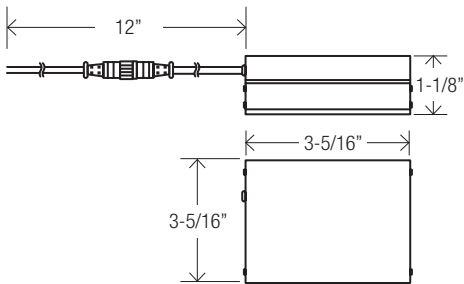
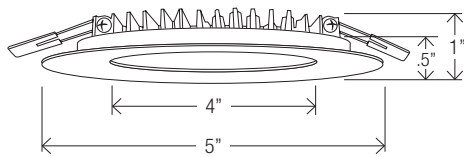




### DIMENSION



## 4" ROUND SLIM LED

- ▶ **1" THICK LED FIXTURE WITH HIGHER BRIGHTNESS**
- ▶ **FOR NEW CONSTRUCTION – INSULATED AND DROPPED CEILINGS**

### FEATURES

Round 4" fixtures with integral LEDs. One driver for every fixture required. PF>0.95. Maximum number of fixtures per standard 150W LED dimmer: 12

- ▶ Dimmable
- ▶ ETL Approved and Energy Star Certified
- ▶ Air-tight and wet location approved
- ▶ Pot light housing is not required even for insulated ceilings
- ▶ Fast and easy to install in limited space locations
- ▶ External driver factory mounted inside connector box
- ▶ New construction rough-in plates and jumper cables available
- ▶ Available in 4 Color Temperatures ( 2700K, 3000K, 4000K and 5000K)
- ▶ 50,000 Hours Life

### TECHNICAL SPECIFICATIONS

- ▶ **WATTAGES:** 9W and 12W
- ▶ **OUTPUT: Default** Driver Voltage: 120V AC 60 Hz (Dimmable)
- ▶ **OPTICS:** 120°
- ▶ **CRI:** 90+
- ▶ **AMBIENT TEMPERATURE:** -40°F (-40°C) to +104°F (+40°C)

### LISTING

- ▶ Energy Star
- ▶ ETL listed for wet location

| INPUT VOLT. | INPUT FREQ. | THD  | POWER FACTOR | INPUT POWER | LUMENS |
|-------------|-------------|------|--------------|-------------|--------|
| 120         | 60Hz        | <20% | >0.95        | 9W(+/-5%)   | 550L   |
| 120         | 60Hz        | <20% | >0.95        | 12W(+/-5%)  | 700L   |



EXAMPLE: RL475-700L-DIMTR-120-30K-90-WH-RL475-RT-BZ

| TYPE  | LUMEN                                   | CCT  | CRI | FINISH                              | TRIM RING  | ACCESSORIES   |
|-------|---|--|-----|-------------------------------------|--|---|
| RL475 | <input type="checkbox"/> 550L-DIMTR-120 | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K | 90+ | <input type="checkbox"/> WH (White) | <input type="checkbox"/> RL475-RT-BZ (Bronze)<br><input type="checkbox"/> RL475-RT-BK (Black)<br><input type="checkbox"/> RL475-RT-CH (Chrome)<br><input type="checkbox"/> RL475-RT-CP (Copper)<br><input type="checkbox"/> RL475-RT-SN (Satin Nickel) | <input type="checkbox"/> RL-ACC-SLIM-1-10F<br><input type="checkbox"/> RL-ACC-SLIM-1-20F<br><input type="checkbox"/> RL-ACC-SLIM-4-Roughplate |
|       | <input type="checkbox"/> 700L-DIMTR-120 |  |     |                                     |  |   |

# RL475 LED

## 4" ROUND SLIM LED

### RL475-LED-700L-DIM10-MVOLT

TEST NO.: EL071622

INPUT WATTS: 11

LUMENS: 618

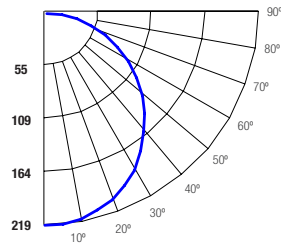
CRI: 85+

EFFICACY: 56

CCT: 4000K

SPACING CRITERIA: 1.36

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

| Zone | Lumens | %Lamp  | %Fixt  |
|------|--------|--------|--------|
| 0-20 | 79.65  | 12.90  | 12.90  |
| 0-30 | 168.55 | 27.30  | 27.30  |
| 0-40 | 274.78 | 44.50  | 44.50  |
| 0-60 | 481.97 | 78.00  | 78.00  |
| 0-80 | 602.76 | 97.60  | 97.50  |
| 0-90 | 618.05 | 100.10 | 100.00 |

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

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 26046      | 26355       | 25877       |
| 55               | 25489      | 25777       | 24878       |
| 65               | 24648      | 25154       | 23447       |
| 75               | 24343      | 24659       | 21375       |
| 85               | 26039      | 26443       | 18004       |

#### Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 20.67  |
| 10-20 | 58.99  |
| 20-30 | 88.90  |
| 30-40 | 106.23 |
| 40-50 | 109.05 |
| 50-60 | 98.14  |
| 60-70 | 75.25  |
| 70-80 | 45.55  |
| 80-90 | 15.29  |

#### Candela Tabulation

| θ  | 0      | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 |
|----|--------|---|----|----|----|----|----|----|----|----|----|
| 0  | 218.55 |   |    |    |    |    |    |    |    |    |    |
| 5  | 217.96 |   |    |    |    |    |    |    |    |    |    |
| 15 | 210.43 |   |    |    |    |    |    |    |    |    |    |
| 25 | 195.98 |   |    |    |    |    |    |    |    |    |    |
| 35 | 173.48 |   |    |    |    |    |    |    |    |    |    |
| 45 | 146.48 |   |    |    |    |    |    |    |    |    |    |
| 55 | 116.28 |   |    |    |    |    |    |    |    |    |    |
| 65 | 82.85  |   |    |    |    |    |    |    |    |    |    |
| 75 | 50.11  |   |    |    |    |    |    |    |    |    |    |
| 85 | 18.05  |   |    |    |    |    |    |    |    |    |    |
| 90 | 2.02   |   |    |    |    |    |    |    |    |    |    |

#### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

| Cone of Light |         |         |
|---------------|---------|---------|
| 4.0           | 13.7 fc | 11.6 ft |
| 8.0           | 3.41 fc | 23.2 ft |
| 12.0          | 1.52 fc | 34.8 ft |
| 16.0          | 0.85 fc | 46.4 ft |
| 20.0          | 0.55 fc | 58 ft   |
| 24.0          | 0.38 fc | 69.6 ft |

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

| 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%  |  |  |
| ROOM CAVITY RATIO | 0   | 119 | 119 | 119 | 119 | 118 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |  |  |
| 1                 | 109 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 85  | 85  | 85  | 83  |     |  |  |
| 2                 | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 71  | 69  | 69  | 69  | 69  |     |  |  |
| 3                 | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 64  | 74  | 68  | 62  | 72  | 66  | 61  | 69  | 64  | 60  | 58  | 58  | 58  | 58  |     |  |  |
| 4                 | 82  | 70  | 61  | 54  | 80  | 69  | 60  | 54  | 66  | 59  | 53  | 64  | 58  | 52  | 62  | 56  | 52  | 50  | 50  | 50  | 50  |     |  |  |
| 5                 | 76  | 63  | 53  | 47  | 73  | 61  | 53  | 46  | 59  | 52  | 46  | 57  | 51  | 45  | 55  | 50  | 45  | 43  | 43  | 43  | 43  |     |  |  |
| 6                 | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 54  | 46  | 40  | 52  | 45  | 40  | 50  | 44  | 40  | 37  | 37  | 37  | 37  |     |  |  |
| 7                 | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  | 47  | 40  | 35  | 46  | 40  | 35  | 33  | 33  | 33  | 33  |     |  |  |
| 8                 | 60  | 47  | 38  | 32  | 59  | 46  | 38  | 32  | 45  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 31  | 29  | 29  | 29  | 29  |     |  |  |
| 9                 | 56  | 43  | 35  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 28  | 27  | 27  | 27  | 27  |     |  |  |
| 10                | 53  | 39  | 32  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 26  | 24  | 24  | 24  | 24  |     |  |  |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

### AVAILABLE COLOR INSERTS FOR RL475 - 4" RETROFIT



RL475-RT-BZ  
(Bronze)



RL475-RT-BK  
(Black)



RL475-RT-CH  
(Chrome)



RL475-RT-CP  
(Copper)



RL475-RT-SN  
(Satin Nickel)

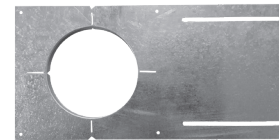
### AVAILABLE ACCESSORIES FOR RL475 - 4" RETROFIT



RL-ACC-SLIM-1-10F  
10-ft long extension



RL-ACC-SLIM-1-20F  
20-ft long extension



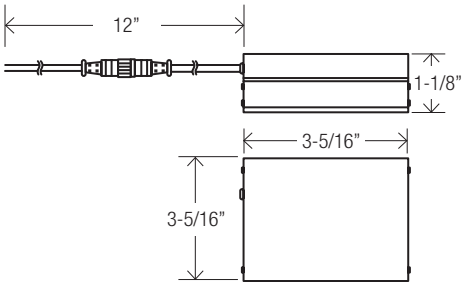
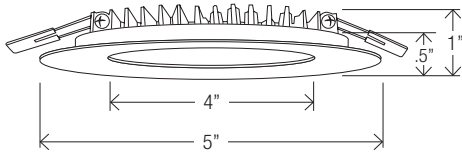
RL-ACC-SLIM-4-ROUGHPLATE

### INSTALLATION

- Cut hole in ceiling and snap fixture in opening with attached spring clips. Space in ceiling needed for the driver to fit through the ceiling height – 2".



### DIMENSION



## 4" ROUND SLIM LED

- ▶ **1" THICK LED FIXTURE WITH HIGHER BRIGHTNESS**
- ▶ **FOR NEW CONSTRUCTION – INSULATED AND DROPPED CEILINGS**

### FEATURES

Round 4" fixtures with integral LEDs. One driver for every fixture required. PF>0.95. Maximum number of fixtures per standard 150W LED dimmer: 12

- ▶ Dimmable
- ▶ ETL Approved and Energy Star Certified
- ▶ Air-tight and wet location approved
- ▶ Pot light housing is not required even for insulated ceilings
- ▶ Fast and easy to install in limited space locations
- ▶ External driver factory mounted inside connector box
- ▶ New construction rough-in plates and jumper cables available
- ▶ Available in 4 Color Temperatures ( 2700K, 3000K, 4000K and 5000K)
- ▶ 50,000 Hours Life

### TECHNICAL SPECIFICATIONS

- ▶ **WATTAGES:** 9W and 12W
- ▶ **OUTPUT: Default** Driver Voltage: 120V AC 60 Hz (Dimmable)
- ▶ **OPTICS:** 120°
- ▶ **CRI:** 90+
- ▶ **AMBIENT TEMPERATURE:** -40°F (-40°C) to +104°F (+40°C)

### LISTING

- ▶ Energy Star
- ▶ ETL listed for wet location

| INPUT VOLT. | INPUT FREQ. | THD  | POWER FACTOR | INPUT POWER | LUMENS |
|-------------|-------------|------|--------------|-------------|--------|
| 120         | 60Hz        | <20% | >0.95        | 9W(+/-5%)   | 550L   |
| 120         | 60Hz        | <20% | >0.95        | 12W(+/-5%)  | 700L   |



EXAMPLE: RL475-700L-DIMTR-120-30K-90-WH-RL475-RT-BZ

| TYPE  | LUMEN                                   | CCT  | CRI | FINISH                              | TRIM RING  | ACCESSORIES   |
|-------|---|--|-----|-------------------------------------|--|---|
| RL475 | <input type="checkbox"/> 550L-DIMTR-120 | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K | 90+ | <input type="checkbox"/> WH (White) | <input type="checkbox"/> RL475-RT-BZ (Bronze)<br><input type="checkbox"/> RL475-RT-BK (Black)<br><input type="checkbox"/> RL475-RT-CH (Chrome)<br><input type="checkbox"/> RL475-RT-CP (Copper)<br><input type="checkbox"/> RL475-RT-SN (Satin Nickel) | <input type="checkbox"/> RL-ACC-SLIM-1-10F<br><input type="checkbox"/> RL-ACC-SLIM-1-20F<br><input type="checkbox"/> RL-ACC-SLIM-4-Roughplate |
|       | <input type="checkbox"/> 700L-DIMTR-120 |  |     |                                     |  |   |

# RL475 LED

## 4" ROUND SLIM LED

### RL475-LED-700L-DIM10-MVOLT

TEST NO.: EL071622

INPUT WATTS: 11

LUMENS: 618

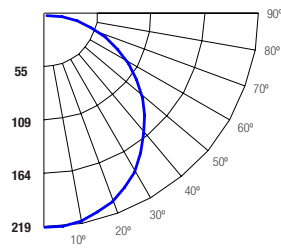
CRI: 85+

EFFICACY: 56

CCT: 4000K

SPACING CRITERIA: 1.36

#### Candle Power Distribution (Candelas)



#### Zonal Lumens Summary

| Zone | Lumens | %Lamp  | %Fixt  |
|------|--------|--------|--------|
| 0-20 | 79.65  | 12.90  | 12.90  |
| 0-30 | 168.55 | 27.30  | 27.30  |
| 0-40 | 274.78 | 44.50  | 44.50  |
| 0-60 | 481.97 | 78.00  | 78.00  |
| 0-80 | 602.76 | 97.60  | 97.50  |
| 0-90 | 618.05 | 100.10 | 100.00 |

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

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45               | 26046      | 26355       | 25877       |
| 55               | 25489      | 25777       | 24878       |
| 65               | 24648      | 25154       | 23447       |
| 75               | 24343      | 24659       | 21375       |
| 85               | 26039      | 26443       | 18004       |

#### Lumens Per Zone

| Zone  | Lumens |
|-------|--------|
| 0-10  | 20.67  |
| 10-20 | 58.99  |
| 20-30 | 88.90  |
| 30-40 | 106.23 |
| 40-50 | 109.05 |
| 50-60 | 98.14  |
| 60-70 | 75.25  |
| 70-80 | 45.55  |
| 80-90 | 15.29  |

#### Candela Tabulation

| θ | 0      | 5      | 15     | 25     | 35     | 45     | 55     | 65    | 75    | 85    | 90   |
|---|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0 | 218.55 | 217.96 | 210.43 | 195.98 | 173.48 | 146.48 | 116.28 | 82.85 | 50.11 | 18.05 | 2.02 |

#### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

| Cone of Light |         |         |
|---------------|---------|---------|
| 4.0           | 13.7 fc | 11.6 ft |
| 8.0           | 3.41 fc | 23.2 ft |
| 12.0          | 1.52 fc | 34.8 ft |
| 16.0          | 0.85 fc | 46.4 ft |
| 20.0          | 0.55 fc | 58 ft   |
| 24.0          | 0.38 fc | 69.6 ft |

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

| RC | 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  | 119 | 119 | 119 | 119 | 118 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |  |  |  |
| 1  | 109 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 85  | 85  | 85  | 83  |  |  |  |
| 2  | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 71  | 69  | 69  | 69  | 69  |  |  |  |
| 3  | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 64  | 74  | 68  | 62  | 72  | 66  | 61  | 69  | 64  | 60  | 58  | 58  | 58  | 58  |  |  |  |
| 4  | 82  | 70  | 61  | 54  | 80  | 69  | 60  | 54  | 66  | 59  | 53  | 64  | 58  | 52  | 62  | 56  | 52  | 50  | 50  | 50  | 50  |  |  |  |
| 5  | 76  | 63  | 53  | 47  | 73  | 61  | 53  | 46  | 59  | 52  | 46  | 57  | 51  | 45  | 55  | 50  | 45  | 43  | 43  | 43  | 43  |  |  |  |
| 6  | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 54  | 46  | 40  | 52  | 45  | 40  | 50  | 44  | 40  | 37  | 37  | 37  | 37  |  |  |  |
| 7  | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  | 47  | 40  | 35  | 46  | 40  | 35  | 33  | 33  | 33  | 33  |  |  |  |
| 8  | 60  | 47  | 38  | 32  | 59  | 46  | 38  | 32  | 45  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 31  | 29  | 29  | 29  | 29  |  |  |  |
| 9  | 56  | 43  | 35  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 28  | 27  | 27  | 27  | 27  |  |  |  |
| 10 | 53  | 39  | 32  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 26  | 24  | 24  | 24  | 24  |  |  |  |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

### AVAILABLE COLOR INSERTS FOR RL475 - 4" RETROFIT



RL475-RT-BZ  
(Bronze)



RL475-RT-BK  
(Black)



RL475-RT-CH  
(Chrome)



RL475-RT-CP  
(Copper)



RL475-RT-SN  
(Satin Nickel)

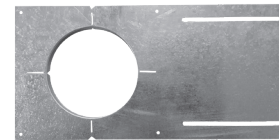
### AVAILABLE ACCESSORIES FOR RL475 - 4" RETROFIT



RL-ACC-SLIM-1-10F  
10-ft long extension



RL-ACC-SLIM-1-20F  
20-ft long extension



RL-ACC-SLIM-4-ROUGHPLATE

### INSTALLATION

- Cut hole in ceiling and snap fixture in opening with attached spring clips. Space in ceiling needed for the driver to fit through the ceiling height – 2".