

DLE6

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

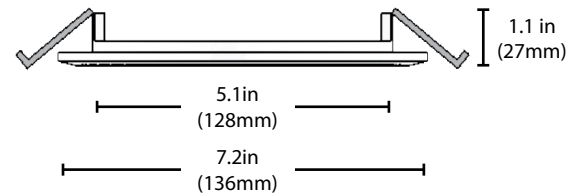
Catalog

Type

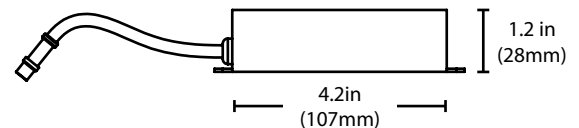
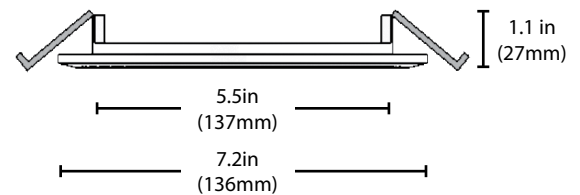
Date



Round



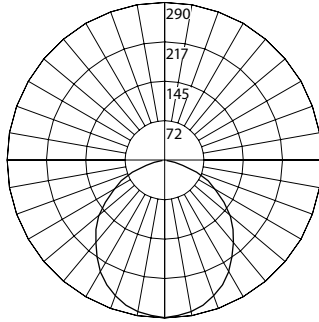
Square



Photometric Data

DLE6 2700K RD

Input Voltage (VAC)	120V
System Level Power (W)	15.3
Delivered Lumens (Lm)	809
System Efficacy (Lm/W)	52.9
Correlated Color Temp (K)	2695
Color Rendering Index (CRI)	96
Beam Angle	110°
Spacing Criteria	1.24



Intensity Summary (Candle Power)

Angle	Mean CP
0	290
5	287
15	271
25	252
35	221
45	186
55	142
65	102
75	52
85	18
90	5

CCT Data Multiplier

DLE6-10-120-3K-RD	1.020
DLE6-10-120-4K-RD	1.044
DLE6-10-120-5K-RD	1.071

Cone of Light Tabulation

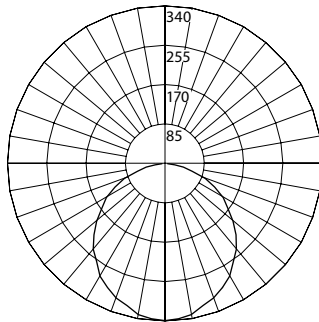
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	18.1	5.0
6	8.0	7.4
8	4.5	9.8
10	2.9	12.3
12	2.0	15.0
14	1.5	17.0
16	1.1	21.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	220	27.2%
0-40	359	44.3%
0-60	631	77.8%
0-90	809	100.0%
90-180	0	0.0%
0-180	809	100.0%

DLE6 2700K SQ

Input Voltage (VAC)	120V
System Level Power (W)	15.6
Delivered Lumens (Lm)	886
System Efficacy (Lm/W)	56.8
Correlated Color Temp (K)	2703
Color Rendering Index (CRI)	93
Beam Angle	106°
Spacing Criteria	1.22



Intensity Summary (Candle Power)

Angle	Mean CP
0	340
5	337
15	324
25	297
35	255
45	210
55	157
65	104
75	41
85	12
90	4

CCT Data Multiplier

DLE6-10-120-3K-SQ	1.024
DLE6-10-120-4K-SQ	1.044
DLE6-10-120-5K-SQ	1.071

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	21.3	4.9
6	9.4	7.4
8	5.3	9.9
10	3.4	12.0
12	2.4	14.0
14	1.7	17.0
16	1.3	19.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	260	29.3%
0-40	420	47.4%
0-60	723	81.6%
0-90	886	100.0%
90-180	0	0.0%
0-180	886	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
DLE6-10-120-2K-RD	809	15.3	52.9
DLE6-10-120-3K-RD	825	15.3	53.9
DLE6-10-120-4K-RD	845	15.3	55.2
DLE6-10-120-5K-RD	866	15.3	56.6
DLE6-10-120-2K-SQ	886	15.6	56.8
DLE6-10-120-3K-SQ	907	15.6	58.1
DLE6-10-120-4K-SQ	925	15.6	59.3
DLE6-10-120-5K-SQ	949	15.6	60.8

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: DLE6-10-120-3K-RD-WH

Series	Version	Voltage	CCT's	Trim Shape	Trim Color
DLE6	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	DLE6-RD-TEMPLATE
Square Mounting Template	DLE6-SQ-TEMPLATE
24" Extension Cable	DLE-EXTCABLE-24