

# RL629

UNIVERSAL 6", 5" LED RETROFIT REFLECTOR LIGHTING MODULE

**SAME DAY**  
SHIPPING AVAILABLE



## CERTIFICATIONS

- cULus
- RoHS
- IECC
- New York state

**CRI** 90+

**COLOR QUALITY** 3-Step MacAdam Ellipses

**LUMEN OUTPUT** 1000 Lumens

**LUMEN PER WATT** Up to 64

**CCT** 30K-16K

**OPTIC** 45° Cut-Off

**WARRANTY** 5 Years

- UL/cUL Listed for Wet
- UL/cUL Listed for Damp Location
- California Title 24
- Washington state
- LM79/LM80

## UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The RL629 is the newest, most efficient, and advanced LED retrofit modules from ELITE Lighting. It's unique design delivers color quality above a 90 CRI rating. The color matching has never been so close, with a binning as low as 3 MacAdams ellipses. The RL629 LED retrofits meet all new mandatory California Title 24 requirements.

The Elite RL629 LED Module has been engineered for new constructions to meet Title-24's "No Edison Socket" mandate. The Elite RL629 LED system works in our dedicated (LD6IC-AT, LD6RIC-AT, LD5IC-AT, and LD5RIC-AT) housings and our existing 6" Incandescent housings (B6IC-AT, EZ6IC-AT, B26IC-AT, B26RIC-AT, B6RIC-AT) but is also suitable for using in most 6" and 5" Incandescent recessed downlight housings in the market.

| INPUT VOLT. | INPUT FREQ. | THD  | POWER FACTOR | INPUT POWER | LUMENS |
|-------------|-------------|------|--------------|-------------|--------|
| 120         | 50/60Hz     | <20% | >0.9         | 15W(+/-5%)  | 1000   |

## DURABILITY

Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Our LED driver is rated for 50 to 60 Hz at 120V input, and produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.

## DIMMABLE

The Elite LED Module is dimmable down to 15% of initial light output with compatible dimmers. Consult factory for complete list of compatible dimming systems.

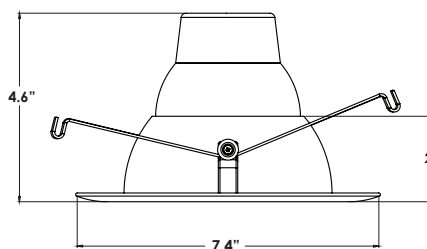
## OUR WORD

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

## FEATURES

- Over 1000 usable lumens are directed from the luminaire to the work surface
- Greater light output than a 26W CFL or a 65W BR30 while consuming less than 15W of power
- Rated at 90+ CRI to meet California Title-24 strict compliance standards
- Life tested to ensure light output up to 50,000 hours of operation to L70
- Glare reducing cut-off angle of 55 degrees
- High performance optic hides LED chip image but still delivers an even beam of light
- Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light
- Tested to LM-79 and LM-80 standards
- UL listed for safety

## INSTALLATION



Ez connector to use with special High efficacy housing or Edison base adapter for retrofitting into existing 5" or 6" incandescent housings. Utilizes industry standard V springs, installs in most 5" incandescent down lights. Insert V springs into can and press trim to ceiling. 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.

LED  
6"  
5"

6 / 5 INCH LED RETROFIT MODULE

# RL629

UNIVERSAL 6", 5" LED RETROFIT REFLECTOR LIGHTING MODULE

## R30 Lamp



Before

## RL629 LED Retrofit



After

Elite's innovative LED retrofit downlight modules deliver the brightest, most beautiful and most energy efficient ambient lighting to replace any lamp type on your existing fixture.

Example: **RL629-1000L-DIMTR-120-30K-16K-SD-90-W-WH**

| TYPE                 | 1000L SERIES    | CCT     | SD | CRI | FINISH | OPTION                        |
|----------------------|-----------------|---------|----|-----|--------|-------------------------------|
| RL629<br>(Reflector) | 1000L-DIMTR-120 | 30K-16K | SD | 90+ | W-WH   | GU24SA<br>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               |                         |                  |                    |

### Ordering Guide for Compatible Housing

| IC - New Construction | Non-IC New Construction | IC - For Remodel | Non-IC For Remodel |
|-----------------------|-------------------------|------------------|--------------------|
| LD5IC-AT              | LD5-AT                  | LD5RIC-AT        | LD5R-AT            |
| HLD5IC-AT             | HLD5-AT                 | HLD5RIC-AT       | HLD5R-AT           |
| B5IC-AT               | B5-AT                   | B5RIC-AT         | B5R-AT             |
| B25IC-AT              |                         | B25RIC-AT        |                    |

### \*RECOMMENDED DIMMERS FOR ELITE RL629 LED SYSTEM

| LUTRON DIMMERS                                                                                                                         | LUTRON CONTROL SYSTEM                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INCANDESCENT                                                                                                                           | MAGNETIC LOW VOLTAGE                                                                                                                                                        |
| Diva DVCL-153P<br>Skylark CTCL-153P<br>Nova N-600<br>NovaT NT-600<br>Skylark S-600<br>Ariadni AY-600P<br>Nova NTLV-600<br>Nova NLV-600 | Maestro MRF2-6ND<br>NovaT NTLV-600<br>Diva DVELV-300P<br>Skylark SELV-300P<br>Nova NELV-450<br>Skylark S-1000<br>Decora 06633-766<br>Decora 6674<br>Toggle Dimmer TGI06-1LW |
|                                                                                                                                        | NovaNLV-600<br>NovaT NTLV-600<br>Diva DVLV-600P<br>Leviton Dimmer 6613-PL                                                                                                   |

LED

6"  
5"

6 / 5 INCH LED RETROFIT MODULE

### RL629-1000L-DIMTR-120-30K-16K-SD-90-W-WH

INPUT WATTS: **15.6**

LUMENS: **1113**

CRI: **90**

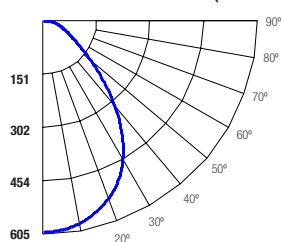
EFFICACY: **71**

CCT: **3000K**

TEST NO.: **EL104016**

SPACING CRITERIA: **1.16**

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

| Zone | Lumens  | %Lamp | %Fixt  |
|------|---------|-------|--------|
| 0-20 | 216.38  | N.A.  | 19.40  |
| 0-30 | 446.24  | N.A.  | 40.10  |
| 0-40 | 687.20  | N.A.  | 61.70  |
| 0-60 | 989.35  | N.A.  | 88.90  |
| 0-80 | 1099.65 | N.A.  | 98.80  |
| 0-90 | 1113.4  | N.A.  | 100.00 |

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

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 17763      | 19361       | 19779       |
| 55               | 10801      | 12403       | 14478       |
| 65               | 7835       | 8948        | 11065       |
| 75               | 7529       | 8234        | 8356        |
| 85               | 5467       | 8772        | 8760        |

#### Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 56.87  |
| 10-20 | 159.51 |
| 20-30 | 229.85 |
| 30-40 | 240.96 |
| 40-50 | 186.67 |
| 50-60 | 115.48 |
| 60-70 | 70.52  |
| 70-80 | 39.78  |
| 80-90 | 13.75  |

#### Candela Tabulation

| 0 | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8     | 9     | 10   | 11   | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|------|----|----|----|----|----|----|----|----|----|
| 0 | 604.97 | 600.02 | 566.08 | 501.04 | 383.18 | 229.34 | 113.12 | 60.46 | 35.58 | 8.70 | 0.32 |    |    |    |    |    |    |    |    |    |

#### 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  | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98  | 100 | 98  | 95  | 96  | 94  | 92  | 93  | 91  | 90  | 88  |  |  |    |
|                   | 2  | 102 | 95  | 90  | 85  | 100 | 94  | 88  | 84  | 90  | 86  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 76  |  |  |    |
|                   | 3  | 95  | 86  | 79  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  |  |  |    |
|                   | 4  | 88  | 78  | 70  | 64  | 86  | 76  | 69  | 64  | 74  | 68  | 63  | 72  | 66  | 62  | 70  | 65  | 61  | 59  |  |  |    |
|                   | 5  | 82  | 70  | 63  | 57  | 80  | 69  | 62  | 56  | 67  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 53  |  |  |    |
|                   | 6  | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  |  |  |    |
|                   | 7  | 71  | 59  | 51  | 46  | 70  | 58  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |  |  |    |
|                   | 8  | 67  | 54  | 47  | 42  | 65  | 54  | 46  | 41  | 53  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |  |  |    |
|                   | 9  | 63  | 50  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 37  | 47  | 41  | 37  | 36  |  |  |    |
| 10                | 59 | 47  | 40  | 35  | 58  | 46  | 39  | 35  | 45  | 39  | 35  | 45  | 39  | 34  | 44  | 38  | 34  | 33  |     |  |  |    |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance