

# DLR2

## 2" Recessed LED Downlight

### Product Description

NICOR's D-Series luminaires offer a comprehensive family of LED downlight fixtures that complement one another no matter your design space needs. The new 2" family packs a punch with its small, elegant design along with its high lumen output. Not only does this family work perfect for accent and task lighting, but the lighting output allows you to bring general ambient lighting into a space with a very small, architectural exposure. From LED color rendering and trim finishes to fixture performance, this series is a perfect choice for commercial, retail, institutional, and residential applications.

#### Construction

- Cast aluminum trim routes heat away from electrical components
- NICOR 2" LED housing required for use of DLR2

#### Optical System

- TIR optic provides smooth, uniform light
- Beam spread options available: 37°(standard), 30°, or 20°

#### Electrical

- COB with greater than 90 CRI and an R9 greater than 50
- Dimmable to 10% with most standard triac dimmers
- Operating temperature rating of 0°F to 120°F (-18°C to 49°C)
- Lifetime rated for greater than 35,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards
- 120V input to driver

#### Finish

- Exterior white powder coat finish
- Also available in Black, Oil-Rubbed Bronze and Nickel \*
- Smooth or baffle option available in all trim colors\*

#### Installation

- NICOR's 2" recessed housings required: Available in remodel, new construction, and IC/ Airtight new construction
- Quick and easy installation with a snap-in IDEAL connector and friction clip mounting system

#### Warranty

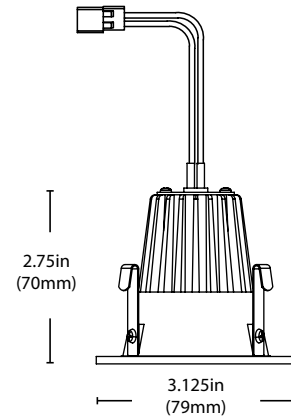
- 5-year limited system warranty standard

Project

Catalog

Type

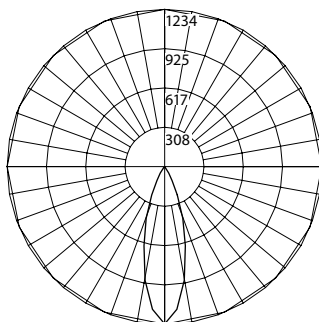
Date



## Photometric Data

### DLR2 2700K

Input Voltage (VAC)	120V
System Level Power (W)	8.7
Delivered Lumens (Lm)	600
System Efficacy (Lm/W)	69.0
Correlated Color Temp (K)	2598
Color Rendering Index (CRI)	92
Beam Angle	33.75°
Spacing Criteria	0.58



#### Intensity Summary (Candle Power)

Angle	Mean CP
0	1234
5	1140
15	687
25	281
35	60
45	17
55	12
65	7
75	3
85	0
90	0

#### CCT Data Multiplier

DLR2-10-120-3K	1.070
DLR2-10-120-4K	1.095

#### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	77.1	2.5
6	34.2	3.6
8	19.3	4.8
10	12.3	5.9
12	8.6	7.1
14	6.3	8.3
16	4.8	9.4

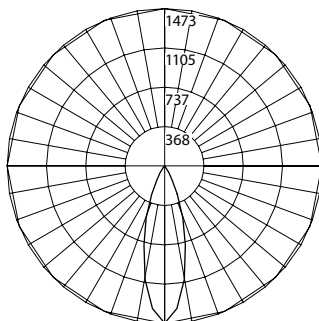
#### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	424	84.4%
0-40	467	93.0%
0-60	492	97.9%
0-90	503	100.0%
90-180	0	0.0%
0-180	503	100.0%

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

### DLR2 2700K BF

Input Voltage (VAC)	120V
System Level Power (W)	8.7
Delivered Lumens (Lm)	596
System Efficacy (Lm/W)	68.5
Correlated Color Temp (K)	2614
Color Rendering Index (CRI)	92
Beam Angle	33.75°
Spacing Criteria	0.58



#### Intensity Summary (Candle Power)

Angle	Mean CP
0	1234
5	1140
15	687
25	281
35	60
45	17
55	12
65	7
75	3
85	0
90	0

#### CCT Data Multiplier

DLR2-10-120-3K-BF	1.070
DLR2-10-120-4K-BF	1.095

#### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	77.1	2.5
6	34.2	3.6
8	19.3	4.8
10	12.3	5.9
12	8.6	7.1
14	6.3	8.3
16	4.8	9.4

#### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	424	84.4%
0-40	467	93.0%
0-60	492	97.9%
0-90	503	100.0%
90-180	0	0.0%
0-180	503	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
DLR2-10-120-2K	600	8.7	69.0
DLR2-10-120-3K	642	8.7	73.8
DLR2-10-120-4K	657	8.7	75.5
DLR2-10-120-2K-BF	596	8.7	68.5
DLR2-10-120-3K-BF	638	8.7	73.3
DLR2-10-120-4K-BF	653	8.7	75.0

#### Recommended Dimmers\*

Lutron MAESTRO MACL-153M  
Lutron DIVA DVELV-300P  
Lutron DIVA DVELV-303P  
Lutron Skylark SELV-300P  
Lutron DIVA DVCL-153P  
0-10V Dimming

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

#### Housing Compatibility\*

12201-LED-ICAT 2" LED NEW CONSTRUCTION HOUSING  
12202R-LED-ICAT 2" LED REMODEL HOUSING  
12300A-LED 2" 120-277V LED IC/AT NEW CONS. HOUSING

## Ordering Information

Example: DLR2-10-120-3K-WH-BF

Series	Version	Housing Input Voltage	CCT's	Trim Color	Baffle	Optics
DLR2	10 (Version 1)	120 (120V)	2K (2700 K)	WH (White)	___ (No Baffle)	___ (37° Standard Optic)
			3K (3000 K)	BK (Black)*	BF (Baffle)*	NF (30° Narrow Optic)
			4K (4000 K)	NK (Nickel)*		SP (20° Spot Optic)
				OB (Oil-Rubbed Bronze)*		

\*Only available as special order. Contact NICOR for more info.  
Specifications and dimensions subject to change without notice.