

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

Optical System

- Precision engineered optical stack creates uniform light distribution that maximizes lumen output

Electrical

- Utilizes high performing LEDs with a greater than 90 CRI and an R9 greater than 50
- Off-board driver minimizes installation height and maximizes fixture life through improved heat management
- Dimmable to less than 10% with compatible TRIAC dimmers
- Operating temperature of 0° to 120°F (-18°C to 49°C)
- Input voltage of 120VAC
- TM-21 Reported L70(6K) hours >36,000

Finish

- White powder coat finish standard
- Available in round or square configurations

Mounting and Installation

- Adjustable, spring loaded retention tabs allow for easy installation with no need for a recessed housing
- Off-board driver/junction box includes four-port poke-in connectors and Romex connector
- Suitable for wet locations
- 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)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

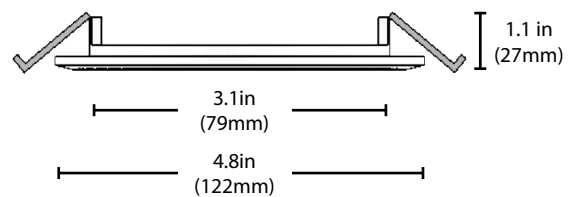
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Type

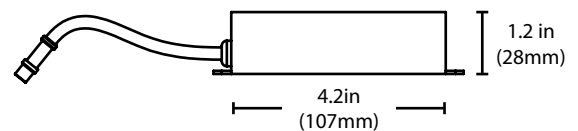
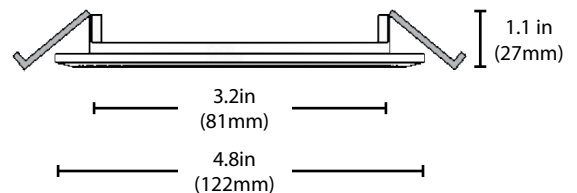
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Round



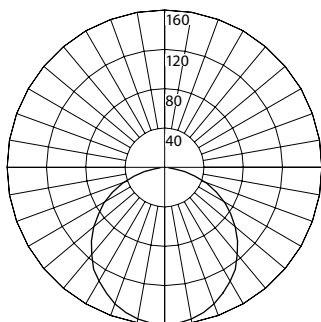
Square



Photometric Data

DLE4 2700K RD

Input Voltage (VAC)	120V
System Level Power (W)	10.8
Delivered Lumens (Lm)	461
System Efficacy (Lm/W)	42.7
Correlated Color Temp (K)	2712
Color Rendering Index (CRI)	96
Beam Angle	112°
Spacing Criteria	1.26



Intensity Summary (Candle Power)

Angle	Mean CP
0	160
5	159
15	153
25	141
35	148
45	106
55	82
65	59
75	32
85	10
90	4

CCT Data Multiplier

DLE4-10-120-3K-RD	1.020
DLE4-10-120-4K-RD	1.042
DLE4-10-120-5K-RD	1.076

Cone of Light Tabulation

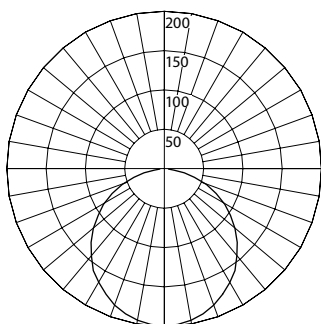
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	10.0	5.0
6	4.4	7.7
8	2.5	9.7
10	1.6	12.2
12	1.1	15.0
14	0.8	18.0
16	0.6	22.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	123	26.7%
0-40	202	43.7%
0-60	357	77.3%
0-90	461	100.0%
90-180	0	0.0%
0-180	461	100.0%

DLE4 2700K SQ

Input Voltage (VAC)	120V
System Level Power (W)	11.2
Delivered Lumens (Lm)	579
System Efficacy (Lm/W)	51.7
Correlated Color Temp (K)	2718
Color Rendering Index (CRI)	93
Beam Angle	112°
Spacing Criteria	1.26



Intensity Summary (Candle Power)

Angle	Mean CP
0	200
5	199
15	192
25	179
35	158
45	132
55	103
65	75
75	41
85	11
90	4

CCT Data Multiplier

DLE4-10-120-3K-SQ	1.021
DLE4-10-120-4K-SQ	1.042
DLE4-10-120-5K-SQ	1.076

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	12.5	5.1
6	5.6	7.6
8	3.1	8.3
10	2.0	13.0
12	1.4	15.0
14	1.0	17.8
16	0.8	20.2

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	155	26.8%
0-40	254	43.8%
0-60	449	77.5%
0-90	579	100.0%
90-180	0	0.0%
0-180	579	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
DLE4-10-120-2K-RD	461	10.8	42.7
DLE4-10-120-3K-RD	470	10.8	43.5
DLE4-10-120-4K-RD	480	10.8	44.5
DLE4-10-120-5K-RD	496	10.8	45.9
DLE4-10-120-2K-SQ	579	11.2	51.7
DLE4-10-120-3K-SQ	591	11.2	52.8
DLE4-10-120-4K-SQ	603	11.2	53.9
DLE4-10-120-5K-SQ	623	11.2	55.6

Recommended Dimmers*

Lutron Toggler TGCL-153P
 Lutron Skylark SCL-153P
 Lutron DIVA DVCL-153P
 Lutron DIVA DVELV-300P
 Lutron DIVA DVELV-303P

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: DLE4-10-120-3K-RD-WH

Series	Version	Voltage	CCT's	Trim Shape	Trim Color
DLE4	10 (Version 1)	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

Round Mounting Template	DLE4-RD-TEMPLATE
Square Mounting Template	DLE4-SQ-TEMPLATE
24" Extension Cable	DLE-EXTCABLE-24