

# DLE4

## Edge Lit Recessed LED Downlight

### Product Description

The DLE Edge Lit LED Downlight Series offers an attractive visual aesthetic with both round and square apertures. The edge lit technology uses a reflective light guide panel that disperses light through a diffused lens, making it an effective and economical solution. The ultra-thin fixture depth and off-board driver allow for a more flexible installation and increased lifetime with improved thermal management. 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 adjustable, spring loaded retention tabs for a secure fit. Adding light in tight spaces such as hallways, bathrooms, basements, entry ways, 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
- Square fixture has round back for easier cut in with standard hole cutters.

#### 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 or square configurations

#### Mounting and Installation

- Spring loaded retention tabs allow for easy installation into ceilings up to 3/4" (RD) or 1" (SQ) 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

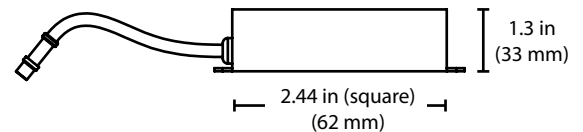
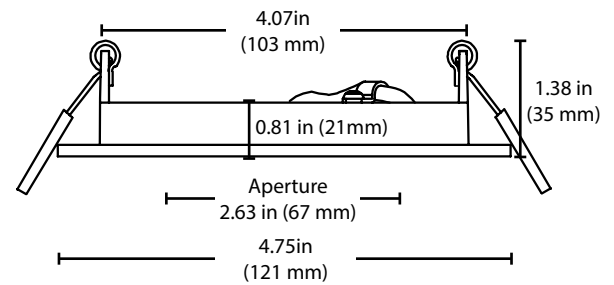
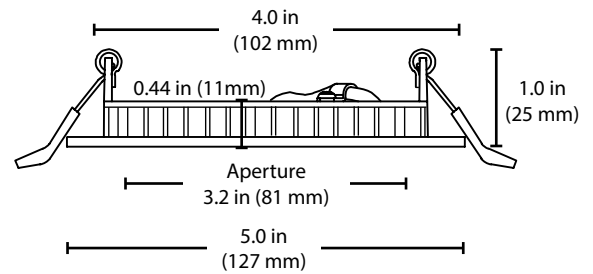
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

Catalog

Type

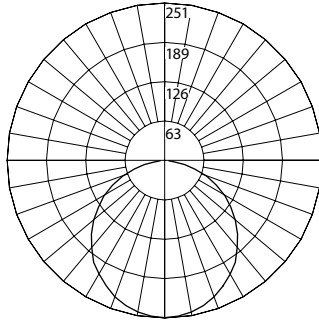
Date



## Photometric Data

### DLE4 2700K RD

Input Voltage (VAC)	120V
System Level Power (W)	11.0
Delivered Lumens (Lm)	710
System Efficacy (Lm/W)	64.5
Correlated Color Temp (K)	2712
Color Rendering Index (CRI)	96
Beam Angle	111°
Spacing Criteria	1.24



#### Intensity Summary (Candle Power)

Angle	Mean CP
0	251
5	250
15	241
25	223
35	233
45	164
55	127
65	87
75	47
85	12
90	0

#### CCT Data Multiplier

DLE421203KRD	1.021
DLE421204KRD	1.042
DLE421205KRD	1.076

#### Cone of Light Tabulation

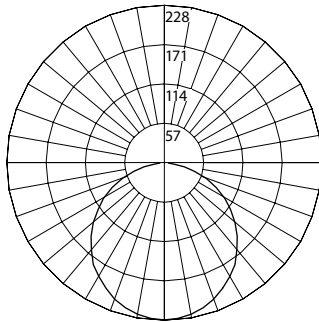
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	15.7	11.6
6	7.0	17.4
8	3.9	23.2
10	2.5	28.9
12	1.7	34.7
14	1.3	40.5
16	1.0	46.3

#### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	194	27.4%
0-40	318	44.8%
0-60	558	78.6%
0-90	710	100%
90-180	0	0.0%
0-180	710	100.0%

### DLE4 2700K SQ

Input Voltage (VAC)	120V
System Level Power (W)	8.3
Delivered Lumens (Lm)	567
System Efficacy (Lm/W)	68
Correlated Color Temp (K)	2718
Color Rendering Index (CRI)	93
Beam Angle	100°
Spacing Criteria	1.20



#### Intensity Summary (Candle Power)

Angle	Mean CP
0	227
5	226
15	214
25	192
35	163
45	131
55	98
65	65
75	33
85	7
90	0

#### CCT Data Multiplier

DLE421203KSQ	1.021
DLE421204KSQ	1.042
DLE421205KSQ	1.076

#### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	14.2	9.7
6	6.3	14.6
8	3.6	19.4
10	2.3	24.3
12	1.6	29.1
14	1.2	34.0
16	0.9	38.8

#### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	170	30.0%
0-40	272	48.0%
0-60	460	81.1%
0-90	567	100.0%
90-180	0	0.0%
0-180	567	100.0%

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
DLE421202KRD	710	11.0	64.5
DLE421203KRD	725	11.0	65.9
DLE421204KRD	740	11.0	67.3
DLE421205KRD	764	11.0	69.5
DLE421202KSQ	567	8.3	68.3
DLE421203KSQ	579	8.3	69.8
DLE421204KSQ	591	8.3	71.2
DLE421205KSQ	610	8.3	73.5

#### 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: DLE421203KRDWH

Series	Version	Voltage	CCT's	Trim Shape	Trim Color
<b>DLE</b>	<b>2</b> (Version 2)	<b>120</b>	<b>2K</b> (2700 K)	<b>RD</b> (Round)	<b>WH</b> (White)
			<b>3K</b> (3000 K)	<b>SQ</b> (Square)	
			<b>4K</b> (4000 K)		
			<b>5K</b> (5000 K)		

Specifications and dimensions subject to change without notice

## Accessories

*accessories sold separately*

4" AGED COPPER TRIM RING	DLE4-TR-AC
4" BLACK TRIM RING	DLE4-TR-BK
4" BRUSHED NICKEL TRIM RING	DLE4-TR-NK
4" AGED COPPER SQUARE TRIM RING	DLE4-TR-SQ-AC
4" BLACK SQUARE TRIM RING	DLE4-TR-SQ-BK
4" BRUSHED NICKEL SQUARE TRIM RING	DLE4-TR-SQ-NK
Round Mounting Template (13" length)	DLE4-RD-TEMPLATE
4" Rough In Template (26" length)	ROUGHIN-TEMPLATE-4
24" Extension Cable	DLE-EXTCABLE-24
10' Extension Cable	DRIVER-EXTCABLE-10
20' Extension Cable	DRIVER-EXTCABLE-20

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 occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.