

DCR

Recessed LED Downlight

Product Description

The DCR from NICOR is a versatile recessed LED downlight available in 4" and 5" & 6" sizes, suitable for both new construction and retrofit applications in most standard housings. Meeting the latest certification standards, the DCR delivers over 90 lumens per watt (LPW) with a color rendering index (CRI) of 90+ and an R9 value greater than 70, ensuring high-quality, vibrant illumination. Featuring a robust polymer trim, the DCR offers durability and an attractive finish, making it an excellent choice for energy-efficient, high-quality lighting solutions.

Construction

- Durable polymer flange
- Fully captured V-springs on 6"
- Friction fit arms on 4"

Optical System

- Polycarbonate diffuser creates uniform light distribution with reduced glare
- Selectable models use a dual emitter array that enables CCT selection of 2700K, 3000K, 3500K, 4000K, or 5000K
- Utilizes high performing LEDs with 90+ CRI and an R9 > 70

Electrical

- Input voltage 120VAC, 60Hz
- CCT selection switch on side of fixture body
- Dimmable to <10% with compatible leading edge (TRIAC) or trailing edge (ELV) dimmers
- Operating temperature of -4°F to 104°F (-20°C to 40°C)

Mounting and installation

- Compatible with most 4" or 5" & 6" recessed housings
- Quick and easy installation with an IDEAL luminaire connector
- Ships with Edison base socket string (GU24 socket string available)

Finish

- Matte white

Listings

- cETLus 1598 Classified for wet locations
- ENERGYSTAR listed
- CA Title 24 compliant (JA8)
- Rated for Insulation Contact
- Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5) for closet use
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- IECES-005 Compliant
- LM-79, LM-80 testing performed in accordance with IESNA standards
- LED lumen maintenance: L70(9k)>50,000 hrs

Warranty

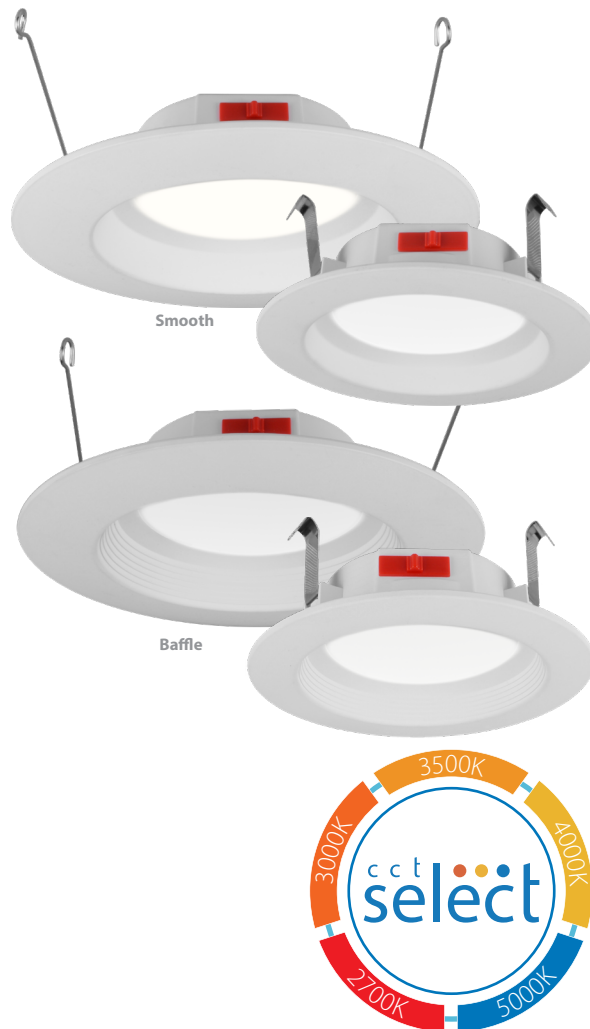
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.) For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

Catalog

Type

Date



DCRv3
Recessed LED Downlight
700 & 900 Lumens
Selectable CCT



Ordering

Ordering Information

Example: DCR563120SWHBF

Series	Version	Voltage	CCT's	Trim	Baffle
DCR4	3	120	S (Select : 27/30/35/40/50K)	WH (White)	_Blank (Smooth)
DCR56					BF (Baffle)

Specifications and dimensions subject to change without notice. Please refer to the website for the most up-to-date information.

Accessories

accessories sold separately

GU24 to IDEAL Socket String

GU24-IDEAL-SKT-STR

Performance Data

Performance Data				
Model Number	CCT	Lumens	Wattage	Lumens/Watt
DCR43120SWH**	2700	719	7.2	99.8
	3000	729		101.3
	3500	754		104.7
	4000	764		106.1
	5000	739		102.7
DCR563120SWH**	2700	895	9.2	97.3
	3000	923		100.3
	3500	937		101.8
	4000	945		102.7
	5000	919		99.9

Housing Compatibility¹

19000A	4" AIRTIGHT NEW CONSTRUCTION HOUSING
19000A-LED-ID	4" LED IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
19001AR	4" AIRTIGHT REMODEL HOUSING
19001AR-LED-ID	4" LED IC-RATED AIRTIGHT REMODEL HOUSING
MOST STANDARD 4" HOUSINGS FOR DCR4	
15006A	5" IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
15006RA	5" IC-RATED AIRTIGHT REMODEL HOUSING
17014A	6" IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
17014A-LED-ID	6" LED IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
17014AR	6" IC-RATED AIRTIGHT REMODEL HOUSING
17014AR-LED-ID	6" LED IC-RATED AIRTIGHT REMODEL HOUSING
MOST STANDARD 5" and 6" HOUSINGS FOR DCR6	

¹Not a complete list. Check compatibility before installation.

Recommended Dimmers¹

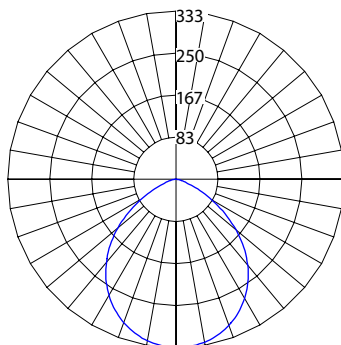
Lutron Skylark SCL-153P

¹Not a complete list. Check compatibility before installation.

Photometric Data

DCR43 @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	7.2
Delivered Lumens (Lm)	729
System Efficacy (Lm/W)	100.7
Correlated Color Temp (K)	3076
Color Rendering Index (CRI)	95 R9=77
Beam Angle (°)	96.1
Spacing Criteria	1.21



Intensity Summary (Candle Power)

Angle	Mean CP
0	333
5	331
15	317
25	287
35	243
45	184
55	113
65	48
75	14
85	1
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	20.8	8.9
6	9.2	13.3
8	5.2	17.8
10	3.3	22.2
12	2.3	26.7
14	1.7	31.1
16	1.3	35.5

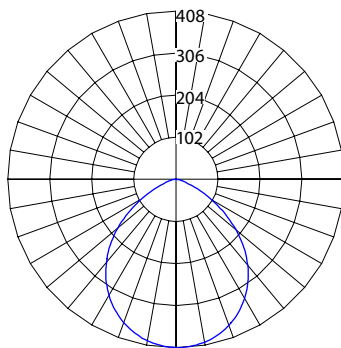
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	254	34.8%
0-40	407	55.8%
0-60	655	89.9%
0-90	730	100%
90-180	0	0%
0-180	730	100%

Photometric Data (continued)

DCR63 @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	9.2
Delivered Lumens (Lm)	923
System Efficacy (Lm/W)	100.3
Correlated Color Temp (K)	3064
Color Rendering Index (CRI)	95 R9=76
Beam Angle (°)	98.3
Spacing Criteria	1.22



Intensity Summary (Candle Power)

Angle	Mean CP
0	408
5	405
15	388
25	354
35	305
45	237
55	151
65	67
75	21
85	5
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	25.5	9.3
6	11.3	13.9
8	6.4	18.5
10	4.1	23.1
12	2.8	27.8
14	2.1	32.4
16	1.6	37.0

Zonal Lumen Summary

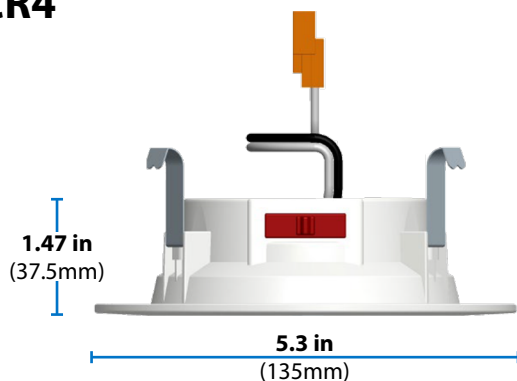
Zone	Lumens	% of Luminaire
0-30	312	33.8%
0-40	503	54.4%
0-60	823	89.1%
0-90	923	100%
90-180	0	0%
0-180	923	100%

CCT Data Multiplier

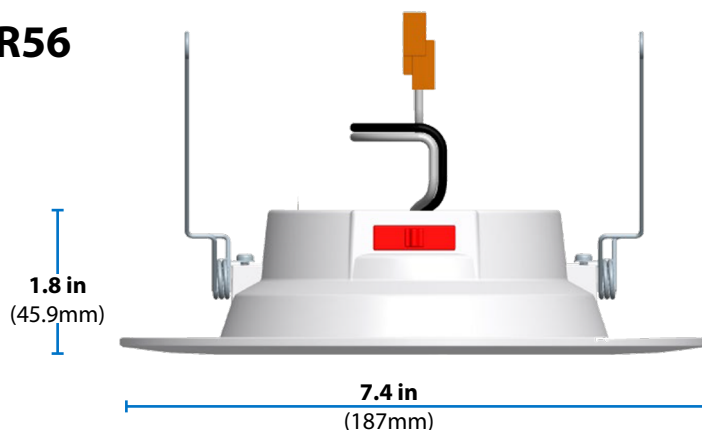
2700K	0.970
3000K	1.000
3500K	1.015
4000K	1.024
5000K	0.996

Dimensions

DCR4



DCR56



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.