

DCR56

5" - 6" LED Recessed Downlight

Product Description

The DCR56 from NICOR is a 5" & 6" recessed LED downlight with plastic housing and trim that is ideal for both retrofit and new construction. Redesigned to boost energy efficiency, the enriched 90+ CRI provides superior color quality, along with an R9 greater than 50. Not only is the light quality better, but this design improvement meets industry standards, including Title 24 and CEC.

Construction

- Polymer trims prevent dents and scratches
- Low profile, integrated driver, allows for use in shallow housings

Optical System

- Polystyrene diffuser creates 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
- Operating temperature rating of 0°F to 102°F (-18°C to 40°C)
- Input voltage of 120V
- Lifetime rated for greater than 54,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions

Finish

- Matte white finish
- Available in smooth and baffle
- Available accessory trim covers in Black, Aged Copper and Nickel

Installation

- Compatible with most 5" and 6" recessed housings
- Quick and easy installation with an Ideal™ connected screw-in Edison base (GU24 socket string available) and friction clip mounting system

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

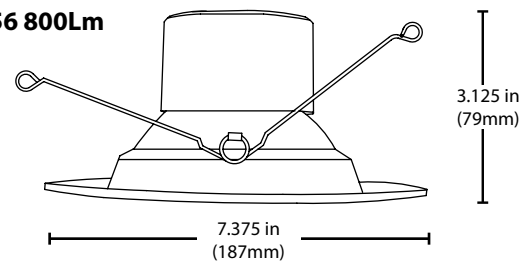
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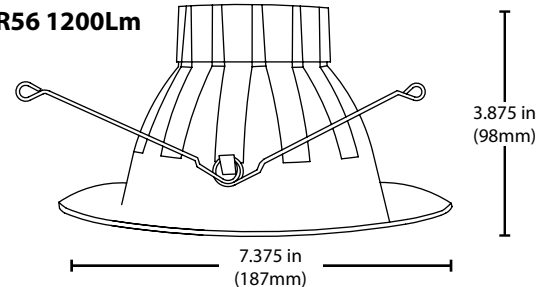
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DCR56 800Lm



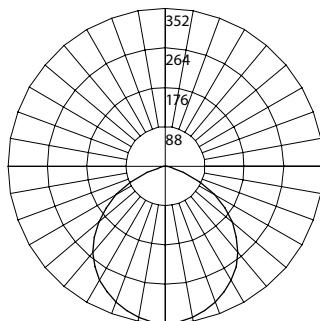
DCR56 1200Lm



Photometric Data

DCR56 2700K 800Lm

Input Voltage (VAC)	120V
System Level Power (W)	10.5
Delivered Lumens (Lm)	853
System Efficacy (Lm/W)	81.4
Correlated Color Temp (K)	2682
Color Rendering Index (CRI)	92 R9 = 59
Beam Angle	107°
Spacing Criteria	1.18



Intensity Summary (Candle Power)

Angle	Mean CP
0	352
5	349
15	334
25	309
35	273
45	221
55	158
65	79
75	16
85	2
90	0

CCT Data Multiplier

DCR561081203K	1.029
DCR561081204K	1.056
DCR561081205K	1.078

Cone of Light Tabulation

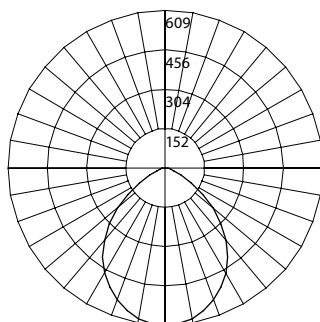
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	22.0	5.0
6	9.8	7.5
8	5.5	9.9
10	3.5	12.0
12	2.4	15.5
14	1.8	17.0
16	1.4	21.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	270	31.6%
0-40	440	51.6%
0-60	750	88.0%
0-90	853	100.0%
90-180	0	0.0%
0-180	853	100.0%

DCR56 2700K 1200Lm

Input Voltage (VAC)	120V
System Level Power (W)	14.5
Delivered Lumens (Lm)	1198
System Efficacy (Lm/W)	82.6
Correlated Color Temp (K)	2686
Color Rendering Index (CRI)	92 R9 = 54
Beam Angle	89°
Spacing Criteria	1.18



Intensity Summary (Candle Power)

Angle	Mean CP
0	608
5	604
15	571
25	507
35	419
45	303
55	175
65	64
75	19
85	3
90	0

CCT Data Multiplier

DCR561121203K	1.029
DCR561121204K	1.056
DCR561121205K	1.078

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	38.0	4.6
6	16.9	6.9
8	9.5	9.1
10	6.0	11.6
12	4.2	13.8
14	3.1	16.3
16	2.4	18.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	451	37.7%
0-40	712	59.4%
0-60	1102	92.0%
0-90	1198	100.0%
90-180	0	0.0%
0-180	1198	100.0%

Performance Data

Model Number	Lumens	Watts	Lumens/Watt
DCR561081202K	853	10.5	81.4
DCR561081203K	878	10.5	83.8
DCR561081204K	901	10.5	86.0
DCR561081205K	919	10.5	87.8
DCR561121202K	1198	14.5	82.6
DCR561121203K	1233	14.5	85.0
DCR561121204K	1265	14.5	87.2
DCR561121205K	1291	14.5	89.1

Recommended Dimmers*

Lutron DIVA DVELV-300P
Lutron DIVA DVELV-303P
Lutron DIVA DVCL-153P
Lutron SKYLARK SELV-300P
Lutron SKYLARK SCL-153P

*Not a complete list. Check compatibility before installation.

Housing Compatibility*

17014-LED-ID 6" LED IC AIRTIGHT NEW CONSTRUCTION HOUSING
17014AR-LED-ID 6" LED IC AIRTIGHT REMODEL HOUSING
MOST STANDARD 5" OR 6" RECESSED HOUSINGS

Ordering Information

Example: DCR561121203KWH

Series	Version	Voltage	CCT's	Finish
DCR56	108 (800Lm)	120 (120V)	2K (2700 K)	WH (White)
	112 (1200Lm)		3K (3000 K)	WHBF (White Baffle)*
			4K (4000 K)	
			5K (5000 K)	

Specifications and dimensions subject to change without notice.

* White Baffle finish option for 800Lm 2K and 3K downlights only.

Accessories

accessories sold separately

Aged Copper Trim	DCR-CLR-56-TR-AC
Black Trim	DCR-CLR-56-TR-BK
Nickel Trim	DCR-CLR-56-TR-NK
GU24 Socket String	GU24-IDEAL-SKT-STR

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.