

DQR2-AA

2" Adjustable Square LED Downlight

Product Description

NICOR's D-Series luminaries 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 DQR2-AA

Optical System

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

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 *

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

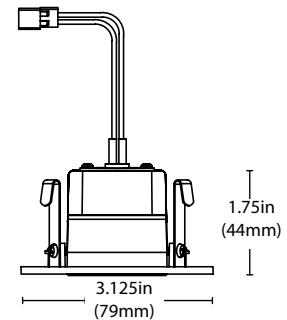
- 5-year limited system warranty standard

Project

Catalog

Type

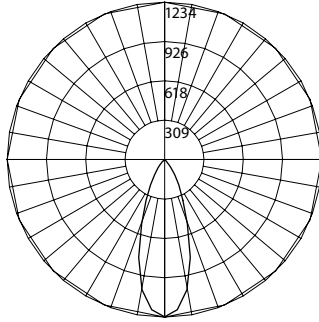
Date



Photometric Data

DQR2-AA 2700K

Input Voltage (VAC)	120V
System Level Power (W)	8.8
Delivered Lumens (Lm)	662
System Efficacy (Lm/W)	75.2
Correlated Color Temp (K)	2628
Color Rendering Index (CRI)	92
Beam Angle	37.85°
Spacing Criteria	0.64



Intensity Summary (Candle Power)

Angle	Mean CP
0	1234
5	1206
15	833
25	351
35	139
45	48
55	19
65	10
75	4
85	1
90	0

CCT Data Multiplier

DQR2-AA-10-120-3K	1.018
DQR2-AA-10-120-4K	1.165

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	77.1	4.7
6	34.3	7.8
8	19.3	9.1
10	12.4	10.4
12	8.6	13.6
14	6.3	14.9
16	4.8	16.1

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	501	75.7%
0-40	590	89.2%
0-60	647	97.7%
0-90	662	100.0%
90-180	0	0.0%
0-180	662	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
DQR2-AA-10-120-2K	662	8.8	75.2
DQR2-AA-10-120-3K	674	8.8	76.6
DQR2-AA-10-120-4K	771	8.8	87.6

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

Housing Compatibility*

- 12200A-LED 2" LED IC/AT NEW CONSTRUCTION HOUSING
- 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

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: DQR2-AA-10-120-2K-WH-SP

Series	Version	Housing Input Voltage	CCT's	Trim Color	Optics
DQR2-AA	10 (v 1.0)	120 (120V)	2K (2700 K)	WH (White)	___ (37° Standard Optic)
			3K (3000 K)	BK (Black)*	NF (30° Narrow Optic)
			4K (4000 K)	NK (Nickel)*	SP (20° Spot Optic)
				OB (Oil-Rubbed Bronze)*	

Specifications and dimensions subject to change without notice

*Only available as special order. Contact NICOR for more info.