

# DLE6 Select

## Edge Lit Recessed LED Downlight

### Product Description

Now part of the NICOR Select line, the DLE Edge Lit Recessed LED Downlight Series offers a clean appearance coupled with simple, housing free installation. Eliminating the need for a J-box or recessed housing, 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 spring loaded retention tabs for a secure fit. The ultra-thin fixture depth and off-board driver allow for a more flexible installation and increased lifetime with improved thermal management. With a micro-switch on the driver housing, the DLE Select offers the ability to adjust the CCT to 3000K, 4000K, or 5000K. Simplify your installations using a single fixture that can be adjusted on the fly with NICOR Select.

#### 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
- Low profile micro-switch on driver housing for CCT selection
- 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

#### Electrical

- Off-board driver minimizes installation height and maximizes fixture life through improved heat management
- Input voltage of 120VAC
- Dimmable to less than 5% with compatible leading edge (TRIAC) and trailing edge (ELV) dimmers
- LM-79 testing performed in accordance with IESNA standards

#### LED

- Dual emitter array enables CCT selection
- CCT Selectable at 3000K, 4000K, or 5000K
- Binned within 4-step MacAdams with  $\pm\leq 0.003$
- TM-21 Reported L70(9K) hours >36,000
- Utilizes high performing LEDs with 90+ CRI and an R9 > 50

#### Finish

- White powder coat finish standard
- Accessory color trims available in Black, Nickel and Oil-Rubbed Bronze

#### Mounting and Installation

- Spring loaded retention tabs allow for easy installation into ceilings up to 3/4" thick with no need for a recessed housing
- Off-board driver/junction box includes two 1/2" KOs, two 3/8" KOs and four-port poke-in connectors
- Included paper cutting template
- Accessory metal rough in template available
- Accessory extension power cables (2' & 10') available
- Suitable for wet locations
- Operating temperature of 0° to 120°F (-18°C to 49°C)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

#### Warranty

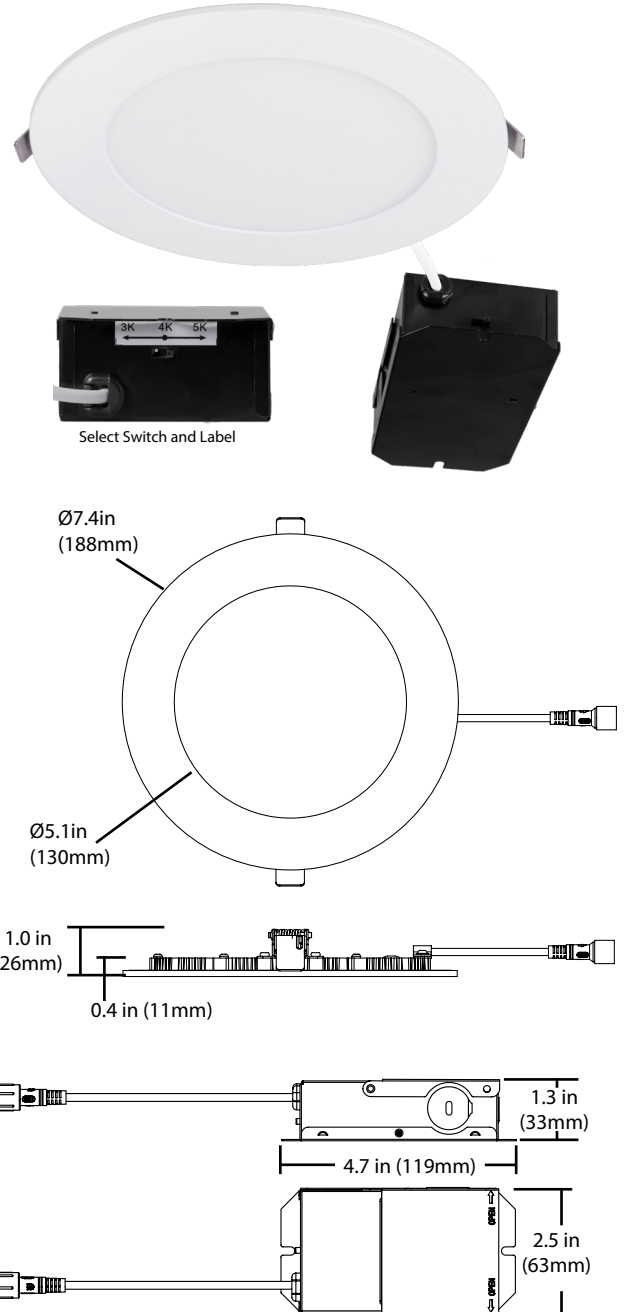
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

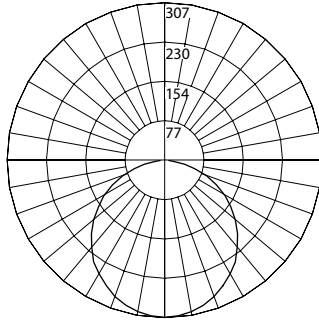
Date



# Photometric Data

## DLE6 3000K RD

|                             |      |
|-----------------------------|------|
| Input Voltage (VAC)         | 120  |
| System Level Power (W)      | 13.1 |
| Delivered Lumens (Lm)       | 859  |
| System Efficacy (Lm/W)      | 65.6 |
| Correlated Color Temp (K)   | 3015 |
| Color Rendering Index (CRI) | 93   |
| Beam Angle                  | 110  |
| Spacing Criteria            | 1.24 |



### Intensity Summary (Candle Power)

| Angle | Mean CP |
|-------|---------|
| 0     | 307     |
| 5     | 306     |
| 15    | 293     |
| 25    | 271     |
| 35    | 238     |
| 45    | 199     |
| 55    | 154     |
| 65    | 105     |
| 75    | 57      |
| 85    | 15      |
| 90    | 0       |

### CCT Data Multiplier

|       |       |
|-------|-------|
| 4000K | 1.109 |
| 5000K | 1.047 |

### Cone of Light Tabulation

| Mounted height (Feet) | Footcandles Beam Center | Diameter (Feet) |
|-----------------------|-------------------------|-----------------|
| 4                     | 19.2                    | 11.6            |
| 6                     | 8.5                     | 17.5            |
| 8                     | 4.8                     | 23.3            |
| 10                    | 3.1                     | 29.1            |
| 12                    | 2.1                     | 34.9            |
| 14                    | 1.6                     | 40.7            |
| 16                    | 1.2                     | 46.5            |

### Zonal Lumen Summary

| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30   | 237    | 27.5%          |
| 0-40   | 386    | 44.9%          |
| 0-60   | 676    | 78.7%          |
| 0-90   | 859    | 100%           |
| 90-180 | 0      | 0%             |
| 0-180  | 859    | 100%           |

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

### Performance Data

| Model Number          | Lumens | Watts | Lumens/Watt |
|-----------------------|--------|-------|-------------|
| DLE63120SRDWH (3000K) | 859    | 13.1  | 65.6        |
| DLE63120SRDWH (4000K) | 949    | 12.9  | 73.6        |
| DLE63120SRDWH (5000K) | 897    | 13.1  | 68.5        |

### Recommended Dimmers\*

- Lutron Diva DVCL-153P
- Lutron Maestro MACL-153M
- Eaton Cooper DAL06P
- Leviton IPL06
- Lutron DIVA DVELV-303P

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

## Ordering Information

Example: DLE63120SRDWH

| Series | Version | Voltage | CCT's                             | Trim Shape | Trim Color |
|--------|---------|---------|-----------------------------------|------------|------------|
| DLE6   | 3       | 120     | S (Selectable: 3000, 4000, 5000K) | RD (Round) | WH (White) |

Specifications and dimensions subject to change without notice

### Accessories

accessories sold separately

|                                      |                    |
|--------------------------------------|--------------------|
| 6" BLACK TRIM RING                   | DLE63-TR-BK        |
| 6" NICKEL TRIM RING                  | DLE63-TR-NK        |
| 6" OIL RUBBED BRONZE TRIM RING       | DLE63-TR-OB        |
| Round Mounting Template (13" length) | DLE6-RD-TEMPLATE   |
| 6" Rough In Template (26" length)    | ROUGHIN-TEMPLATE-6 |
| 2' Extension Cable                   | EXTCABLE-SELECT-02 |
| 10' Extension Cable                  | EXTCABLE-SELECT-10 |

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not