



TRIM INSERTS OPTIONS



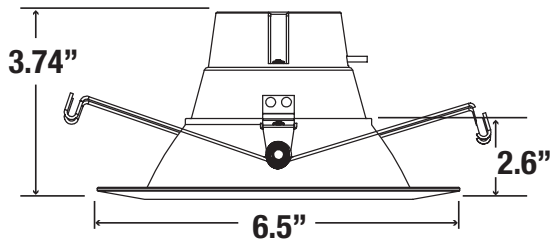
RL537-RT-DBZ-DBZ



RL537-RT-SN-SN



RL537-RT-P-BK



| NOMINAL LUMENS | DELIVERED LUMENS | WATTAGE |
|----------------|------------------|---------|
| 950 | 1132 | 14W |

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 |
| CCT | 30K |
| 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 REL537 series works in Elite housings (LD4IC-AT, LD5IC, LD6IC-AT) and existing 5" 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 5" 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: **REL537-950L-DIMTR-120-30K-90-W-WH**

| TYPE | LUMEN | CCT | CRI | FINISH |
|--------|---|------------------------------|------------------------------|-------------------------------------|
| REL537 | <input type="checkbox"/> 950L-DIMTR-120 | <input type="checkbox"/> 30K | <input type="checkbox"/> 90+ | <input type="checkbox"/> W-WH-White |

TRIM RING ACCESSORY: **REL537-RT-SN-SN**

| RT - Reflector |
|---|
| <input type="checkbox"/> REL537-RT-DBZ-DBZ <input type="checkbox"/> REL537-RT-P-BK <input type="checkbox"/> REL537-RT-SN-SN |





*Trim accessories order separate

ACCESSORY: **GU24SA**

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

*Accessories order separate

EXAMPLE: **HLD5IC-AT**

| COMPATIBLE ELITE LIGHTING HOUSINGS | | | |
|---|---|--|---|
|  |  |  |  |
| <input type="checkbox"/> LD5IC | <input type="checkbox"/> LD5-AT | <input type="checkbox"/> LD5RIC-AT | <input type="checkbox"/> LD5R-AT |
| <input type="checkbox"/> HLD5IC-AT | <input type="checkbox"/> HLD5-AT | <input type="checkbox"/> HLD5RIC-AT | <input type="checkbox"/> HLD5R-AT |
| <input type="checkbox"/> LD500IC-AT | <input type="checkbox"/> B5-AT | <input type="checkbox"/> EZ5IC-AT | <input type="checkbox"/> B5R-AT |
| <input type="checkbox"/> EZ5IC-AT | | <input type="checkbox"/> B5RIC-AT | |
| <input type="checkbox"/> B5IC-AT | | | |
| <input type="checkbox"/> B5IC-100-AT | | | |
| <input type="checkbox"/> B500-IC | | | |

*Housing order separate

COMPATIBLE DIMMER

| DIMMER | BRAND | DIMMER | BRAND | DIMMER | BRAND |
|-------------|---------|---------------|---------|-----------|---------|
| MACL-153M | Lutron | PD-5NE | Lutron | DDL06-BLZ | Leviton |
| DVCL-153P | Lutron | NTCL-250 | Lutron | DDM06-1LZ | Leviton |
| SCL-153P | Lutron | MRF2S-6ELV120 | Lutron | DSL06-1LZ | Leviton |
| MSCL-OP153M | Lutron | DVELV-303-P | Lutron | DH6HD-1BZ | Leviton |
| PD-6WCL | Lutron | MAELV-600 | Lutron | DL6HD-1BZ | Leviton |
| PD-10NXD | Lutron | MA-PRO | Lutron | DW6HD-1BZ | Leviton |
| DVRP-253P | Lutron | 6672-1LW | Leviton | DZ6HD-1BZ | Leviton |
| DVCL-253P | Lutron | DDL06-1LZ | Leviton | RNL06-10Z | Leviton |
| DSE06-10Z | Leviton | VPE06-1LZ | Leviton | DDE06-BLZ | Leviton |
| | | | | RH703PTUW | Legrand |

REL537-950L-DIMTR-120-30K-90-W-WH

TEST NO.: EL1118106

INPUT WATTS: 14.2

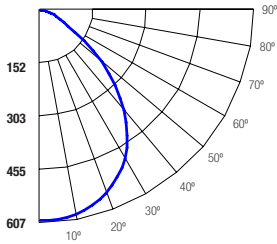
LUMENS: 1132

CRI: 85+

EFFICACY: 80

CCT: 3000K

Candle Power Distribution (Candelas)



Zonal Lumens Summary

| Zone | Lumens | %Lamp | %Fixt |
|--------|---------|--------|--------|
| 0-30° | 449.79 | 39.80 | 39.70 |
| 0-40° | 696.92 | 61.60 | 61.60 |
| 0-60° | 1024.72 | 90.60 | 90.60 |
| 0-90° | 1131.6 | 100.10 | 100.00 |
| 0-180° | 1131.6 | 100.10 | 100.00 |

Luminance Data (cd/sq.m)

| Angle In Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45° | 35493 | 35620 | 33516 |
| 55° | 21852 | 22558 | 25299 |
| 65° | 11899 | 13328 | 16567 |
| 75° | 7962 | 8151 | 9463 |
| 85° | 2364 | 7962 | 9785 |

Candela Tabulation

| | 0 | 45 | 90 |
|----|--------|--------|--------|
| 0 | 605.50 | 605.50 | 605.50 |
| 5 | 606.02 | 606.52 | 604.53 |
| 15 | 583.47 | 586.51 | 579.20 |
| 25 | 531.14 | 536.11 | 525.90 |
| 35 | 441.03 | 447.68 | 424.38 |
| 45 | 308.12 | 309.22 | 290.96 |
| 55 | 153.88 | 158.85 | 178.15 |
| 65 | 61.74 | 69.15 | 85.96 |
| 75 | 25.30 | 25.90 | 30.07 |
| 85 | 2.53 | 8.52 | 10.47 |
| 90 | 0.27 | 0.83 | 0.67 |

Spacing Criteria

| | |
|----------|--------|
| 0-180 | : 1.22 |
| 90-270 | : 1.20 |
| Diagonal | : 1.18 |

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

| RC RW | 80% | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% | | | |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% | 0% | 0% | 0% |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 | 88 | 88 | 88 | 88 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 77 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 6 | 76 | 65 | 57 | 51 | 75 | 64 | 56 | 51 | 62 | 55 | 50 | 60 | 55 | 50 | 59 | 54 | 50 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 7 | 71 | 59 | 51 | 46 | 70 | 58 | 51 | 46 | 57 | 50 | 45 | 56 | 50 | 45 | 54 | 49 | 45 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 8 | 67 | 55 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 9 | 63 | 50 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 41 | 37 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 10 | 59 | 47 | 40 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

EFFICACY: 80 LM/W