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%	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	103	100	108	105	102	99	100	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	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67			
	4	88	77	70	64	85	76	69	63	73	67	62	71	66	62	69	65	61	59			
	5	81	70	62	56	78	69	61	56	67	60	55	65	59	55	63	58	54	52			
	6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47			
	7	71	58	51	45	69	58	50	45	56	49	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	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance