



# TRIM INSERTS OPTIONS

# **BAFFLES**







REL637-BT-SN-SN

REL637-BT-P-BK

REL637-BT-DBZ-DBZ

# **REFLECTORS**







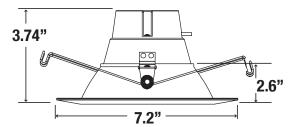


REL637-RT-CL-WH

/H REL637-RT-DBZ-DBZ

REL637-RT-P-BK

REL637-RT-SN-SN



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 (LD4IC-AT, LD5IC, LD6IC-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
ССТ	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

<sup>\*</sup> Consult Factory













# 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 (LD4IC-AT, LD5IC, LD6IC-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.

## **OUICK 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

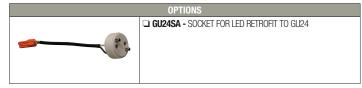
	LUMEN	CCT	CRI	FINISH
REL637	☐ 950L-DIMTR-120	□ 27K	□ 90+	□ W-WH-White
	☐ 1200L-DIMTR-120			
		□ 35K		
		□ 40K		
		□ 50K		

# TRIM RING ACCESSORY: REL637-BT-SN-SN

BT - BAFFLE	RT - Reflector
□ REL637-BT-SN-SN □ REL637-BT-P-BK □ REL637-BT-DBZ-DBZ	□ REL637-RT-CL-WH □ REL637-RT-DBZ-DBZ □ REL637-RT-P-BK □ REL637-RT-SN-SN

<sup>\*</sup>Trim accessories order separate

# ACCESSORY: GU24SA



<sup>\*</sup>Accessories order separate

# EXAMPLE: **HLD6IC-AT**

COMPATIBLE ELITE LIGHTING HOUSINGS				
RATED		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





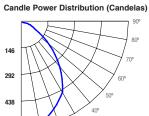
DIMMER	BRAND
MACL-153M	Lutron
DVCL-153P	Lutron
SCL-153P	Lutron
MSCL-OP153M	Lutron
PD-6WCL	Lutron
PD-10NXD	Lutron
DVRP-253P	Lutron
DVCL-253P	Lutron
DSE06-10Z	Leviton

COMPATIBLE DIMMER			
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** EFFICACY: 78 CCT: **2700K** CRI: **90** SPACING CRITERIA: 1.24 INPUT WATTS: 14.5 LUMENS: **1133** 



	90°
146	80°
292	60°
438	50°
584	10° 20°

Cone of Light			
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	
Distance to Plane	Initial Footcandle at Nadir	Beam diameter	

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

Lonar Lumens Summary				
Zone	Lumens	%Lamp		
0-20	209.25	18.50		
0-30	436.86	38.50		

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

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

Luminance (Average candela/M<sup>2</sup>)

gle	Average	Average		Zone
grees	0°	45°	90°	0-10
5	20086	20400	22337	10-20 20-30
5	13545	12558	14043	30-40
5	8332	7825	7999	40-50
5	5642	5940	6257	50-60
5	0	0	4795	60-70
				70-80

umens Pe	er Zone	Candela	Tabulation
Zone	Lumens		<u>0</u>
0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80 80-90	54.57 154.68 227.61 253.59 211.77 131.76 65.39 30.13 3.67	0 5 15 25 35 45 55 65 75 85	583.60 571.58 547.39 483.56 387.54 259.33 141.85 64.29 26.66 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%	0%
ROOM CAVITY RATIO	0 1 2 3 4 5 6 7 8 9	119 111 103 95 88 82 76 71 66 62 59	119 107 96 86 78 71 64 59 54 50 46	119 104 90 79 70 63 56 51 46 43 39	119 101 86 74 65 57 51 46 41 37 34	116 108 100 93 86 80 74 69 65 61 57	116 105 94 85 77 70 63 58 54 49	116 102 89 78 70 62 56 51 46 42 39	116 99 85 73 64 57 51 45 41 37	111 101 91 82 74 68 62 57 52 48 45	111 98 87 77 68 61 55 50 46 42 39	111 96 83 72 63 56 50 45 41 37	106 97 88 79 72 66 60 55 51 47	106 95 84 75 67 60 54 49 45 41 38	106 93 81 71 62 56 50 45 41 37	102 94 85 77 70 64 59 54 50 46 43	102 92 82 73 65 59 53 49 45 41 38	102 90 79 70 62 55 49 45 40 37	100 88 77 68 60 53 47 43 39 35 32

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

REL637-1200L-DIMT	R-120-35K-90-W-WH				TEST NO.: <b>EL011960</b>
INPUT WATTS: 16	LUMENS: <b>1211</b>	CRI: <b>90</b>	EFFICACY: <b>75</b>	CCT: <b>3500K</b>	SPACING CRITERIA: 1.04

# Candle Power Distribution (Candelas) 232 463

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

Zonai Lu	mens Sumn	nary	
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

Lumina	Luminance (Average candela/M²)											
Angle in Degrees	Average 0°	Average 45°	Average 90°									
45	5256	5573	6445									
55	2200	2328	2696									
65	1183	1251	1428									
75	182	240	433									
85	5	5	5									

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

umens Pe	r Zone	Candela	Tabulation
Zone	Lumens		<u>0</u>
0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80 80-90	86.41 235.14 317.65 289.59 174.33 71.79 29.17 6.22 0.02	0 5 15 25 35 45 55 65 75 85	924.45 910.06 822.3 667.74 420.36 186.91 63.46 25.15 2.37 0.02 0.02

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

	RC			80%		70%	1			50%			30%			10%	1		0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0 1 2 3 4 5 6 7 8 9	119 112 106 99 93 87 82 77 73 69	119 109 100 91 84 77 71 66 62 57 54	119 106 95 86 78 71 65 59 55 51 47	119 104 91 81 73 66 60 54 50 46 43	116 110 103 97 91 85 80 76 71 67	116 107 98 90 83 76 71 66 61 57	116 104 94 85 77 70 64 59 54 50 47	116 102 90 80 72 65 59 54 50 46 43	111 103 95 87 81 74 69 64 60 56	111 101 91 83 75 69 63 58 54 50 47	111 99 88 79 71 65 59 54 50 46 43	106 99 92 85 78 73 68 63 59 55	106 98 89 81 74 68 62 58 53 50 46	106 96 86 78 70 64 58 54 49 46 42	102 96 89 82 76 71 66 62 58 54	102 94 87 79 73 67 62 57 53 49	102 93 84 76 69 63 58 53 49 46 42	100 91 83 75 68 62 56 52 48 44

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

