

| NOMINAL LUMENS | DELIVERED LUMENS | WATTAGE |
|----------------|------------------|---------|
| 600 | 654 | 8W |
| 1000 | 1158 | 14W |

Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

INSTALLATION

Cut hole in ceiling. Insert luminaire into opening by squeezing spring clips on both sides of luminaire. The width in ceiling needed for the driver to fit is 3".

FEATURES

2" round LED baffle luminaire engineered for new construction, remodel or retrofit to accommodate insulated or dropped ceilings. Remote driver allows easy installation and maintenance. Small aperture and shallow depth are ideal for unlimited applications.

| | |
|-------------------|---|
| LUMENS | 600, 1000 |
| CCT | 27K, 30K, 35K, 40K |
| CRI | 90+ |
| COLOR QUALITY | 3-Step MacAdam Ellipse |
| CONSTRUCTION | Aluminum die-cast body and trim |
| TRIM OPTION | Round Baffle |
| COLORS | WH (White-standard) |
| DIMMING | DIMTR (Triac) |
| EMERGENCY | 16W high voltage inverter |
| LIFETIME | L70 at 50,000 Hours |
| PHOTOMETRIC TESTS | In Accordance with IES LM79-08, LM80 and TM-30, TM-21 |

- IC-Rated and Air-Tight ready and may be in direct contact with insulation.
- Can be installed in applications with limited plenum clearance.
- May be installed in drywall or suspended ceilings.
- Flicker-free 120V forward-phase Triac dimming down to 5%.
- Even illumination of luminaire is achieved by utilizing patent-pending optics along with edgelit LED technology.
- Aluminum die-cast body and trim.



SLIM TRIM



EXAMPLE: **RL275-600L-DIMTR-120-30K-90-WH**

| TYPE | LUMEN | CCT | CRI | FINISH |
|-------|--|--|------------------------------|--|
| RL275 | <input type="checkbox"/> 1000L-DIMTR-120 | <input type="checkbox"/> 27K | <input type="checkbox"/> 90+ | <input type="checkbox"/> W-WH - White (Standard) |
| | <input type="checkbox"/> 600L-DIMTR-120 | <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K | | |

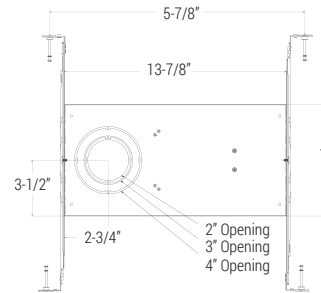
ACCESSORIES



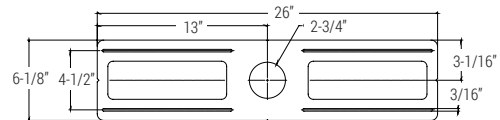
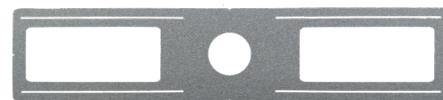
RL-ACC-SLIM-1-10F
10-ft long extension



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



RL-UNV-2/3/4
For use with: 2", 3", 4"
Universal mounting plate



RL-ACC-SLIM-2-ROUGHPLATE
Rough-in plate for use with 2" downlights

RL-ACC-SLIM-1-10F

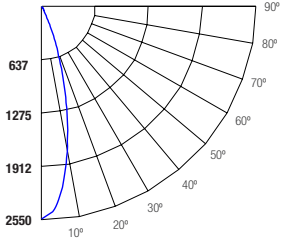
| OPTIONS |
|--|
| <input type="checkbox"/> RL-ACC-SLIM-1-10F - 10ft Long Extension |
| <input type="checkbox"/> RL-ACC-SLIM-1-20F - 20ft Long Extension |
| <input type="checkbox"/> RL-UNV-2/3/4 - Universal Mounting Plate for 2", 3" and 4" |
| <input type="checkbox"/> RL-ACC-SLIM-2-ROUGHPLATE - 2" Mounting Plate |

RL275-600L-DIMTR-120-30K-90-WH

TEST NO.: **EL011927**

INPUT WATTS: **8.3** LUMENS: **654** CRI: **90** EFFICACY: **79** CCT: **3000K** SPACING CRITERIA: **0.48**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

| Zone | Lumens | %Lamp | %Fixt |
|------|--------|-------|-------|
| 0-20 | 497.62 | 76.10 | 76.10 |
| 0-30 | 598.13 | 91.40 | 91.40 |
| 0-40 | 621.78 | 95.00 | 95.00 |
| 0-60 | 647.43 | 99.00 | 99.00 |
| 0-80 | 653.00 | 99.80 | 99.80 |
| 0-90 | 653.01 | 99.80 | 99.80 |

Luminance (Average candela/M²)

| Angle in Degrees | Average | | |
|------------------|---------|------|------|
| | 0° | 45° | 90° |
| 45 | 1266 | 1380 | 1567 |
| 55 | 807 | 923 | 1070 |
| 65 | 406 | 528 | 669 |
| 75 | 2 | 140 | 288 |
| 85 | 6 | 6 | 6 |

Lumens Per Zone

| Zone | Lumens |
|-------|--------|
| 0-10 | 200.25 |
| 10-20 | 297.37 |
| 20-30 | 100.52 |
| 30-40 | 23.65 |
| 40-50 | 15.88 |
| 50-60 | 9.76 |
| 60-70 | 4.61 |
| 70-80 | 0.96 |
| 80-90 | 0.01 |

Candela Tabulation

| θ | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 |
|----|---------|---|----|----|----|----|----|----|----|----|----|
| 0 | 2494.63 | | | | | | | | | | |
| 5 | 2132.44 | | | | | | | | | | |
| 15 | 903.92 | | | | | | | | | | |
| 25 | 115.37 | | | | | | | | | | |
| 35 | 32.23 | | | | | | | | | | |
| 45 | 18.02 | | | | | | | | | | |
| 55 | 9.32 | | | | | | | | | | |
| 65 | 3.45 | | | | | | | | | | |
| 75 | 0.01 | | | | | | | | | | |
| 85 | 0.01 | | | | | | | | | | |
| 90 | 0.01 | | | | | | | | | | |

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% | 50% | 30% |
| ROOM CAVITY RATIO | 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1 | 115 | 112 | 110 | 109 | 109 | 112 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 101 | 100 | 99 | 98 | 97 | 96 | 95 |
| 2 | 110 | 107 | 103 | 101 | 101 | 108 | 105 | 102 | 100 | 102 | 99 | 97 | 99 | 97 | 95 | 96 | 95 | 96 | 95 | 93 |
| 3 | 107 | 102 | 98 | 95 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 92 | 95 | 93 | 91 | 93 | 91 | 90 | 88 | 88 |
| 4 | 103 | 97 | 93 | 90 | 90 | 101 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | 85 |
| 5 | 100 | 93 | 89 | 86 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 82 |
| 6 | 96 | 90 | 85 | 82 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 79 | 79 |
| 7 | 93 | 86 | 82 | 79 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 77 | 76 | 76 |
| 8 | 91 | 84 | 79 | 76 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | 74 |
| 9 | 88 | 81 | 77 | 74 | 74 | 87 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | 72 |
| 10 | 86 | 78 | 74 | 71 | 71 | 85 | 78 | 74 | 71 | 77 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 70 | 70 |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

| Beam Dia. (ft) | Initial Foc. (ft) | Beam Vert. Spread (ft) | Beam Horiz. Spread (ft) |
|----------------|-------------------|------------------------|-------------------------|
| 2 | 624 | 1 | 1 |
| 4 | 156 | 1.9 | 1.9 |
| 6 | 69.3 | 2.9 | 2.9 |
| 8 | 39 | 3.9 | 3.9 |
| 10 | 24.9 | 4.8 | 4.9 |
| 12 | 17.3 | 5.8 | 5.8 |

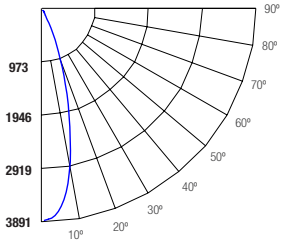
BEAM DIA. MEASURED AT 50% OF NADIR F.C.

RL275-1000L-DIMTR-120-30K-90-WH

TEST NO.: **EL11121929**

INPUT WATTS: **14.7552** LUMENS: **1158** CRI: **90** EFFICACY: **78** CCT: **3000K** SPACING CRITERIA: **0.50**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

| Zone | Lumens | %Lamp | %Fixt |
|------|---------|-------|-------|
| 0-20 | 827.89 | 71.50 | 71.50 |
| 0-30 | 1042.37 | 90.00 | 90.00 |
| 0-40 | 1090.49 | 94.20 | 94.20 |
| 0-60 | 1143.19 | 98.70 | 98.70 |
| 0-80 | 1157.17 | 99.90 | 99.90 |
| 0-90 | 1157.19 | 99.90 | 99.90 |

Luminance (Average candela/M²)

| Angle in Degrees | Average | | |
|------------------|---------|-------|-------|
| | 0° | 45° | 90° |
| 45 | 18279 | 18512 | 20027 |
| 55 | 13183 | 12962 | 13577 |
| 65 | 8310 | 7978 | 8286 |
| 75 | 3082 | 2751 | 3134 |
| 85 | 79 | 39 | 39 |

Lumens Per Zone

| Zone | Lumens |
|-------|--------|
| 0-10 | 320.90 |
| 10-20 | 506.99 |
| 20-30 | 214.49 |
| 30-40 | 48.11 |
| 40-50 | 31.90 |
| 50-60 | 20.80 |
| 60-70 | 10.95 |
| 70-80 | 3.03 |
| 80-90 | 0.01 |

Candela Tabulation

| θ | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 |
|----|---------|---|----|----|----|----|----|----|----|----|----|
| 0 | 3874.53 | | | | | | | | | | |
| 5 | 3532.41 | | | | | | | | | | |
| 15 | 1621.12 | | | | | | | | | | |
| 25 | 269.55 | | | | | | | | | | |
| 35 | 63.06 | | | | | | | | | | |
| 45 | 37.76 | | | | | | | | | | |
| 55 | 22.09 | | | | | | | | | | |
| 65 | 10.26 | | | | | | | | | | |
| 75 | 2.33 | | | | | | | | | | |
| 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% | 50% | 30% |
| ROOM CAVITY RATIO | 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1 | 114 | 112 | 110 | 108 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 |
| 2 | 110 | 106 | 103 | 100 | 100 | 108 | 104 | 101 | 99 | 101 | 99 | 97 | 98 | 96 | 95 | 96 | 94 | 93 | 91 | 91 |
| 3 | 106 | 101 | 97 | 93 | 93 | 104 | 99 | 96 | 93 | 97 | 94 | 91 | 95 | 92 | 90 | 92 | 90 | 89 | 87 | 87 |
| 4 | 102 | 96 | 92 | 88 | 88 | 100 | 95 | 91 | 88 | 93 | 89 | 87 | 91 | 88 | 86 | 89 | 87 | 85 | 84 | 84 |
| 5 | 99 | 92 | 87 | 84 | 84 | 97 | 91 | 87 | 84 | 89 | 86 | 83 | 88 | 85 | 82 | 86 | 84 | 81 | 80 | 80 |
| 6 | 95 | 88 | 84 | 80 | 80 | 94 | 87 | 83 | 80 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 78 | 77 | 77 |
| 7 | 92 | 85 | 80 | 77 | 77 | 91 | 84 | 80 | 77 | 83 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 74 | 74 |
| 8 | 89 | 82 | 77 | 74 | 74 | 88 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 78 | 75 | 73 | 72 | 72 |
| 9 | 86 | 79 | 74 | 71 | 71 | 85 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 69 | 69 |
| 10 | 84 | 76 | 72 | 69 | 69 | 83 | 76 | 72 | 69 | 75 | 71 | 69 | 75 | 71 | 68 | 74 | 71 | 68 | 67 | 67 |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

| Beam Dia. (ft) | Initial Foc. (ft) | Beam Vert. Spread (ft) | Beam Horiz. Spread (ft) |
|----------------|-------------------|------------------------|-------------------------|
| 2 | 969 | 1.1 | 1 |
| 4 | 242 | 2.1 | 2.1 |
| 6 | 108 | 3.2 | 3.1 |
| 8 | 60.5 | 4.2 | 4.1 |
| 10 | 38.7 | 5.3 | 5.1 |
| 12 | 26.9 | 6.3 | 6.2 |

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