RCD

Low Profile Surface Mount LED Downlight

Project

Catalog

Type

Date

Product Description

The RCD Selectable is a Low Profile Surface Mount Downlight, a sleek and low-profile lighting solution meticulously crafted for seamless integration into the most confined spaces. Designed with a low profile, this downlight offers a thin installation profile, ensuring a discreet yet powerful lighting presence. Simplifying the installation process is our innovative twist lock diffuser, allowing for effortless removal during installation. The direct box mount guarantees a flush fit to the ceiling, delivering a polished and professional aesthetic. The versatility of this downlight is further enhanced by its CCT Selectable feature, offering a range of color temperatures (2700/3000/3500/4000/5000K) via switch, enabling you to customize the lighting ambiance to your preference. Economical and practical, each pack includes 24 units, making it an efficient choice for both residential and commercial lighting projects. Illuminate your space with the RCD Downlight, a perfect blend of functionality and style.

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

Optical System
- Molded polymer, UV stabilized diffuser maximizes light output.
- Convex diffuser creates uniform light distribution while reducing glare
- Offered in 5CCT selection of 2700K, 3000K, 3500K, 4000K, or 5000K

Electrical
- Input voltage of 120VAC, 60Hz
- CCT switch located under lens
- Dimmable to 10% with compatible leading edge (TRIAC) and trailing edge (ELV) dimmers
- Operating temperature rating of -4°F to 104°F (-20°C to 40°C)

Finish
- White powder coat finish standard

Mounting and Installation
- Easy installation in metallic and non-metallic new construction junction boxes (see compatibility list for more information)
- Keyhole mounting slots allow for quick installation to junction boxes
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings
- cETLus 1598 Listed for wet locations
- CA Title 24/JA8 Compliant
- 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
- TM-21 Reported L70 life >60,000 hours
- 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)

RCD

4" & 6" Surface Mount LED Downlight

600, 900 lumen

Intertek

CAN BE USED TO COMPLY WITH T24 2022 PART 6

HIGH EFFICACY LED LIGHT JA8 2022 SOURCE REQUIREMENTS

WET LOCATION RATED

5 YEAR WARRANTY

NICOR®

Ordering

Ordering Information

Example: RCD41120S9WH

Series	Version	Voltage	CCT's	CRI	Trim Color
◉ **RCD4** ☐ **RCD6**	**1**	**120**	**S** (2700/3000/3500/4000/5000K)	**9** (CRI 90)	**WH** (White)

Specifications and dimensions subject to change without notice. Please refer to the website for the most up-to-date information.
- Please note that this is a bulk order that consist of 24 units each.

Performance Data

Performance Data

Model Number	CCT	Lumens	Power Draw	Lumens/Watt
RCD41120S9WH	2700	605	10	60.5
	3000	630		63.0
	3500	664		66.4
	4000	670		67.0
	5000	652		65.2
RCD61120S9WH	2700	910	15	60.7
	3000	977		65.1
	3500	1056		70.4
	4000	1060		70.7
	5000	1020		68.0

Housing Compatibility*

RCD4 (4" DOWNLIGHT)	STANDARD 4" METALLIC AND NON-METALLIC JUNCTION BOXES
RCD6 (6" DOWNLIGHT)	STANDARD 3" AND 4" METALLIC AND NON-METALLIC JUNCTION BOXES

Recommended Dimmers*

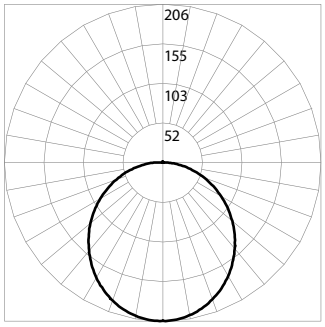
Lutron Diva DVCL-153P

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

Photometric Data

RCD4 (2700K)

Input Voltage (VAC)	120
System Level Power (W)	10.0
Delivered Lumens (Lm)	605
System Efficacy (Lm/W)	60.5
Correlated Color Temp (K)	2743
Color Rendering Index (CRI)	94.9
Beam Angle (0)	111.6
Beam Angle (90)	111.9
Spacing Criteria (0)	1.24
Spacing Criteria (90)	1.24



Intensity Summary (Candle Power)

Angle	Mean CP
0	206
5	205
15	196
25	180
35	158
45	132
55	103
65	73
75	42
85	16
90	7

CCT Data Multiplier

3000K	1.041
3500K	1.098
4000K	1.107
5000K	1.078

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	12.9	11.8
6	5.7	17.7
8	3.2	23.5
10	2.1	29.4

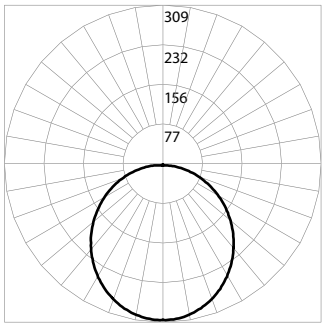
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	159	26.2%
0-40	259	42.7%
0-60	457	75.4%
0-90	602	99.4%
90-180	3	0.6%
0-180	605	100%

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

RCD6 (2700K)

Input Voltage (VAC)	120
System Level Power (W)	15.0
Delivered Lumens (Lm)	910
System Efficacy (Lm/W)	60.7
Correlated Color Temp (K)	2683
Color Rendering Index (CRI)	94.1
Beam Angle (0)	111.8
Beam Angle (90)	112.1
Spacing Criteria (0)	1.24
Spacing Criteria (90)	1.24



Intensity Summary (Candle Power)

Angle	Mean CP
0	309
5	306
15	293
25	269
35	237
45	197
55	154
65	109
75	65
85	25
90	10

CCT Data Multiplier

3000K	1.074
3500K	1.160
4000K	1.165
5000K	1.121

Cone of Light Tabulation

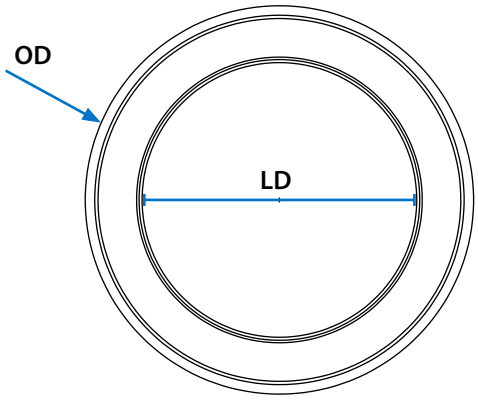
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	19.3	11.8
6	8.6	17.7
8	4.8	23.6
10	3.1	29.5

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	238	26.1%
0-40	388	42.6%
0-60	686	75.3%
0-90	905	99.4%
90-180	5	0.6%
0-180	910	100%

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

Dimensions



Dimensions			
Fixture	Outer Diameter (OD)	Lens Diameter (LD)	Height (H)
RCD4	5.9″ (149mm)	3.9″ (99mm)	0.87″ (22mm)
RCD6	7.2″ (183mm)	5.2″ (132mm)	0.87″ (22mm)