



ENGINEERED FOR VERSATILITY AND PERFORMANCE

The Elite RL663 has been engineered for New Construction, Remodel and Retrofit applications for 6 inch downlights. Dedicated housings install the same way as our standard incandescent downlights. The module can be adjusted up to 35 degrees vertically and rotates up to 359 degrees.

Over 750 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 26W CFL. Plus the Elite RL663 features 50,000hrs of life, and California Title-24 compliance.

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	50/60Hz	<20%	>0.9	14W (+/-5%)	750

FEATURES

Greater light output than an 26W CFL or a 65W BR30 while consuming less than 14W of power. Fits in most 6 inch downlight housings. **Adjusts up to 35 degrees vertically.**

OPTICS

The Elite-Engineered LED Module system is much more than just a simple LED retrofit. The Elite LED system is a highly engineered work of design and optical science which produces over 750 lumens! Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution.

DURABILITY

Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Without proper heat management, any LED luminaire will fail. Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Life tests have shown the Elite RL663 light output will be maintained at 70% of initial at 50,000 hours of operation. Our LED driver is rated for 50 to 60 Htz at 120V input, produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.

REPEATABLE

Repeatability means quality. From our chip selection process, to our driver, to the thermal management, the Elite RL663 Module is engineered for quality. All Elite LED luminaires are rated at 85+ and 90+ CRI, also rated and tested to LM-79 and LM-80 standards by a certified laboratory, and meets the California Title-24 compliance standards. Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light.

DIMMABLE

The Elite RL663 lighting system is dimmable down to 10% by using an approved incandescent dimmer or select electronic low voltage dimmers when ordered with DIMTR-120 option. Refer to dimming matrix for more information.

INTERCHANGEABLE

The Elite RL663 LED system works in our dedicated (LD6IC-AT, LD6RIC-AT) housings and our existing 6" incandescent housings (B6IC-AT, EZ6IC-AT, B26IC-AT, B26RIC-AT, B6RIC-AT - 120V Only) but is also suitable for use in most 6" recessed downlight housings.

ADAPTABLE

All Elite RL663 luminaires are shipped standard with our custom engineered Edison adapter. This adapter assembly allows the luminaires to install directly into existing Elite 6" downlight housings and most other 6" downlight housings. GU24 style socket base adapters also available upon request.

OUR WORD

The Elite LED lighting system carries a five-year carefree warranty for parts and components. (Labor not included)



- Utilizes industry standard V or torsion springs, installs in most 6" incandescent downlights.
- Insert torsion springs into can and press trim to ceiling.



CERTIFICATIONS

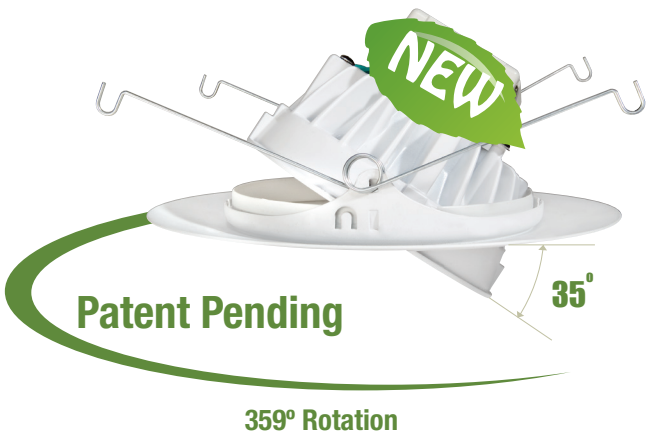
- RoHS
- IECC
- LM97/LM80
- California Title 24
- New York state
- Washington state
- Made in USA

LED
6"

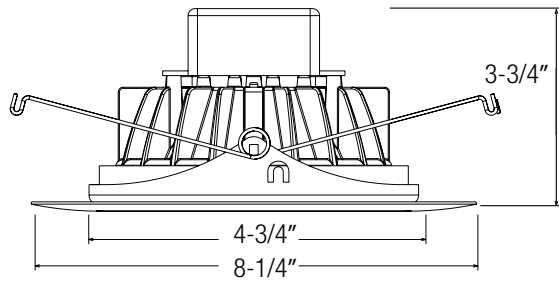
6 INCH ADJUSTABLE LED RETROFIT MODULE

RL663

UNIVERSAL 6"- ADJUSTABLE LED RETROFIT MODULE



iFit RL663
5 years WARRANTY



Example: **RL663-750L-DIMTR-120-30K-90-W-WH**

TYPE	750L SERIES	CCT	CCT	FINISH	OPTION
RL663 (Adjustable Baffle)	<input type="checkbox"/> 750L-DIMTR-120	<input type="checkbox"/> 27K <input type="checkbox"/> 40K <input type="checkbox"/> 30K <input type="checkbox"/> 50K <input type="checkbox"/> 35K (CRI 85+ Only)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> W-WH <input type="checkbox"/> SN-SN	<input type="checkbox"/> GU24SA - GU24 SOCKET ADAPTER

Ordering Guide for Compatible Housing

IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel
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			

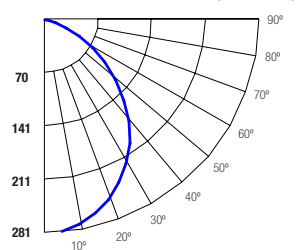
***RECOMMENDED DIMMERS FOR LED SYSTEM - RL6630**

LUTRON DIMMERS		LEVITON DIMMERS
DIMTR		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 NovaT NTELV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450	IlumaTech IPE04 Sureslide 6633 Acenti Vizia+

RL663-750L-DIMTR-120-30K-90-W-WH

INPUT WATTS: **15.1** LUMENS: **615** CRI: **90** EFFICACY: **41** CCT: **3000K** TEST NO.: **EL-081470**
SPACING CRITERIA: **1.26**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	100.69	N.A.	16.40
0-30	209.31	N.A.	34.00
0-40	332.58	N.A.	54.10
0-60	535.33	N.A.	87.00
0-80	609.02	N.A.	99.00
0-90	615.10	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	11665	11511	11610
55	9339	9164	9775
65	6634	6700	7181
75	3350	3415	5113
85	528	3337	5429

Lumens Per Zone

Zone	Lumens
0-10	26.45
10-20	74.24
20-30	108.61
30-40	123.27
40-50	114.74
50-60	88.01
60-70	52.34
70-80	21.35
80-90	6.08

Candela Tabulation

0	0
0	281.35
5	279.13
15	263.72
25	236.09
35	198.57
45	150.60
55	97.80
65	51.19
75	15.83
85	0.84
90	0.22

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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%	50%	30%	10%	0%				
0																										
1	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100				
2	101	94	88	83	99	108	104	100	97	100	97	94	96	94	91	92	90	89	89	87	87					
3	93	84	76	71	91	82	75	70	79	73	69	77	72	68	74	70	66	64	64	64	64					
4	88	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56	56	56	56					
5	80	68	59	53	77	67	59	53	64	58	52	63	57	52	61	55	51	49	49	49	49					
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44	44	44	44					
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39	39	39	39					
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35	35	35	35					
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	32	32	32					
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	29	29	29					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance