

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
900	923	10W

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



INSTALLATION

Elite LED Retrofits come standard with quick connectors ready for installation in Elite Lighting's LD series recessed housing that are Energy Star and Title 24 rated (LD6IC-AT, LD5IC, LD6IC-AT).

FEATURES

The RL664 is an adjustable retrofit LED module engineered for new construction and remodel applications for 6-inch downlights. Module can be adjusted up to 35 degrees vertically and rotated up to 359 degrees. Compatible with most 6" recessed housing for quick, easy installation fit for healthcare, hospitality, office, residential, and retail applications.

LUMENS	900
CCT	27K, 30K, 35K, 40K, 50K
CRI	90+
COLOR QUALITY	3 Step MacAdam Ellipses
TRIM	Aluminum die-cast body and trim
COLORS	WH (White), DBZ(Bronze)
DIMMING	DIMTR (Triac)
LIFETIME	L70 at 50,000 Hours
EMERGENCY	16W high voltage inverter (Installed into the housing)*
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

OPTICS AND REFLECTOR

High output perfect for high-ceiling applications. Module tilts up to 35 degrees vertically and rotates up to 359 degrees for precise, directional aiming.

CONSTRUCTION

Aluminum die-cast body and trim dissipates heat for excellent thermal management. Pre-installed clips on both sides of module provide a secure fit into housing. White baffle trim blends seamlessly into ceiling.

COMPATIBLE WITH ELITE 6" HOUSINGS

The Elite REL433 series works in Elite housings (LD6IC-AT, LD6RIC-AT) and existing 6" incandescent housings (B6IC-AT, EZ6IC-AT, B26IC-AT, B26RIC-AT, B6RIC-AT). Also suitable for use in most 6" recessed downlight housings.

SHIPPED WITH EDISON ADAPTER

Shipped standard with Edison adapter, allowing for direct installation into existing Elite 6" downlight housings and most other 6" downlight housings. GU24 socket base adapters available on request.

ELECTRICAL

Powered by high-quality constant-current power LED drivers rated for 50 to 60Hz at 120V input, produce less than 20% THD, and have a power factor between 0.90 and 1.00.

DIMMING & DRIVER INFORMATION

Dimmable down to 10% of full light output with an approved incandescent dimmer or select Electronic Low Voltage (ELV) dimmers when ordered with the DIMTR-120 option.

LISTINGS

Energy Star
cULus
RoHS
New York State
Washington State Energy Code (WSEC)
California Title 24
JA8

WARRANTY

Five-year warranty for parts and components (labor not included).

EXAMPLE: **RL664-900L-DIMTR-120-30K-90-W-WH**

TYPE	LUMEN	CCT	CRI	FINISH
RL664	☐ 900L-DIMTR-120	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90+	☐ WH-White ☐ DBZ-Dark Bronze

ACCESSORY: **GU24SA**

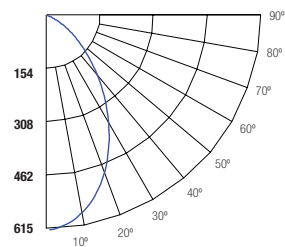
OPTIONS
 ☐ GU24SA - SOCKET FOR LED RETROFIT TO GU24 ☐ GU24SA - SOCKET FOR LED RETROFIT TO GU24

*Accessories order separate

EXAMPLE: **LD6IC-AT-DIMTR-120-M**

COMPATIBLE ELITE LIGHTING HOUSINGS			
 IC RATED		 IC RATED	
☐ LD6IC	☐ LD6-AT	☐ LD6RIC-AT	☐ LD6R-AT
☐ HLD6IC-AT	☐ HLD6-AT	☐ HLD6RIC-AT	☐ HLD6R-AT
☐ LD600IC-AT	☐ B6-AT	☐ EZ6IC-AT	☐ B6R-AT
☐ EZ6IC-AT		☐ B6RIC-AT	
☐ B6IC-AT			
☐ B6IC-100-AT			
☐ B600-IC			

*Housing order separate

RL664-900L-DIMTR-120-30K-90-WH
TEST NO.: EL07152041
INPUT WATTS: 9.9
LUMENS: 923
CRI: 90
EFFICACY: 93
CCT: 3000K
SPACING CRITERIA: 1.08
Candle Power Distribution (Candelas)

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	212.63	23	23
0-30	419.58	45.4	45.4
0-40	622.12	67.4	67.4
0-60	876.19	94.9	94.9
0-80	922.44	99.9	99.9
0-90	922.46	99.9	99.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	5297	5036	5219
55	3340	3118	3291
65	1550	1360	1551
75	118	114	174
85	5	5	5

Lumens Per Zone

Zone	Lumens
0-10	57.36
10-20	155.27
20-30	206.95
30-40	202.54
40-50	157.13
50-60	96.94
60-70	41.02
70-80	5.23
80-90	0.02

Candela Tabulation

0	0
0	612.21
5	604.24
15	544.79
25	437.31
35	308.73
45	188.37
55	96.34
65	32.95
75	1.53
85	0.02
90	0.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	212	2.5	2.5
3	56.2	4.9	4.9
5	24.5	7.4	7.3
7	13.6	9.9	9.8
8	8.89	12.2	12.2
10	6.12	14.8	14.7
(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.

ROOM CAVITY RATIO	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%			
0	1	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	2	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	3	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			
3	4	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71			
4	5	91	81	74	69	89	80	73	68	77	72	67	75	70	66	73	69	66	64			
5	6	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			
6	7	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52			
7	8	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47			
8	9	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43			
9	10	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10		62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance