RSD

Surface Mount LED Downlight

Product Description

The RSD Single CCT Downlight offers a thin installation solution designed to fit the tightest of spaces. Installation is easier than ever with the twist lock diffuser that can be removed during installation. The direct box mount ensure it sits flush to the ceiling for a clean and professional look. Available in your choice of 2700K, 3000K, 4000K or 5000K CCT depending on your desired light temperature. Perfect for bringing even illumination to any area of your home.

Construction
- Stamped steel body
- Twist-lock diffuser allows for easy removal during installation

Optical System
- Molded polymer, UV stabilized diffuser maximizes light output.
- Convex diffuser creates uniform light distribution while reducing glare

Electrical
- Input voltage of 120VAC, 60Hz
- Dimmable to 5% with compatible leading edge (TRIAC) and trailing edge (ELV) dimmers

LED
- Utilizes high performing LEDs with 90+ CRI and an R9 > 50
- Available in 2700K, 3000K, 4000K, or 5000K CCTs
- Binned within 4-step MacAdams with duv <±0.003

Finish
- Matte powder coat finish available in White

Mounting and Installation
- Easy installation in any 4" pancake, 4" non-metallic or 4/O junction box
- Keyhole mounting slots allow for quick installation to junction boxes
- Operating temperature of -4° to 104°F (-20°C to 40°C)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings
- LM-79, LM-80 testing performed in accordance with IESNA standards
- cETLus 1598 Listed for wet locations
- ENERGYSTAR Listed
- Suitable for use in closets : Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >54,000 hours

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

Project

Catalog

Type

Date

RSD

4", 6", 8" Surface Mount LED Downlight

600, 900, 1100 lumen

Intertek ENERGY STAR WET LOCATION RATED 5 YEAR WARRANTY

NICOR®

Ordering

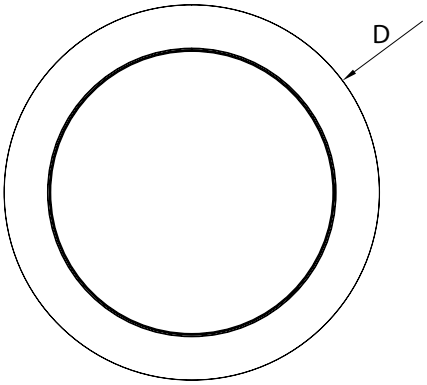
Ordering Information

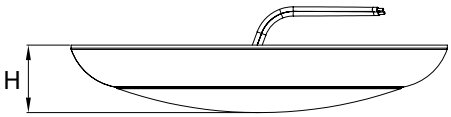
Example: RSD611203KWH

Series	Version	Voltage	CCT's	Trim Color
☐ **RSD4**	**1**	**120**	☐ **2K** (2700K)	**WH** (White)
☐ **RSD6**			☐ **3K** (3000K)	
☐ **RSD8**			☐ **4K** (4000K)	
			☐ **5K** (5000K)	

Specifications and dimensions subject to change without notice

Dimensions





Dimensions

Fixture	Diameter (D)	Height (H)
RSD4	6.2" (157mm)	1.2" (31mm)
RSD6	7.4" (188mm)	1.3" (34mm)
RSD8	9.4" (240mm)	1.3" (34mm)

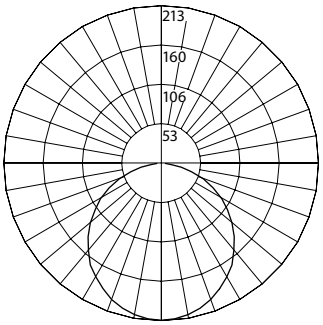
Photometric Data

RSD4 2700K

Input Voltage (VAC)	120V
System Level Power (W)	10.7
Delivered Lumens (Lm)	631
System Efficacy (Lm/W)	59
Correlated Color Temp (K)	2708
Color Rendering Index (CRI)	93 R9=59
Beam Angle	112
Spacing Criteria	1.33

CCT Data Multiplier

3000K	1.029
4000K	1.056
5000K	1.078



Intensity Summary (Candle Power)

Angle	Mean CP
0	213
5	212
15	208
25	198
35	180
45	151
55	112
65	71
75	38
85	15
90	8

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	13.3	11.9
6	5.9	17.8
8	3.3	23.8
10	2.1	29.7

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	170	26.9%
0-40	282	44.7%
0-60	496	78.7%
0-90	631	100%
90-180	0	0%
0-180	631	100%

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

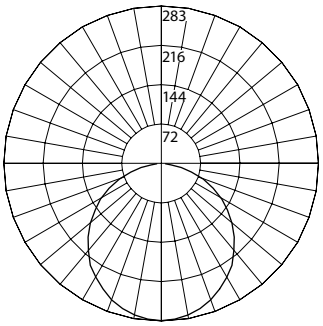
Photometric Data

RSD6 2700K

Input Voltage (VAC)	120V
System Level Power (W)	15.7
Delivered Lumens (Lm)	943
System Efficacy (Lm/W)	60.3
Correlated Color Temp (K)	2706
Color Rendering Index (CRI)	94 R9=61
Beam Angle	120
Spacing Criteria	1.42

CCT Data Multiplier

3000K	1.029
4000K	1.056
5000K	1.078



Intensity Summary (Candle Power)

Angle	Mean CP
0	284
5	288
15	288
25	282
35	265
45	231
55	179
65	118
75	66
85	28
90	16

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	17.9	13.6
6	7.9	20.4
8	4.5	27.2
10	2.9	34.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	232	24.6%
0-40	390	41.3%
0-60	715	75.8%
0-90	943	100%
90-180	0	0%
0-180	943	100%

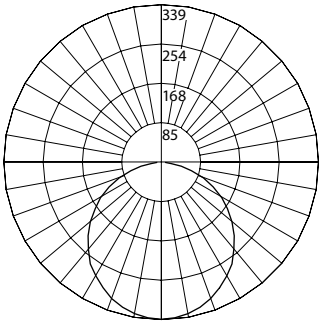
Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

RSD8 2700K

Input Voltage (VAC)	120V
System Level Power (W)	18.5
Delivered Lumens (Lm)	1120
System Efficacy (Lm/W)	60.5
Correlated Color Temp (K)	2720
Color Rendering Index (CRI)	94 R9=62
Beam Angle	121
Spacing Criteria	1.38

CCT Data Multiplier

3000K	1.029
4000K	1.056
5000K	1.078



Intensity Summary (Candle Power)

Angle	Mean CP
0	338
5	338
15	333
25	321
35	299
45	260
55	206
65	141
75	79
85	32
90	16

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	21.1	14.2
6	9.4	21.3
8	5.3	28.4
10	3.4	35.5

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	274	24.5%
0-40	460	41.1%
0-60	845	75.5%
0-90	1120	100%
90-180	0	0%
0-180	1120	100%

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
RSD411202KWH	631	10.7	59.0
RSD411203KWH	649		60.7
RSD411204KWH	666		62.2
RSD411205KWH	680		63.6
RSD611202KWH	943	15.7	60.1
RSD611203KWH	970		61.8
RSD611204KWH	996		63.4
RSD611205KWH	1017		64.8
RSD811202KWH	1120	18.5	60.5
RSD811203KWH	1152		62.3
RSD811204KWH	1183		63.9
RSD811205KWH	1207		65.2

Recommended Dimmers*

Lutron Diva DVCL-153P
Lutron Maestro MACL-153M
Eaton Cooper SLC03P
Leviton IPL06
Lutron DIVA DVELV-300P

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

Housing Compatibility*

MOST STANDARD 4" NON-METALLIC OR 4/O JUNCTION BOXES

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.