

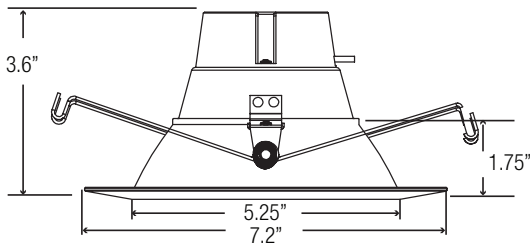
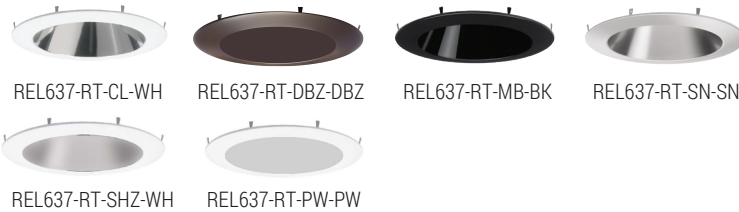


TRIM INSERTS OPTIONS

BAFFLES



REFLECTORS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
950	1133	14W
1200	1211	16W

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 (LD51C, LD61C-AT).

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.

FEATURES

Elite REL Retrofits are ideal for new construction or remodel applications when paired with an Elite recessed housing. Engineered for quick and easy retrofitting into existing incandescent recessed housings. Multiple trim types, trim finishes, and apertures make the REL Retrofits perfect for hotels and restaurants, assisted living facilities, dormitories, and kitchens.

LUMENS	950, 1200
CCT	27K, 30K, 35K, 40K, 50K
CRI	90+
COLOR QUALITY	3 Step MacAdam Ellipses
TRIM	Baffle, Aluminum die-cast body and trim
REFLECTOR COLORS	WH (White)
FLANGE COLORS	W (White)
DIMMING	DIMTR (Triac)
LIFETIME	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

* Consult Factory



CONSTRUCTION

Die-cast aluminum body for maximum heat dissipation. Baffle and reflector trims are available.

OPTICS

A 55-degree cutoff angle delivers glare-free, even illumination.

COMPATIBLE WITH ELITE 6" HOUSINGS

The Elite REL637 series works in Elite housings (LD6IC-AT, LD5IC-AT) and existing 6" incandescent housings. Elite LED Retrofits are shipped with a medium-based socket adapter to allow installation into housings with an E26 incandescent medium-based socket. Also suitable for use in most 6" and 5" incandescent recessed downlight housings.

QUICK AND EASY INSTALLATION

Quick connectors for use with 5" or 6" housing or Edison base adapter for retrofitting into existing 6" incandescent housings.

Torsion springs pre-installed onto both sides of fixture, installing easily in most 6" incandescent downlights.

Insert torsion springs into can and press trim to ceiling. Friction blades are also included.

APPLICATIONS

Damp and wet-location-rated ideal for indoor and outdoor use, shower, and other wet-location applications. IC-Rated and Air Tight and may be installed in direct contact with insulation.

DRIVER ELECTRICAL INFORMATION

Driver is rated for 50 to 60Hz at 120V input, produces less than 20% THD, has a power factor between 90% and 100%, and is thermally protected for additional safety.

DIMMING & DRIVER INFORMATION

DIMTR - Triac & electronic low voltage (DIMTR-120) flicker-free dimming. Available in 120V. Dimmable down to 5% of initial lumens, standard.

WARRANTY

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

LISTINGS

Energy Star
cETLus
Title 24
JA8E
RoHS
IECC
New York State

EXAMPLE: REL637-950L-DIMTR-120-30K-90-W-WH

TYPE	LUMEN	CCT	CRI	FINISH
REL637	<input type="checkbox"/> 950L-DIMTR-120 <input type="checkbox"/> 1200L-DIMTR-120	<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-White

TRIM RING ACCESSORY: REL637-BT-SN-SN

BT - BAFFLE	RT - Reflector
<input type="checkbox"/> REL637-BT-SN-SN <input type="checkbox"/> REL637-BT-P-BK <input type="checkbox"/> REL637-BT-DBZ-DBZ	<input type="checkbox"/> REL637-RT-CL-WH <input type="checkbox"/> REL637-RT-DBZ-DBZ <input type="checkbox"/> REL637-RT-MB-BK <input type="checkbox"/> REL637-RT-SN-SN <input type="checkbox"/> REL637-RT-SHZ-WH <input type="checkbox"/> REL637-RT-PW-PW

*Trim accessories order separate

ACCESSORY: GU24SA

OPTIONS
<input type="checkbox"/> GU24SA - SOCKET FOR LED RETROFIT TO GU24

*Accessories order separate

EXAMPLE: HLD6IC-AT

COMPATIBLE ELITE LIGHTING HOUSINGS							
<input type="checkbox"/> LD6IC	<input type="checkbox"/> LD5IC	<input type="checkbox"/> LD6-AT	<input type="checkbox"/> LD6RIC-AT	<input type="checkbox"/> LD5RIC-AT	<input type="checkbox"/> LD6R-AT	<input type="checkbox"/> LD5R-AT	
<input type="checkbox"/> HLD6IC-AT	<input type="checkbox"/> HLD5IC-AT	<input type="checkbox"/> HLD6-AT	<input type="checkbox"/> HLD6RIC-AT	<input type="checkbox"/> HLD5R-AT	<input type="checkbox"/> HLD6R-AT	<input type="checkbox"/> HLD5R-AT	
<input type="checkbox"/> LD600IC-AT	<input type="checkbox"/> LD500IC-AT	<input type="checkbox"/> B6-AT	<input type="checkbox"/> EZ6IC-AT	<input type="checkbox"/> B6R-AT	<input type="checkbox"/> B6R-AT	<input type="checkbox"/> B5R-AT	
<input type="checkbox"/> EZ6IC-AT	<input type="checkbox"/> EZ5IC-AT	<input type="checkbox"/> LD5-AT	<input type="checkbox"/> B6RIC-AT				
<input type="checkbox"/> B6IC-AT	<input type="checkbox"/> B5IC-AT	<input type="checkbox"/> HLD5-AT	<input type="checkbox"/> HLD5RIC-AT				
<input type="checkbox"/> B6IC-100-AT	<input type="checkbox"/> B5IC-100-AT	<input type="checkbox"/> B5-AT	<input type="checkbox"/> EZ5IC-AT				
<input type="checkbox"/> B600-IC	<input type="checkbox"/> B500-IC		<input type="checkbox"/> B5RIC-AT				

*Housing order separate

COMPATIBLE DIMMER

DIMMER	BRAND
MACL-153M	Lutron
DVCL-153P	Lutron
SCL-153P	Lutron
MSC-L-OP153M	Lutron
PD-6WCL	Lutron
PD-10NXD	Lutron
DVRP-253P	Lutron
DVCL-253P	Lutron
DSE06-10Z	Leviton

DIMMER	BRAND
PD-5NE	Lutron
NTCL-250	Lutron
MRF2S-6ELV120	Lutron
DVELV-303-P	Lutron
MAELV-600	Lutron
MA-PRO	Lutron
6672-1LW	Leviton
DDL06-1LZ	Leviton
VPE06-1LZ	Leviton

DIMMER	BRAND
DDL06-BLZ	Leviton
DDM06-1LZ	Leviton
DSL06-1LZ	Leviton
DH6HD-1BZ	Leviton
DL6HD-1BZ	Leviton
DW6HD-1BZ	Leviton
DZ6HD-1BZ	Leviton
RNL06-10Z	Leviton
DDE06-BLZ	Leviton
RH703PTUW	Legrand

REL637-950L-DIMTR-120-27K-90-W-WH

TEST NO.: **EL110217**

INPUT WATTS: **14.5**

LUMENS: **1133**

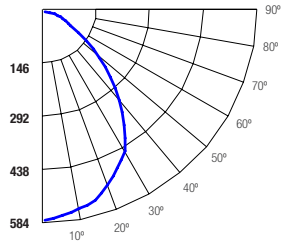
CRI: **90**

EFFICACY: **78**

CCT: **2700K**

SPACING CRITERIA: **1.24**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	209.25	18.50	18.50
0-30	436.86	38.50	38.60
0-40	690.45	60.90	60.90
0-60	1033.98	91.20	91.20
0-80	1129.5	99.70	99.70
0-90	1133.17	100.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	20086	20400	22337
55	13545	12558	14043
65	8332	7825	7999
75	5642	5940	6257
85	0	0	4795

Lumens Per Zone

Zone	Lumens
0-10	54.57
10-20	154.68
20-30	227.61
30-40	253.59
40-50	211.77
50-60	131.76
60-70	65.39
70-80	30.13
80-90	3.67

Candela Tabulation

0	
0	583.60
5	571.58
15	547.39
25	483.56
35	387.54
45	259.33
55	141.85
65	64.29
75	26.66
85	0.00
90	0.00

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%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100		
1	111	107	104	101	108	105	102	99	99	101	98	96	97	95	93	94	92	90	88	82	79	77		
2	103	96	90	86	100	94	89	85	81	87	83	80	88	84	81	85	82	79	77	73	70	68		
3	95	88	79	74	93	85	78	73	69	82	77	72	79	75	71	77	73	70	68	64	61	60		
4	88	78	70	65	86	77	70	64	74	68	63	72	67	62	70	65	62	60	58	55	53	53		
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	51	49	45	43		
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	45	43	41	41		
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43	41	39	39	39		
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39	37	35	35	35		
9	62	50	43	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	33	31	31	31		
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32	30	28	28	28		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Distance to Plane	Initial Footcandle at Nadir	Beam diameter
4.0	36.5 fc	7.8 ft
8.0	9.12 fc	15.6 ft
12.0	4.05 fc	23.3 ft
16.0	2.28 fc	31.1 ft
20.0	1.46 fc	38.9 ft
24.0	1.01 fc	46.7 ft

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

REL637-1200L-DIMTR-120-35K-90-W-WH

TEST NO.: **EL011960**

INPUT WATTS: **16**

LUMENS: **1211**

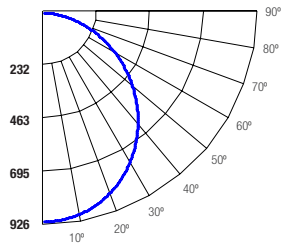
CRI: **90**

EFFICACY: **75**

CCT: **3500K**

SPACING CRITERIA: **1.04**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	321.55	26.5	26.5
0-30	639.2	52.8	52.8
0-40	928.79	76.7	76.7
0-60	1174.91	97	97
0-80	1210.3	99.9	99.9
0-90	1210.32	99.9	99.9

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	5256	5573	6445
55	2200	2328	2696
65	1183	1251	1428
75	182	240	433
85	5	5	5

Lumens Per Zone

Zone	Lumens
0-10	86.41
10-20	235.14
20-30	317.65
30-40	289.59
40-50	174.33
50-60	71.79
60-70	29.17
70-80	6.22
80-90	0.02

Candela Tabulation

0	
0	924.45
5	910.06
15	822.3
25	667.74
35	420.36
45	186.91
55	63.46
65	25.15
75	2.37
85	0.02
90	0.02

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%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	103	101	99	99	98	96	96	94	93	91	89	87	83		
2	106	100	95	91	103	98	94	90	95	91	88	88	92	89	86	89	87	84	83	81	78	75		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75	73	70	69	68		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68	66	63	61	60		
5	87	77	71	66	85	76	70	65	74	69	65	73	69	64	71	67	63	62	60	57	55	55		
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56	54	51	49	48		
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52	50	47	46	46		
8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	48	46	43	42	42		
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44	42	40	39	39		
10	65	54	47	43	64	53	47	43	52	47	43	52	46	42	51	46	42	41	39	37	37	37		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Distance to Plane	(FC) Initial Footcandle at Nadir	(FT) Beam Vert. Spread	(FT) Beam Horiz. Spread
2	320	2.4	2.4
4	84.9	4.7	4.6
6	37.0	7.1	7.0
8	20.6	9.4	9.4
10	13.4	11.7	11.7
12	9.24	14.1	14.1

BEAM DIA. MEASURED AT 50% OF NADIR F.C.