

# DQR6

## 6" LED Square Retrofit Kit

### Product Description

Part of the D-Series, the DQR6 takes everything you love about NICOR's recessed downlighting family with the added design aesthetic of a square trim. Compatible with most 6" recessed housings, this luminaire delivers incredible color accuracy with 90+ CRI and flexible dimming capabilities. Designed to boost energy efficiency, the LED light engine draws only 14.5 watts while achieving a light output to over 1200 lumens. The DQR6 is an ideal commercial, retail, institutional or residential downlight choice for retrofit or new construction. From LED color rendering and trim finishes to fixture performance, the design style blends nicely with other fixtures in this design series.

#### Construction

- Die cast aluminum trim routes heat away from electrical components
- Low profile, integrated driver, allows for use in shallow housings

#### Optical System

- Polystyrene diffuser and reflector cone create a uniform light distribution that reduces glare without sacrificing lumen output

#### Electrical

- Utilizes high performing LEDs with greater than 90 CRI and an R9 greater than 50
- Dimmable to 10% with most standard triac dimmers
- Thermally protected, high efficiency driver standard
- Operating temperature rating of 0°F to 120°F (-18°C – 49°C)
- Input voltage of 120V
- L70 rated for greater than 50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

#### Finish

- Exterior white powder coat finish, with interior high reflective finish
- Also available in Black, Oil-Rubbed Bronze and Nickel

#### Installation

- Compatible with most 6" recessed housings
- Quick and easy installation with a screw-in Edison base (GU24 socket string available) and torsion spring mounting system

#### Warranty

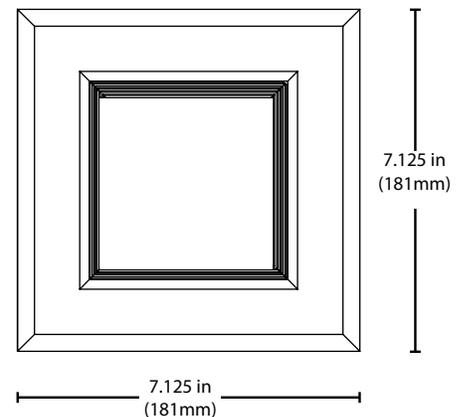
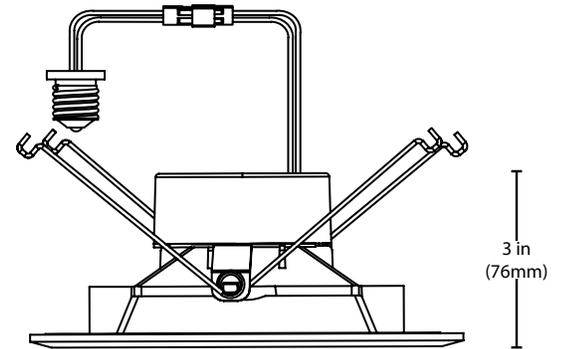
- 5-year limited system warranty standard

Project \_\_\_\_\_

Catalog \_\_\_\_\_

Type \_\_\_\_\_

Date \_\_\_\_\_

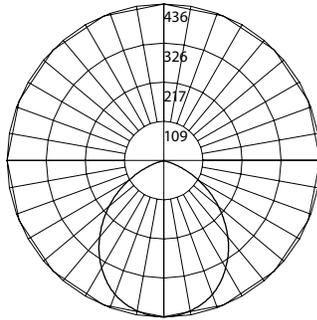


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## Photometric Data

### DQR6 2700K

Input Voltage (VAC)	120V
System Level Power (W)	15.6
Delivered Lumens (Lm)	1010
System Efficacy (Lm/W)	65.0
Correlated Color Temp (K)	2689
Color Rendering Index (CRI)	91
Beam Angle	97°
Spacing Criteria	1.20



#### Intensity Summary (Candle Power)

Angle	Mean CP
0	434
5	431
15	412
25	373
35	316
45	247
55	174
65	99
75	28
85	4
90	0

#### CCT Data Multiplier

DQR6-10-120-3K	1.040
DQR6-10-120-4K	1.080

#### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	27.1	4.8
6	12.0	7.2
8	6.8	9.5
10	4.3	12.0
12	3.0	14.3
14	2.2	17.0
16	1.7	20.0

#### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	329	32.5%
0-40	526	52.1%
0-60	873	86.5%
0-90	1010	100.0%
90-180	0	0.0%
0-180	1010	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
DQR6-10-120-2K	1010	15.6	65.0
DQR6-10-120-3K	1050	15.6	67.5
DQR6-10-120-4K	1091	15.6	70.1

#### Recommended Dimmers\*

Lutron DIVA DVELV-300P  
Lutron DIVA DVELV-303P  
Lutron Skylark SELV-300P

#### Housing Compatibility\*

**17014A-LED-ID** 6" LED IC AIRTIGHT NEW CONST. HOUSING  
**17014AR-LED-ID** 6" LED IC AIRTIGHT REMODEL HOUSING  
MOST STANDARD 6" RECESSED HOUSINGS

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

## Ordering Information

Example: DQR6-10-120-3K-WH-BF

Series	Version	Voltage	CCT's	Trim
DQR6	10 (v1.0)	120(120V)	2K (2700 K)	WH-BF (White Baffle)
			3K (3000 K)	BK-BF (Black Baffle)*
			4K (4000 K)	NK-BF (Nickel Baffle)*
				OB-BF (Oil-Rubbed Bronze Baffle)*

Specifications and dimensions subject to change without notice.

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

#### Accessories

accessories sold separately

GU24 Socket String

GU24-IDEAL-SKT-STR