

# DLE3

## Edge Lit Recessed LED Downlight

### Product Description

The DLE Edge Lit LED Downlight Series offers an attractive visual aesthetic with a low profile in both round and square apertures. The edge-lit technology uses a reflective light guide panel that disperses light through a diffused lens, making it a practical and economical solution with high performance. The ultra-thin fixture depth and off-board driver allow for more flexible installation and increased lifetime with improved thermal management. The DLE fixture uses a plenum-rated cable connector to link the downlight module to the remote driver box and then pops into place with its adjustable, spring-loaded retention tabs for a secure fit, eliminating the need for a J-box or recessed housing. Adding light in tight spaces such as hallways, bathrooms, basements, entryways, porches, stairways, work areas, utility closets and corridors just got easier.

#### Construction

- Cast aluminum housing routes heat away from electrical components
- Edge-Lit technology allows for extremely thin fixture depth
- Adjustable, spring loaded retention tabs ensure secure fixture retention
- Certified for direct contact with insulation
- Includes gasket to meet AirTight requirements

#### Optical System

- Precision engineered optical stack creates uniform light distribution that maximizes lumen output
- CCT offered at 2700K, 3000K, 4000K, 5000K
- Utilizes high performing LEDs with a greater than 90 CRI and an R9 greater than 50

#### Electrical

- Off-board driver minimizes installation height and maximizes fixture life through improved heat management
- Dimmable to less than 5% with compatible TRIAC dimmers
- Operating temperature of 0° to 120°F (-18°C to 49°C)
- Input voltage of 120VAC
- TM-21 Reported L70(9K) hours >54,000

#### Finish

- White powder coat finish standard
- Color trims available in Black, Nickel and Aged Copper
- Available in round configurations

#### Mounting and Installation

- Spring loaded retention arms allow for easy installation into ceiling up to 5/8" thick with no need for a recessed housing
- Off-board driver/junction box includes two 1/2" KOs and three-port poke-in connectors
- Included paper cutting template
- Metal rough in template available
- Extension power cables (2', 10', 20') available
- Suitable for damp locations

#### Warranty

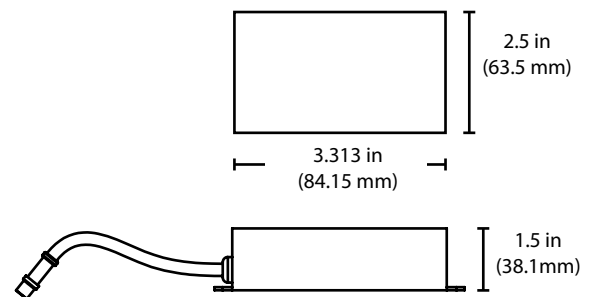
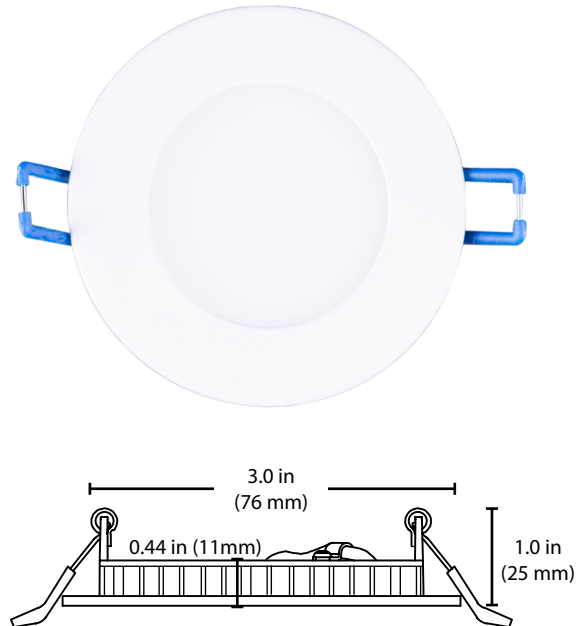
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

Catalog

Type

Date

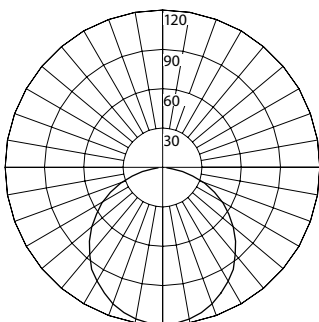


**NICOR**® **LED**

## Photometric Data

### DLE3 2700K RD

|                             |       |
|-----------------------------|-------|
| Input Voltage (VAC)         | 120V  |
| System Level Power (W)      | 6.0   |
| Delivered Lumens (Lm)       | 340   |
| System Efficacy (Lm/W)      | 56.67 |
| Correlated Color Temp (K)   | 2714  |
| Color Rendering Index (CRI) | 90    |
| Beam Angle                  | 110   |
| Spacing Criteria            | 1.24  |



#### Intensity Summary (Candle Power)

| Angle | Mean CP |
|-------|---------|
| 0     | 120     |
| 5     | 120     |
| 15    | 115     |
| 25    | 107     |
| 35    | 94      |
| 45    | 79      |
| 55    | 61      |
| 65    | 42      |
| 75    | 23      |
| 85    | 6       |
| 90    | 0       |

#### CCT Data Multiplier

|              |       |
|--------------|-------|
| DLE321203KRD | 1.029 |
| DLE321204KRD | 1.056 |
| DLE321205KRD | 1.078 |

#### Cone of Light Tabulation

| Mounted height<br>(Feet) | Footcandles<br>Beam Center | Diameter<br>(Feet) |
|--------------------------|----------------------------|--------------------|
| 2                        | 30.1                       | 11.4               |
| 4                        | 7.5                        | 17.1               |
| 6                        | 3.3                        | 22.8               |
| 8                        | 1.9                        | 28.5               |
| 10                       | 1.2                        | 34.3               |
| 12                       | 0.8                        | 40.0               |
| 14                       | 0.6                        | 45.7               |

#### Zonal Lumen Summary

| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30   | 93     | 27.4           |
| 0-40   | 152    | 44.8           |
| 0-60   | 267    | 78.6           |
| 0-90   | 339    | 99.9           |
| 90-180 | 0.51   | 0.1            |
| 0-180  | 340    | 100            |

#### Performance Data

| Model Number | Lumens | Watts | Lumens/Watt |
|--------------|--------|-------|-------------|
| DLE321202KRD | 340    | 6.0   | 56.67       |
| DLE321203KRD | 350    | 6.0   | 58.31       |
| DLE321204KRD | 359    | 6.0   | 59.84       |
| DLE321205KRD | 367    | 6.0   | 61.09       |

#### Recommended Dimmers\*

Lutron Toggler TGCL-153P  
 Lutron Skylark SCL-153P  
 Lutron DIVA DVCL-153P  
 Leviton C22-06672-1LW  
 Lutron Caseta PD-6WCL

\*Not a complete list. Check compatibility before installation.

## Ordering Information

Example: DLE321203KRDWH

| Series | Version       | Voltage | CCT's       | Trim Shape | Trim Color |
|--------|---------------|---------|-------------|------------|------------|
| DLE3   | 2 (Version 2) | 120     | 2K (2700 K) | RD (Round) | WH (White) |
|        |               |         | 3K (3000 K) |            |            |
|        |               |         | 4K (4000 K) |            |            |
|        |               |         | 5K (5000 K) |            |            |

Specifications and dimensions subject to change without notice

### Accessories

accessories sold separately

|                             |                    |
|-----------------------------|--------------------|
| Roughin Template            | ROUGHIN-TEMPLATE-3 |
| 3" AGED COPPER TRIM RING    | DLE3-TR-AC         |
| 3" BLACK TRIM RING          | DLE3-TR-BK         |
| 3" BRUSHED NICKEL TRIM RING | DLE3-TR-NK         |
| 24" Extension Cable         | DLE-EXTCABLE-24    |
| 10' Extension Cable         | DRIVER-EXTCABLE-10 |
| 20' Extension Cable         | DRIVER-EXTCABLE-20 |