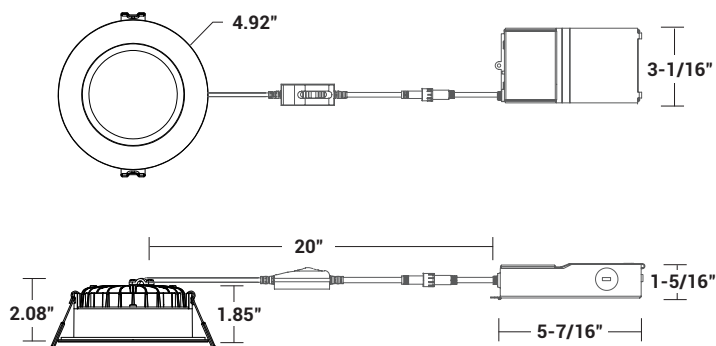




EASY 5 COLORS  
**SELECCTOR**  
2700K • 3000K • 3500K • 4000K • 5000K



## DIMENSIONS



**Recommended Hole Cut-out Size: 4.1/2"**

| NOMINAL LUMENS | DELIVERED LUMENS | WATTAGE |
|----------------|------------------|---------|
| 1200L          | 1274L            | 14W     |

Based on 4000K, 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".

For wet location application, 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. Installation hole size: 4-1/2"

## FEATURES

This 4" canless LED downlight spotlights precise, focused, and high output illumination while remaining super-efficient. Equipped with dual dimming and multi-CCT for versatile performance, while a compact profile and remote driver help fit low plenum spaces. Ideal for new construction, remodel, or retrofit applications in residential, multi-family, hospitality, and commercial spaces with high ceilings and open plans. No recessed housing necessary.

Accommodates insulated or dropped ceilings. Airtight, wet location, and IC rated.

|               |                                                       |
|---------------|-------------------------------------------------------|
| LUMENS        | 1200L                                                 |
| CCT           | 27K/30K/35K/40K/50K                                   |
| CRI           | 90+                                                   |
| COLOR QUALITY | 2-Step MacAdam Ellipse                                |
| MOUNTING      | Recessed                                              |
| DIMMING       | Dual Dimming: DIM10 5% 0-10V, DIMTR 5% Triac          |
| FINISH        | White (W-WH)                                          |
| DISTRIBUTION  | 90°                                                   |
| WORKING TEMP. | -20°C (-4°F) to 40°C (104°F)                          |
| LIFETIME      | L70 at 50,000 Hours                                   |
| PHOTOMETRIC   | In accordance with IES LM79-08, LM80 and TM-30, TM-21 |



#### OPTICS

Features a regressed frosted polystyrene lens and aluminum reflector for smooth, low-glare illumination. A backlit LED arrangement ensures even beam without dark spots and a superior 80% efficiency with an efficacy of 82 lumens per watt.

A CRI value of 90+ guarantees vibrant, natural color display.

Available in 1200L and 5 selectable color temperatures of 2700K/3000K/3500K/4000K/5000K to enable different warm to cool moods and atmospheres.

CCT factory set to 50K.

#### CONSTRUCTION

Housing made from a durable, lightweight aluminum; designed with a slim profile ideal for low plenum spaces.

A finned back plate design allows for advanced heat dissipation, for optimal luminaire operation.

Pre-attached spring clips allow for easy installation.

Multi-CCT switches located on remote driver cable. Cable length is 20".

Fully gasketed and sealed for wet location use. Airtight and IC rated. Available in a white finish.

#### MOUNTING

Suitable for recessed mounting in new construction and retrofit applications. Recommended hole cut-out size is 4-1/2".

#### MAINTENANCE

Fixture may be wiped down with a dry cloth for optimal performance.

#### OPTIONS & ACCESSORIES

Roughplate, cable, and emergency battery back-up options available to order separately:

- RL-UNV-1/2/3/4/5/6/7/8/9/10
- RL-UNV-4/5/6
- RL-ACC-SLIM-4-ROUGHPLATE
- AL-ACC-SLIM-4-F-ROUGHPLATE
- RL-ACC-SLIM-1-10F
- RL-ACC-SLIM-1-20F
- Emergency (consult factory for more details)

#### DRIVER & ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V or 120V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

#### DIMMING

DIM10 - 5% 0-10V flicker-free dimming at 120-277V.  
DIMTR - 5% TRIAC dimming at 120V.

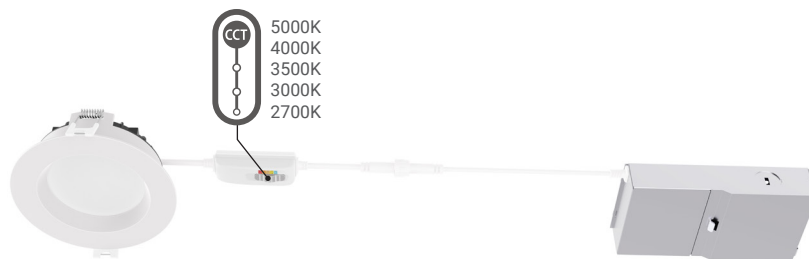
#### WARRANTY

5-year warranty for parts and components (labor not included).

#### LISTINGS

ETL listed.  
Energy Star compliant.  
JA8 and Title 24 compliant.  
Wet location rated.  
FCC Part 15 Class B compliant (standard dimming driver).  
IC rated, air-tight, and ready to be in contact with insulation.

#### MULTI-CCT SWITCH



Example: **RL451-1200L-DIMTR/120-DIM10/MVOLT-27K/30K/35K/40K/50K-90-W-WH**

| RL451                                        |        |                                         |                     |                     |     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|--------|-----------------------------------------|---------------------|---------------------|-----|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SERIES                                       | LUMENS | DIMMING                                 | VOLTAGE             | CCT                 | CRI | FINISH       | OPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RL451<br>4" Round Canless<br>High Output LED | 1200L  | DIMTR/120-DIM10<br>(Triac-120V & 0-10V) | MVOLT<br>(120-277V) | 27K/30K/35K/40K/50K | 90  | W-WH - White | <b>O-EMG-LED</b> - Emergency Battery Back-up<br>(Consult factory for more details)<br><br><b>RL-UNV-1/2/3/4/5/6/8/10</b> - Universal Mounting<br>Plate for 1", 2", 3", 4", 5", 6", 8" and 10" Downlights<br><b>RL-UNV-4/5/6</b> - Universal Mounting Plate for 4",<br>5" and 6" Downlights<br><b>RL-ACC-SLIM-4-ROUGHPLATE</b> - 4" Mounting<br>Plate for 4" Downlight<br><b>AL-ACC-SLIM-4-F-ROUGHPLATE</b> - 4" Mounting<br>Plate for 4" Downlight<br><br><b>RL-ACC-SLIM-1-10F</b> - 10' Extension Cord<br><b>RL-ACC-SLIM-1-20F</b> - 20' Extension Cord |

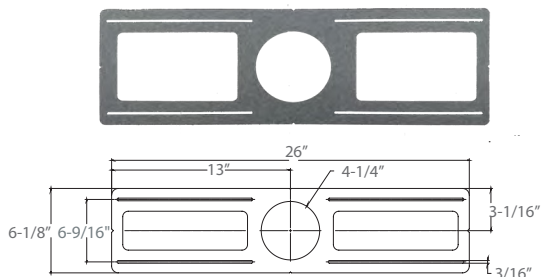
**OPTION & ACCESSORIES**



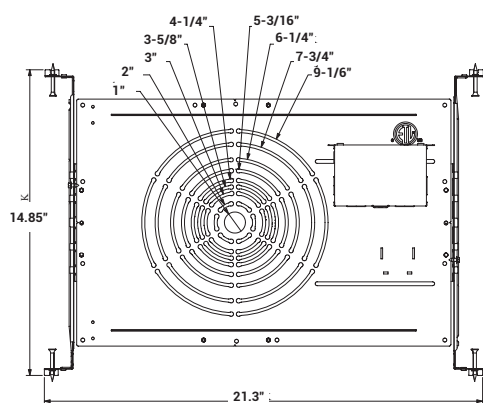
**RL-ACC-SLIM-1-10F**  
10-ft long extension

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

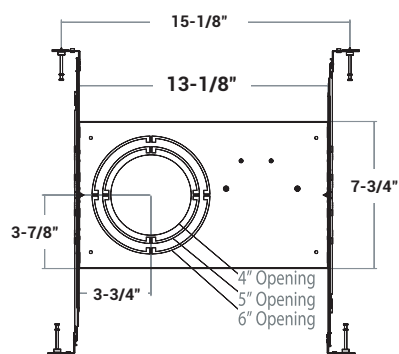
**RL-ACC-SLIM-4-ROUGHPLATE**  
For 4" downlights



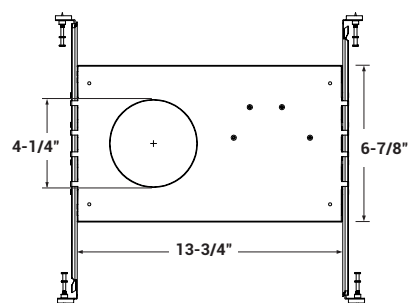
**RL-UNV-1/2/3/4/5/6/8/10**  
For use with 1", 2", 3", 4", 5", 6", 8", and 10" downlights



**RL-UNV-4/5/6**  
For use with 4", 5", and 6" downlights



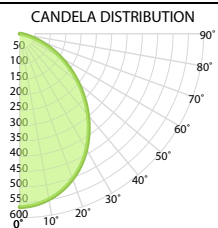
**AL-ACC-SLIM-4-F-ROUGHPLATE**  
For 4" downlights



RL451-1200L-DIMTR-120-DIM10-MVOLT-27K-30K-35K-40K-50K-90-W-WH

TEST NO.: EL11272488

INPUT WATTS: 14.1      LUMENS: 1274      EFFICACY: 90      BEAM ANGLE: 95      SPACING CRITERIA: 1.14



CONE OF LIGHT

| MOUNTING HEIGHT | FC AT BEAM CENTER | BEAM DIA. 0°-180° | BEAM DIA. 90°-270° |
|-----------------|-------------------|-------------------|--------------------|
| 6.0 ft          | 15.7 fc           | 13.0 ft           | 13.2 ft            |
| 8.0 ft          | 8.8 fc            | 17.3 ft           | 17.5 ft            |
| 10.0 ft         | 5.7 fc            | 21.7 ft           | 21.9 ft            |
| 12.0 ft         | 3.9 fc            | 26.0 ft           | 26.3 ft            |
| 14.0 ft         | 2.9 fc            | 30.3 ft           | 30.7 ft            |
| 16.0 ft         | 2.2 fc            | 34.7 ft           | 35.1 ft            |
| 18.0 ft         | 1.7 fc            | 39.0 ft           | 39.5 ft            |
| 20.0 ft         | 1.4 fc            | 43.3 ft           | 43.9 ft            |

| CANDELA TABLE |     |     |
|---------------|-----|-----|
|               | 0°  | 90° |
| 0°            | 565 | 573 |
| 10°           | 548 | 560 |
| 20°           | 504 | 520 |
| 30°           | 435 | 455 |
| 40°           | 346 | 367 |
| 50°           | 250 | 270 |
| 60°           | 155 | 172 |
| 70°           | 69  | 81  |
| 80°           | 13  | 16  |
| 90°           | 0   | 0   |

| LUMINANCE (cd/sq.m) |       |        |
|---------------------|-------|--------|
|                     | 0.00° | 90.00° |
| 0.00°               | 48417 | 49044  |
| 45.00°              | 36169 | 38605  |
| 55.00°              | 30156 | 32950  |
| 65.00°              | 22333 | 25339  |
| 75.00°              | 11312 | 14489  |
| 85.00°              | 4226  | 6398   |

| LUMENS PER ZONE |        |
|-----------------|--------|
| ZONE            | LUMENS |
| 0° - 10°        | 57     |
| 10° - 20°       | 150    |
| 20° - 30°       | 220    |
| 30° - 40°       | 250    |
| 40° - 50°       | 237    |
| 50° - 60°       | 189    |
| 60° - 70°       | 118    |
| 70° - 80°       | 46     |
| 80° - 90°       | 8      |

| ZONAL LUMEN SUMMARY |        |             |
|---------------------|--------|-------------|
| ZONE                | LUMENS | % LUMINAIRE |
| 0° - 20°            | 206    | 16%         |
| 0° - 30°            | 426    | 33%         |
| 0° - 40°            | 676    | 53%         |
| 0° - 60°            | 1102   | 86%         |
| 0° - 80°            | 1266   | 99%         |
| 0° - 90°            | 1274   | 100%        |

INDOOR COEFFICIENTS OF UTILIZATION

| pf<br>pc<br>pw | 20% |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 0% |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|                | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     | 10% | 0%  |    |
|                | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0%  |    |
| 0              | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |
| 1              | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 90  | 89  | 87  |    |
| 2              | 101 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  | 85  | 82  | 78  | 82  | 79  | 76  | 74  |    |
| 3              | 93  | 84  | 76  | 70  | 91  | 82  | 75  | 70  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 70  | 66  | 64  |    |
| 4              | 86  | 75  | 67  | 60  | 84  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 56  |    |
| 5              | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 52  | 64  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 49  |    |
| 6              | 73  | 61  | 53  | 47  | 72  | 60  | 52  | 46  | 58  | 51  | 46  | 57  | 50  | 46  | 55  | 50  | 45  | 43  |    |
| 7              | 68  | 56  | 47  | 41  | 67  | 55  | 47  | 41  | 53  | 46  | 41  | 52  | 45  | 41  | 51  | 45  | 40  | 39  |    |
| 8              | 64  | 51  | 43  | 37  | 62  | 50  | 43  | 37  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 35  |    |
| 9              | 60  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |    |
| 10             | 56  | 43  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 30  | 40  | 34  | 30  | 29  |    |