



EASY 5 COLORS
SELECCTOR
2700K • 3000K • 3500K • 4000K • 5000K



TRIM INSERTS OPTIONS

BAFFLES



REL637-BT-SN-SN



REL637-BT-P-BK



REL637-BT-DBZ-DBZ

REFLECTORS



REL637-RT-CL-WH



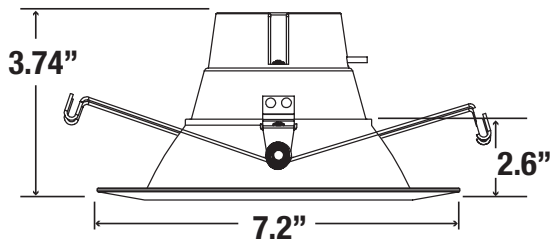
REL637-RT-DBZ-DBZ



REL637-RT-P-BK



REL637-RT-SN-SN



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
950	1081	10W
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. An easy 5-Color SeleCCTor switch allows the contractor to easily switch between 5 different color temperatures in the field. 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

EASY 5-COLOR SELECCTOR SWITCH

Easy 5-Color SeleCCTor switch can be adjusted to a choice of 5 different Kelvin color temperatures in the field. Options include 27K/30K/35K/40K/50K. The SeleCCTor switch is located on the junction box for easy adjustment before and after installation. The SeleCCTor switch is easily accessible by lowering the luminaire from the opening.

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 (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.

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.

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-120-27K/30K/35K/40K/50K-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/30K/35K/40K/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-P-BK <input type="checkbox"/> REL637-RT-SN-SN





*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			
 IC RATED		 IC RATED	
<input type="checkbox"/> LD6IC	<input type="checkbox"/> LD6-AT	<input type="checkbox"/> LD6RIC-AT	<input type="checkbox"/> LD6R-AT
<input type="checkbox"/> HLD6IC-AT	<input type="checkbox"/> HLD6-AT	<input type="checkbox"/> HLD6RIC-AT	<input type="checkbox"/> HLD6R-AT
<input type="checkbox"/> LD600IC-AT	<input type="checkbox"/> B6-AT	<input type="checkbox"/> EZ6IC-AT	<input type="checkbox"/> B6R-AT
<input type="checkbox"/> EZ6IC-AT		<input type="checkbox"/> B6RIC-AT	
<input type="checkbox"/> B6IC-AT			
<input type="checkbox"/> B6IC-100-AT			
<input type="checkbox"/> B600-IC			

*Housing order separate

REL637-950L-DIMTR-120-27K/30K/35K/40K/50K-90-W-WH

TEST NO.: EL03272052

INPUT WATTS: 10.8

LUMENS: 1081

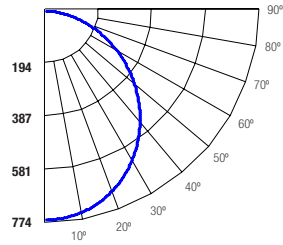
CRI: 90

EFFICACY: 99

CCT: 4000K

SPACING CRITERIA: 1.08

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	269.48	24.9	24.9
0-30	539.77	49.9	49.9
0-40	800.79	74.1	74.1
0-60	1043.08	96.5	96.5
0-80	1080.55	99.9	99.9
0-90	1080.56	99.9	99.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	95991	97458	104893
55	41035	42175	46365
65	21464	22136	24202
75	4801	7036	10184
85	0	59	0

Lumens Per Zone

Zone	Lumens
0-10	72.29
10-20	197.19
20-30	270.29
30-40	261.02
40-50	169.27
50-60	73.03
60-70	29.88
70-80	7.59
80-90	0.01

Candela Tabulation

0	0
0	772.2
5	762.58
15	694.27
25	576.4
35	397.94
45	198.29
55	68.76
65	26.5
75	3.63
85	0
90	0

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
	1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
	2	105	99	95	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82			
	3	98	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	75	74			
	4	92	83	78	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67			
	5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	66	62	60			
	6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55			
	7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50			
	8	72	60	53	48	70	60	53	48	59	52	48	57	52	48	56	51	48	46			
	9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	42			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

REL637-1200L-DIMTR-120-27K/30K/35K/40K/50K-90-W-WH

TEST NO.: EL011960

INPUT WATTS: 16

LUMENS: 1211

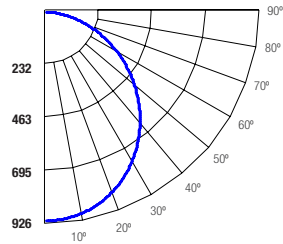
CRI: 90

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°	Average 45°	Average 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
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%	0%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100		
	1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	94	93	91		
	2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			
	3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
	4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68			
	5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62			
	6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56			
	7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52			
	8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	48			
	9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	43	52	47	43	52	46	42	51	46	42	41				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance