

FEATURES

LED adjustable gimbal downlight engineered for new construction, with 360-degree rotation and 30-degree tilt. Ideal where ceiling or top access is not available to service the luminaire. Eliminates the need for recessed housing. Ideal for residential, retail, and office spaces.

| | |
|-------------------|---|
| LUMENS | 360 |
| CCT | 27K, 30K, 35K, 40K |
| CRI | 90+ |
| COLOR QUALITY | 3-Step MacAdam Ellipse |
| CONSTRUCTION | Aluminum die-cast body and trim |
| TRIM OPTION | Round Adjustable |
| BEAM ANGLE | 30 Degrees |
| DISTRIBUTION | MD- Medium Distribution |
| COLORS | WH (White-standard) |
| DIMMING | DIMTR (Triac) |
| EMERGENCY | 16W high voltage inverter (remote) |
| 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 1 ½" or more of plenum clearance.
- May be installed in drywall or suspended ceilings.
- 90 CRI standard.
- Flicker-free 120V forward-phase Triac dimming down to 5%.
- Even illumination of luminaire is achieved by utilizing patent-pending optics along with edgelit technology.
- Aluminum die-cast body and trim.

| NOMINAL LUMENS | DELIVERED LUMENS | WATTAGE |
|----------------|------------------|---------|
| 360 | 384 | 5W |

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".



SLIM TRIM



EXAMPLE: **RL173-360L-DIMTR-120-30K-90-WH**

| TYPE | LUMEN | CCT | CRI | DISTRIBUTION | FINISH |
|-------|---|--|------------------------------|---|-----------------------------------|
| RL173 | <input type="checkbox"/> 360L-DIMTR-120 | <input type="checkbox"/> 27K | <input type="checkbox"/> 90+ | <input type="checkbox"/> MD - Medium Distribution | <input type="checkbox"/> WH-White |
| | <input type="checkbox"/> 360L-DIMTR-277-347 | <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

EXAMPLE: **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 |

RL173-360L-DIMTR-120-30K-90-MD-WH

INPUT WATTS: **4.6**

LUMENS: **384**

CRI: **90**

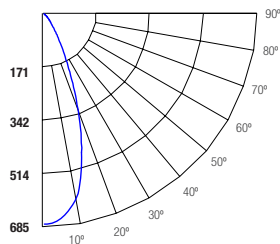
EFFICACY: **83**

CCT: **3000K**

TEST NO.: **EL081826**

SPACING CRITERIA: **0.68**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

| Zone | Lumens | %Lamp | %Fixt |
|------|--------|--------|--------|
| 0-20 | 193.03 | 50.30 | 50.30 |
| 0-30 | 299.71 | 78.10 | 78.10 |
| 0-40 | 347.67 | 90.60 | 90.60 |
| 0-60 | 377.00 | 98.20 | 98.20 |
| 0-80 | 383.12 | 99.80 | 99.80 |
| 0-90 | 383.77 | 100.00 | 100.00 |

Luminance (Average candela/M²)

| Angle in Degrees | Average | | |
|------------------|---------|-------|-------|
| | 0° | 45° | 90° |
| 45 | 19585 | 25749 | 30674 |
| 55 | 8681 | 11234 | 9433 |
| 65 | 5146 | 5919 | 6738 |
| 75 | 3734 | 4357 | 4668 |
| 85 | 2827 | 5055 | 5545 |

Lumens Per Zone

| Zone | Lumens |
|-------|--------|
| 0-10 | 59.82 |
| 10-20 | 133.21 |
| 20-30 | 106.68 |
| 30-40 | 47.96 |
| 40-50 | 21.35 |
| 50-60 | 7.98 |
| 60-70 | 4.22 |
| 70-80 | 1.90 |
| 80-90 | 0.65 |

Candela Tabulation

| 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 |
|----|--------|--------|--------|--------|-------|-------|-------|------|------|------|
| 0 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 5 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 15 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 25 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 35 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 45 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 55 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 65 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 75 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 85 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |
| 90 | 667.12 | 681.59 | 590.08 | 324.23 | 98.09 | 29.23 | 10.51 | 4.59 | 2.04 | 0.52 |

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

| ROOM CAVITY RATIO | 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% | | | | |
| 0 | 119 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 | | | | |
| 1 | 114 | 111 | 109 | 106 | 111 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 97 | 96 | 96 | 96 | 94 | 94 | | | | |
| 2 | 108 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 89 | 88 | 88 | 88 | 88 | | | | |
| 3 | 103 | 97 | 92 | 89 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | 82 | 82 | 82 | 82 | | | | |
| 4 | 98 | 91 | 86 | 82 | 97 | 90 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 80 | 84 | 81 | 79 | 77 | 77 | 77 | 77 | 77 | | | | |
| 5 | 94 | 86 | 81 | 77 | 92 | 85 | 80 | 76 | 83 | 79 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 73 | 73 | 73 | 73 | 73 | | | | |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 72 | 79 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 69 | 69 | 69 | 69 | 69 | | | | |
| 7 | 86 | 77 | 72 | 68 | 85 | 77 | 71 | 67 | 75 | 71 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 65 | 65 | 65 | 65 | 65 | | | | |
| 8 | 82 | 73 | 68 | 64 | 81 | 73 | 67 | 64 | 72 | 67 | 64 | 71 | 66 | 63 | 70 | 66 | 63 | 62 | 62 | 62 | 62 | 62 | | | | |
| 9 | 79 | 70 | 64 | 61 | 78 | 69 | 64 | 61 | 68 | 64 | 61 | 68 | 63 | 60 | 67 | 63 | 60 | 59 | 59 | 59 | 59 | 59 | | | | |
| 10 | 76 | 67 | 61 | 58 | 75 | 66 | 61 | 58 | 65 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 57 | 56 | 56 | 56 | 56 | 56 | | | | |

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

| Cone of Light | | | |
|---------------|------|-----|-----|
| 2 | 167 | 1.5 | 1.5 |
| 4 | 41.7 | 3 | 3.1 |
| 6 | 18.5 | 4.5 | 4.6 |
| 8 | 10.4 | 6 | 6.1 |
| 10 | 6.67 | 7.5 | 7.7 |
| 12 | 4.63 | 9 | 9.2 |

(FT.) Distance to Plane (FC.) Initial Footcandle at Nadir (FT.) Beam Vert. Spread (FT.) Beam Horiz. Spread

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