

RDN

Recessed LED Downlight with Night Light

Product Description

The NICOR RDN Series Retrofit LED Downlight features a new and unique nightlight feature, designed to provide warm ambient light at 2000K to enhance any room. Crafted from durable polymer, this sleek downlight combines modern aesthetics with energy efficiency. The main feature is its dual functionality: bright, crisp lighting for everyday use and a gentle nightlight mode for those quiet evenings. With a simple switch, transition from full brightness to a warm, soothing glow that provides just the right amount of illumination for nighttime navigation without disturbing your sleep. Perfect for bedrooms, hallways, and living areas, this downlight is easy to install and offers long-lasting performance, making it an ideal choice for both residential and commercial settings. Upgrade your lighting and enjoy the perfect blend of style, functionality, and comfort.

- Construction**
- Durable polymer body
 - Fully captured V-springs on 5”/6” version
 - Friction clips on 4” version

- Optical System**
- Polycarbonate diffuser creates uniform light distribution with reduced glare
 - Contains dual emitter array that enables CCT selection of 2700K, 3000K, 3500K, 4000K, or 5000K
 - Amber (2000K) inner ring for nightlight mode
 - Utilizes high performing LEDs with 95+ CRI and an R9 > 65

- Electrical**
- Input voltage 120VAC, 60Hz
 - CCT selection switch on top 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 (see list below)
 - Quick and easy installation with included quick-connect plug.
 - Ships with Medium/E26 socket string (GU24 socket string available)

- Finish**
- Matte white and matte black finish available
 - Smooth trim standard
 - Baffle trim available (white finish only)

- Listings**
- cULus 1598 Classified for wet locations
 - ENERGYSTAR listed
 - 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
 - LED lumen maintenance: L70(9k)>50,000 hrs
 - LM-79, LM-80 testing performed in accordance with IESNA standards

- 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 _____



RDN
Recessed LED Downlight
with Night Light
700 & 900 Lumens
Selectable CCT



Ordering

Ordering Information

Example: RDN561120S9WHBF

Series	Version	Voltage	CCT's	CRI	Finish	Baffle
RDN4	1	120	S (Select : 27/30/35/40/50K)	9 (90+)	WH (White)	_Blank (Smooth)
RDN56					BK (Black)	BF ¹ (Baffle)

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

1) Baffle available in white finish only

Accessories

accessories sold separately

GU24 to IDEAL Socket String

GU24-IDEAL-SKT-STR

Performance Data

Performance Data				
Model Number	CCT	Lumens	Wattage	Lumens/Watt
RDN41120S9###**	2000	30	5.0	6.0
	2700	720	7.49	96.1
	3000	756	7.44	101.6
	3500	766	7.49	102.3
	4000	769	7.46	103.1
	5000	787	7.40	106.4
RDN561120S9###**	2000	30	5.0	6.0
	2700	932	9.49	98.2
	3000	975	9.43	103.4
	3500	992	9.41	105.4
	4000	995	9.46	105.2
	5000	1016	9.39	108.2

Recommended Dimmers¹

Lutron Skylark SCL-153P

Lutron DIVA DVELV-303P

LEVITON C22-06672-1LW

¹Not a complete list. Check compatibility before installation.

Housing Compatibility¹

RDN4 : MOST STANDARD 4" HOUSINGS

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

RDN56 : AND MOST STANDARD 5" and 6" HOUSINGS

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

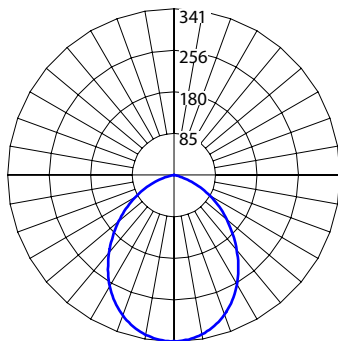
17014AR-LED-ID 6" LED IC-RATED AIRTIGHT REMODEL HOUSING

¹Not a complete list. Check compatibility before installation.

Photometric Data

RDN4 @ 2700K

Input Voltage (VAC)	120V
System Level Power (W)	7.5
Delivered Lumens (Lm)	720
System Efficacy (Lm/W)	96.1
Correlated Color Temp (K)	2775
Color Rendering Index (CRI)	95 R9=66
Beam Angle (°)	91.0
Spacing Criteria	1.16



Intensity Summary (Candle Power)

Angle	Mean CP
0	340
5	338
15	320
25	283
35	231
45	170
55	114
65	60
75	16
85	0
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	21.3	8.1
6	9.5	12.2
8	5.3	16.2
10	3.4	20.3
12	2.4	24.3

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	253	35.1%
0-40	398	55.3%
0-60	636	88.3%
0-90	720	100%
90-180	0	0%
0-180	720	100%

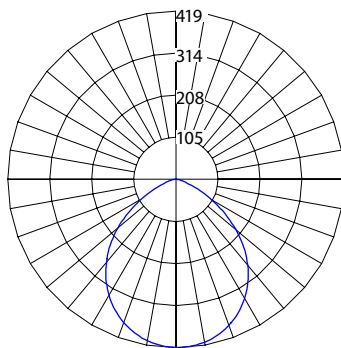
CCT Data Multiplier

2700K	1.000
3000K	1.050
3500K	1.064
4000K	1.068
5000K	1.093

Photometric Data (continued)

RDN56 @ 2700K

Input Voltage (VAC)	120V
System Level Power (W)	9.5
Delivered Lumens (Lm)	932
System Efficacy (Lm/W)	98.2
Correlated Color Temp (K)	2802
Color Rendering Index (CRI)	95 R9=65
Beam Angle (°)	94.3
Spacing Criteria	1.18



Intensity Summary (Candle Power)

Angle	Mean CP
0	418
5	416
15	395
25	354
35	294
45	224
55	155
65	86
75	29
85	2
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	26.1	8.6
6	11.6	12.9
8	6.5	17.2
10	4.2	21.6
12	2.9	25.9

Zonal Lumen Summary

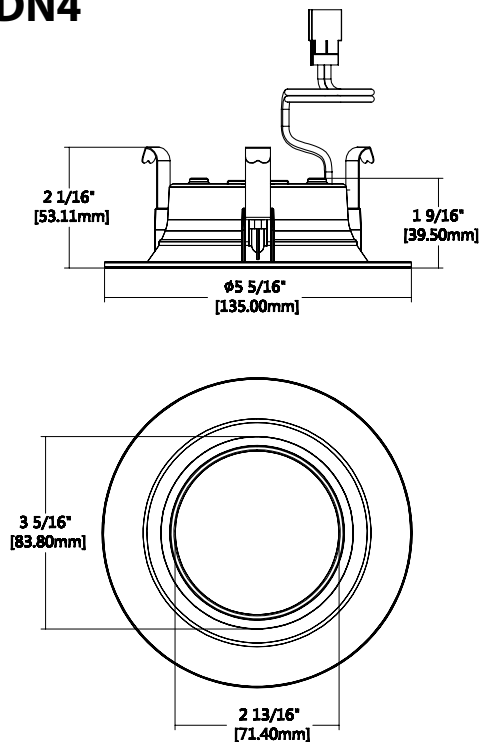
Zone	Lumens	% of Luminaire
0-30	314	33.7%
0-40	499	53.5%
0-60	811	87%
0-90	932	100%
90-180	0	0%
0-180	932	100%

CCT Data Multiplier

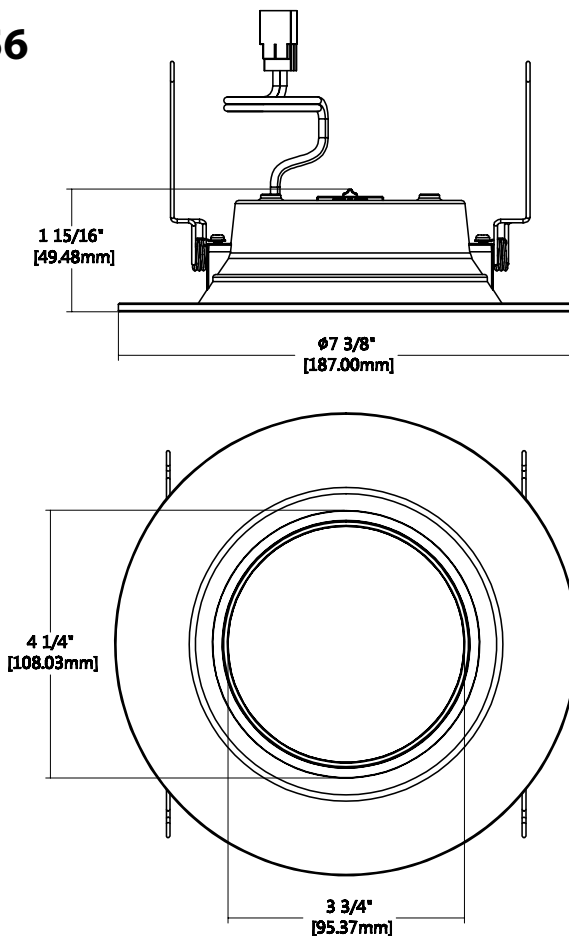
2700K	1.000
3000K	1.046
3500K	1.064
4000K	1.068
5000K	1.090

Dimensions

RDN4



RDN56



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.