

DLE4

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
- 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 arms allow for easy installation 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

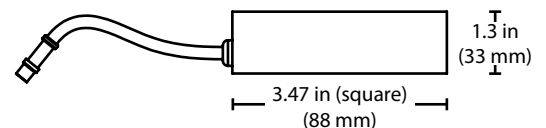
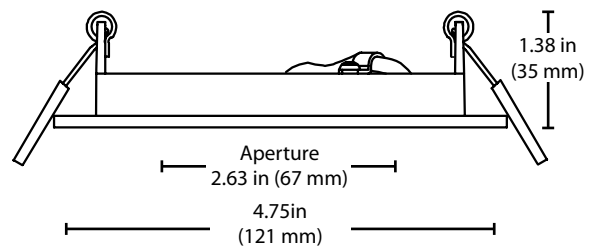
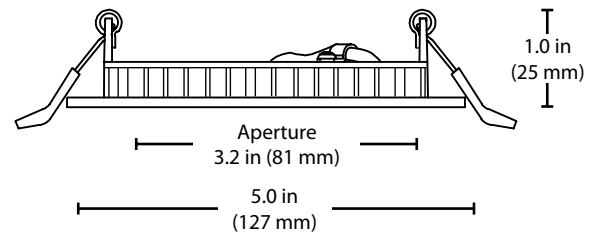
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

Catalog

Type

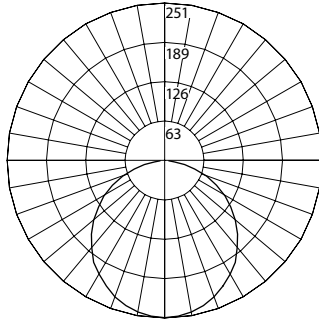
Date



Photometric Data

DLE4 2700K RD

Input Voltage (VAC)	120V
System Level Power (W)	11.0
Delivered Lumens (Lm)	710
System Efficacy (Lm/W)	65
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

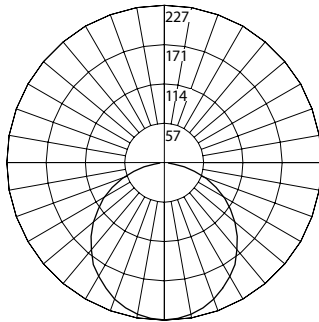
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	15.7	11.6
6	7.0	17.4
8	3.9	23.2
10	2.5	28.9
12	1.7	34.7
14	1.3	40.5
16	1.0	46.3

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	194	27.4%
0-40	318	44.8%
0-60	558	78.6%
0-90	709	99.9%
90-180	1	0.1%
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	566	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	8.3	85.5
DLE421203KRD	725	8.3	87.3
DLE421204KRD	740	8.3	89.2
DLE421205KRD	764	8.3	92.0
DLE421202KSQ	567	11.0	51.5
DLE421203KSQ	579	11.0	52.6
DLE421204KSQ	591	11.0	53.7
DLE421205KSQ	610	11.0	55.5

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
DLE	2 (Version 2)	120	2K (2700 K)	RD (Round)	WH (White)
			3K (3000 K)	SQ (Square)	
			4K (4000 K)		
			5K (5000 K)		

Specifications and dimensions subject to change without notice

Accessories

accessories sold separately

4" Aged Copper Trim Ring - Round	DLE4-TR-AC
4" Black Trim Ring - Round	DLE4-TR-BK
4" Brushed Nickel Trim Ring - Round	DLE4-TR-NK
4" Aged Copper Trim Ring - Square	DLE4-TR-SQ-AC
4" Black Trim Ring - Square	DLE4-TR-SQ-BK
4" Brushed Nickel Trim Ring - Square	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