

## LED Luminaires

### ProLED Select Downlight Retrofit Series

- Five Selectable Color Temperatures
- 90+ CRI for Superior Color Rendering
- Dimmable to 5%
- Baffle and Smooth Trim
- UL Listed for Wet Locations

### Specifications

#### Description

The ProLED Select Retrofit Downlight Series provides a high performing solution for all retrofit downlighting projects. This product is five CCT Selectable which offers the ultimate in flexibility and performance and is perfect to find the desired look and feel of your space.

#### Construction

- CCT select dipswitch on driver housing
- Matte white metal housing
- Diffused polycarbonate lens
- Baffle and smooth trim style
- 4" Fixture - friction clips installation
- 6" Fixture - torsion spring installation compatible with most 5/6" cans
- E26 adaptor - included in box

#### Certifications

- ETL Listed
- Energy Star Certified
- IC Rated
- Wet Location
- Title 20 Compliant
- JA-8 Compliant

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
CATALOG #: \_\_\_\_\_



#### Performance

- Selectable color temperatures 2700K, 3000K, 3500K, 4000K, 5000K
- Up to 106 lumens per watt
- High CRI 90+
- L70 lumen maintenance > 50,000 hours
- Dimmable to 5% on compatible dimmers
- 120VAC input
- 5 year limited warranty

## ProLED Select Downlight Retrofit Series

### Ordering Logic

| Series                   | Product Size             | Wattage                            | CCT                                                    | Trim Style                           |
|--------------------------|--------------------------|------------------------------------|--------------------------------------------------------|--------------------------------------|
| RDL = Retrofit Downlight | 4 = 4 Inch<br>6 = 6 Inch | 8 = 8W<br>10.5 = 10.5W<br>14 = 14W | CS = Color Selectable<br>2700K/3000K/3500K/4000K/5000K | ST = Smooth Trim<br>BT = Baffle Trim |

### Ordering Information

| Product SKU | Product Code    | Product Description                                                              | Energy Star Product ID |
|-------------|-----------------|----------------------------------------------------------------------------------|------------------------|
| 87983       | RDL4-8-CS-BT    | ProLED Select Retrofit Downlight 4" 8W 700lm CCT Selectable Baffle Trim          | 3554912                |
| 87984       | RDL6-10.5-CS-BT | ProLED Select Retrofit Downlight 6" 10.5W 900lm CCT Selectable Baffle Trim       | 3554913                |
| 87985       | RDL6-14-CS-BT   | ProLED Select Retrofit Downlight 6" 14W 1200lm CCT Selectable Baffle Trim        | 3554914                |
| 87986       | RDL4-8-CS-ST    | ProLED Select Retrofit Downlight 4" 8W 700lm CCT Selectable Smooth Trim          | 3554912                |
| 87987       | RDL6-10.5-CS-ST | ProLED Select Retrofit Downlight 6" 10.5W 900lm CCT Selectable Smooth Trim       | 3554913                |
| 87988       | RDL6-14-CS-ST   | ProLED Select Retrofit Downlight 6" 14W 1200lm CCT Selectable Smooth Trim        | 3554914                |
| Accessories |                 |                                                                                  |                        |
| 87960       | RDL4-RT-BT-BK   | ProLED Select Retrofit Downlight 4" Round Replaceable Baffle Trim Black          |                        |
| 87961       | RDL6-RT-BT-BK   | ProLED Select Retrofit Downlight 6" Round Replaceable Baffle Trim Black          |                        |
| 87962       | RDL4-RT-ST-BK   | ProLED Select Retrofit Downlight 4" Round Replaceable Smooth Trim Black          |                        |
| 87963       | RDL6-RT-ST-BK   | ProLED Select Retrofit Downlight 6" Round Replaceable Smooth Trim Black          |                        |
| 87964       | RDL4-RT-BT-BN   | ProLED Select Retrofit Downlight 4" Round Replaceable Baffle Trim Brushed Nickel |                        |
| 87965       | RDL6-RT-BT-BN   | ProLED Select Retrofit Downlight 6" Round Replaceable Baffle Trim Brushed Nickel |                        |
| 87966       | RDL4-RT-ST-BN   | ProLED Select Retrofit Downlight 4" Round Replaceable Smooth Trim Brushed Nickel |                        |
| 87967       | RDL6-RT-ST-BN   | ProLED Select Retrofit Downlight 6" Round Replaceable Smooth Trim Brushed Nickel |                        |
| 87968       | RDL4-RT-BT-BZ   | ProLED Select Retrofit Downlight 4" Round Replaceable Baffle Trim Bronze         |                        |
| 87969       | RDL6-RT-BT-BZ   | ProLED Select Retrofit Downlight 6" Round Replaceable Baffle Trim Bronze         |                        |
| 87970       | RDL4-RT-ST-BZ   | ProLED Select Retrofit Downlight 4" Round Replaceable Smooth Trim Bronze         |                        |
| 87971       | RDL6-RT-ST-BZ   | ProLED Select Retrofit Downlight 6" Round Replaceable Smooth Trim Bronze         |                        |
| 87972       | RDL6-RB         | ProLED Select Retrofit Downlight 6" Friction Installation Band                   |                        |
| 87973       | RDL4-GR         | ProLED Select Retrofit Downlight 4" Goof Ring 4"-6"                              |                        |
| 87974       | RDL6-GR         | ProLED Select Retrofit Downlight 6" Goof Ring 6"-8"                              |                        |

## ProLED Select Downlight Retrofit Series

### Specifications Table

|                       | RDL4-8-CS-BT                                   | RDL6-10.5-CS-BT | RDL6-14-CS-BT   | RDL4-8-CS-ST   | RDL6-10.5-CS-ST | RDL6-14-CS-ST   |
|-----------------------|------------------------------------------------|-----------------|-----------------|----------------|-----------------|-----------------|
| Nominal Wattage       | 8W                                             | 10.5W           | 14W             | 8W             | 10.5W           | 14W             |
| Delivered Lumens      | 707lm - 791lm                                  | 926lm - 1078lm  | 1219lm - 1318lm | 757lm - 849lm  | 965lm - 1084lm  | 1276lm - 1380lm |
| Efficacy (lm/W)       | 83LPW - 98LPW                                  | 88LPW - 102LPW  | 87LPW - 94LPW   | 94LPW - 106LPW | 91LPW - 103LPW  | 91LPW - 98LPW   |
| CCT                   | Selectable - 2700K, 3000K, 3500K, 4000K, 5000K |                 |                 |                |                 |                 |
| CRI                   | 92+                                            |                 |                 |                |                 |                 |
| L70 Lifetime (hrs)    | 50,000                                         |                 |                 |                |                 |                 |
| Voltage               | 120VAC                                         |                 |                 |                |                 |                 |
| Power Factor          | >0.9                                           |                 |                 |                |                 |                 |
| Dimming               | >5%                                            |                 |                 |                |                 |                 |
| Housing               | Metal                                          |                 |                 |                |                 |                 |
| Lens                  | Diffused Polycarbonate Lens                    |                 |                 |                |                 |                 |
| Operating Temperature | -20°C - 40°C                                   |                 |                 |                |                 |                 |
| Listings              | ETL, Energystar, Title 20, Title 24, JA-8      |                 |                 |                |                 |                 |
| Environment           | UL Wet Location, IC Rated                      |                 |                 |                |                 |                 |
| Warranty              | 5 Years Standard                               |                 |                 |                |                 |                 |

### Performance Table

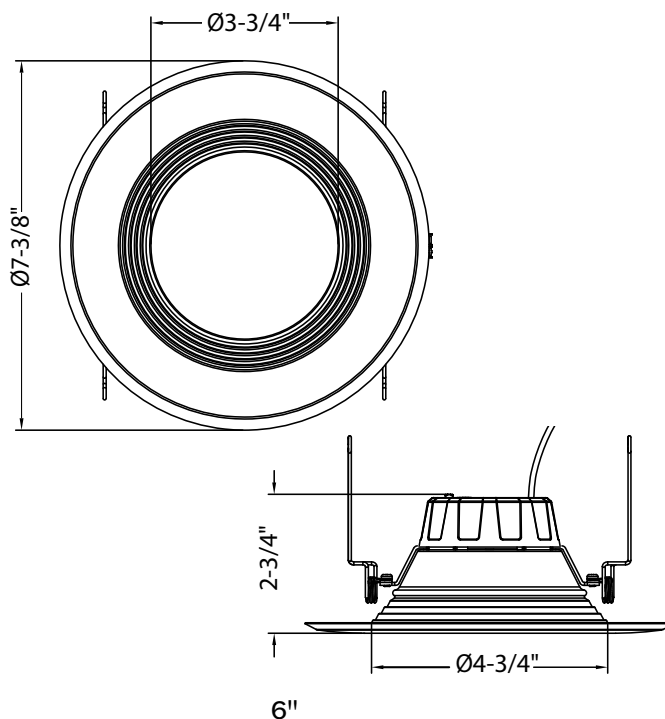
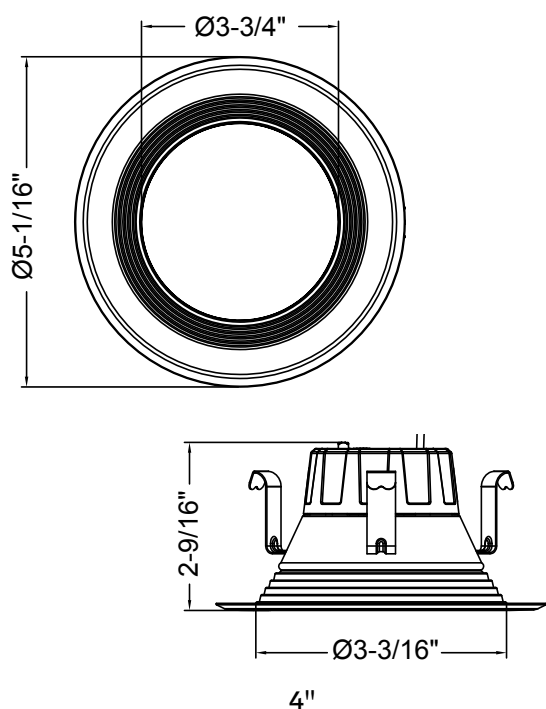
|                 |         | 2700K             | 3000K             | 3500K             | 4000K             | 5000K             |
|-----------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Product Code    | Wattage | Lumen Output (lm) | Lumen Output (lm) | Lumen Output (lm) | Lumen Output (lm) | Lumen Output (lm) |
| RDL4-8-CS-BT    | 8       | 707               | 741               | 782               | 791               | 770               |
| RDL6-10.5-CS-BT | 10.5    | 926               | 982               | 1035              | 1048              | 1021              |
| RDL6-14-CS-BT   | 14      | 1219              | 1268              | 1318              | 1313              | 1261              |
| RDL4-8-CS-ST    | 8       | 757               | 793               | 838               | 849               | 829               |
| RDL6-10.5-CS-ST | 10.5    | 965               | 1017              | 1069              | 1084              | 1053              |
| RDL6-14-CS-ST   | 14      | 1276              | 1325              | 1378              | 1380              | 1333              |

## ProLED Select Downlight Retrofit Series

### Dimmer Compatibility

| Dimmer Information Description |                | Compatibility |           |           |            |
|--------------------------------|----------------|---------------|-----------|-----------|------------|
| Dimmer Brand                   | Dimmer Model   | 1-fixture     | 4-fixture | 8-fixture | 10-fixture |
| LUTRON                         | MACL-153M      | Yes           | Yes       | Yes       | Yes        |
| LUTRON                         | SCL-153P       | Yes           | Yes       | Yes       | Yes        |
| LUTRON                         | DVCL-153P      | Yes           | Yes       | Yes       | Yes        |
| LUTRON                         | CTCL-153PDH-WH | Yes           | Yes       | Yes       | Yes        |
| LUTRON                         | TGCL-153PH-WH  | Yes           | Yes       | Yes       | Yes        |
| LUTRON                         | DVWCL-153PH-WH | Yes           | Yes       | Yes       | Yes        |
| LEGRAND                        | RHCL453PTC     | Yes           | Yes       | Yes       | Yes        |
| LEGRAND                        | DCL453PTCCCV6  | Yes           | Yes       | Yes       | Yes        |
| LEGRAND                        | HCL453PTCCCV6  | Yes           | Yes       | Yes       | Yes        |
| LEVITON                        | Cat.NO.6674    | Yes           | Yes       | Yes       | Yes        |
| LEVITON                        | R50-IPL06-10M  | Yes           | Yes       | Yes       | Yes        |

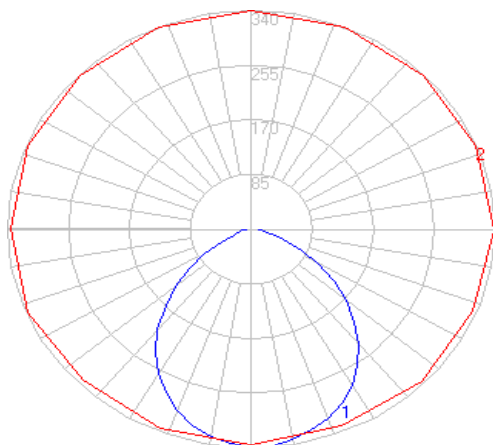
### Dimensions



## ProLED Select Downlight Retrofit Series

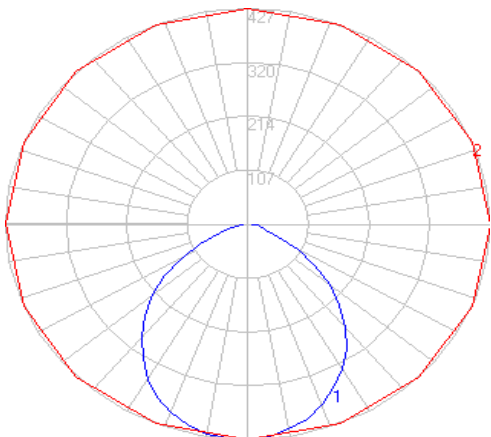
### Photometrics

| Zonal Lumen Summary               |        |       |       |
|-----------------------------------|--------|-------|-------|
| Zone                              | Lumens | %Lamp | %Fixt |
| 0-20                              | 122.05 | N.A.  | 16.1  |
| 0-30                              | 255.35 | N.A.  | 33.7  |
| 0-40                              | 408.62 | N.A.  | 53.9  |
| 0-60                              | 662.29 | N.A.  | 87.3  |
| 0-80                              | 748.44 | N.A.  | 98.6  |
| 0-90                              | 758.75 | N.A.  | 100   |
| Oct-90                            | 726.84 | N.A.  | 95.8  |
| 20-40                             | 286.57 | N.A.  | 37.8  |
| 20-50                             | 430.58 | N.A.  | 56.7  |
| 40-70                             | 315.21 | N.A.  | 41.5  |
| 60-80                             | 86.15  | N.A.  | 11.4  |
| 70-80                             | 24.62  | N.A.  | 3.2   |
| 80-90                             | 10.31  | N.A.  | 1.4   |
| 90-110                            | 0      | N.A.  | 0     |
| 90-120                            | 0      | N.A.  | 0     |
| 90-130                            | 0      | N.A.  | 0     |
| 90-150                            | 0      | N.A.  | 0     |
| 90-180                            | 0      | N.A.  | 0     |
| 110-180                           | 0      | N.A.  | 0     |
| 0-180                             | 758.75 | N.A.  | 100   |
| Total Luminaire Efficiency = 100% |        |       |       |



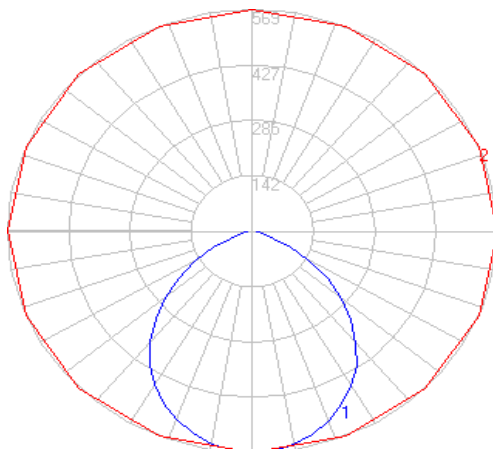
**RDL4-8-CS-ST**

| Zonal Lumen Summary               |        |       |       |
|-----------------------------------|--------|-------|-------|
| Zone                              | Lumens | %Lamp | %Fixt |
| 0-20                              | 154.53 | N.A.  | 16    |
| 0-30                              | 323.89 | N.A.  | 33.5  |
| 0-40                              | 519.49 | N.A.  | 53.7  |
| 0-60                              | 849.57 | N.A.  | 87.8  |
| 0-80                              | 955.07 | N.A.  | 98.7  |
| 0-90                              | 967.36 | N.A.  | 100   |
| Oct-90                            | 927.04 | N.A.  | 95.8  |
| 20-40                             | 364.96 | N.A.  | 37.7  |
| 20-50                             | 551.62 | N.A.  | 57    |
| 40-70                             | 407.12 | N.A.  | 42.1  |
| 60-80                             | 105.5  | N.A.  | 10.9  |
| 70-80                             | 28.46  | N.A.  | 2.9   |
| 80-90                             | 12.28  | N.A.  | 1.3   |
| 90-110                            | 0      | N.A.  | 0     |
| 90-120                            | 0      | N.A.  | 0     |
| 90-130                            | 0      | N.A.  | 0     |
| 90-150                            | 0      | N.A.  | 0     |
| 90-180                            | 0      | N.A.  | 0     |
| 110-180                           | 0      | N.A.  | 0     |
| 0-180                             | 967.36 | N.A.  | 100   |
| Total Luminaire Efficiency = 100% |        |       |       |



**RDL6-10.5-CS-ST**

| Zonal Lumen Summary               |         |       |       |
|-----------------------------------|---------|-------|-------|
| Zone                              | Lumens  | %Lamp | %Fixt |
| 0-20                              | 205.82  | N.A.  | 16.1  |
| 0-30                              | 431.15  | N.A.  | 33.7  |
| 0-40                              | 692.37  | N.A.  | 54.1  |
| 0-60                              | 1126.71 | N.A.  | 88.1  |
| 0-80                              | 1263.25 | N.A.  | 98.7  |
| 0-90                              | 1279.48 | N.A.  | 100   |
| Oct-90                            | 1225.76 | N.A.  | 95.8  |
| 20-40                             | 486.55  | N.A.  | 38    |
| 20-50                             | 733.27  | N.A.  | 57.3  |
| 40-70                             | 533.86  | N.A.  | 41.7  |
| 60-80                             | 136.53  | N.A.  | 10.7  |
| 70-80                             | 37.01   | N.A.  | 2.9   |
| 80-90                             | 16.24   | N.A.  | 1.3   |
| 90-110                            | 0       | N.A.  | 0     |
| 90-120                            | 0       | N.A.  | 0     |
| 90-130                            | 0       | N.A.  | 0     |
| 90-150                            | 0       | N.A.  | 0     |
| 90-180                            | 0       | N.A.  | 0     |
| 110-180                           | 0       | N.A.  | 0     |
| 0-180                             | 1279.48 | N.A.  | 100   |
| Total Luminaire Efficiency = 100% |         |       |       |



**RDL6-10.5-CS-ST**