### **RCD**

## Low Profile Surface Mount LED Downlight

### **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)

Type

Date

Select

Project

4" & 6" Surface Mount LED Downlight 600, 900 lumen













## Ordering

Ordering Information Example: RCD41120S9WH					
Series	Version	Voltage	CCT's	CRI	Trim Color
RCD4		120	£ (2700/2000/2500/4000/5000K)	<b>0</b> (CDI 00)	MII (\M\b.:4-)
RCD6	<b>'</b>	120	<b>\$</b> (2700/3000/3500/4000/5000K)	<b>9</b> (CRI 90)	<b>WH</b> (White)

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

### **Performance Data**

Performance Data				
Model Number	ССТ	Lumens	Power Draw	Lumens/Watt
	2700	605	10	60.5
	3000	630		63.0
RCD41120S9WH	3500	664		66.4
	4000	670		67.0
	5000	652		65.2
	2700	910		60.7
	3000	977		65.1
RCD61120S9WH	3500	1056	15	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\***

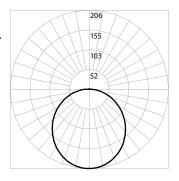
Lutron Diva DVCL-153P

\*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		

90	7		
CCT Data Multiplier			
3000K	1.041		
3500K	1.098		
4000K	1.107		
5000K	1.078		

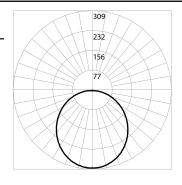
Cone of Light Tabulation				
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)		
4	12.9	11.8		
6	5.7	17.7		
8	3.2	23.5		
10	2.1	29.4		

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 D . M. IV. IV		

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		

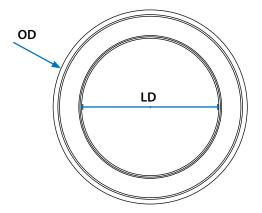
Zonal Lumen Summary			
Zone	Lumens	% of Luminaire	
0-30	238	26.1%	
0-40	388	42.6%	
0-60	686	75.3%	
0-90	905	99.4%	
90-180	5	0.6%	
0-180	910	100%	

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



<sup>-</sup> Please note that this is a bulk order that consist of 24 units each.

### **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)	

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 will not occur in a particular installation. ence 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.

