

IXD

5"/6" Recessed LED Downlight

Product Description

The NICOR IXD Series LED Downlight is the latest 5-inch/6-inch recessed LED downlight designed for 5-inch or 6-inch remodel and new construction housings. This integrated LED retrofit light is perfect for replacing outdated recessed trims and light bulbs with the latest energy efficient LED fixture. The advanced driver on board (DOB) technology combines performance with energy efficiency in a true low-profile design. The IXD features Selectable color temperatures at 2700K, 3000K, 3500K, 4000K, and 5000K with refined dimming functionality for customized lighting in any room. In terms of light quality, the IXD scores >90 with an R9 value >50 for true color rendering. Designed for easy plug and play installation, the IXD is equipped with a quick-connect plug and medium (Edison) socket base adapter for universal compatibility. There's no special wiring required for the dimmer, and installation can be performed right out of the box; no additional part required. Available in 12-packs only. Protected by NICOR's 5-year limited warranty.

Construction

- Steel housing for maximum durability
- Reinforced torsion (v-spring) clips for secure installations
- Compact, low-profile design to fit shallow housings

Optical System

- Precision-engineered polycarbonate diffuser for uniform light distribution and reduced glare
- Features high-performance LEDs with >90 CRI and >50 R9 for true color rendering
- 5 Selectable color temperatures (2700K, 3000K, 3500K, 4000K, and 5000K)
- Beam Angle: 112°

Electrical

- Input voltage 120VAC (60Hz)
- Power factor: >0.9
- CCT selection switch located on side of housing
- Dimmable to 10% with most TRIAC dimmers (recommended dimmers on page 2)
- Operating temperature of -4°F to 113°F (-20°C to 45°C)

Mounting and installation

- Unique torsion bar design allows for precise adjustment to 5-inch or 6-inch recessed housings
- Durable torsion (v-spring) clips for a secure installation without gaps
- Low-profile design, fits shallow 5-inch and 6-inch recessed housings
- Quick-Connect plug allows for easy installation with modern LED housings
- Ships with Edison base socket string (GU24 socket string available)

Finish

- Matte powder coat finish available in Black and White

Listings

- cETLus Intertek Listed under UL1598
- Title 24 (Except 5000K setting) and JA8 compliant
- Damp-location rated, suitable for areas with moisture/humidity
- LED lumen maintenance: L70(9k)>50,000 hours

Warranty

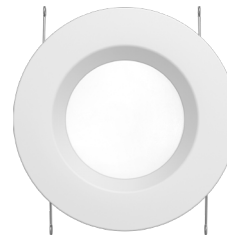
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.) For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

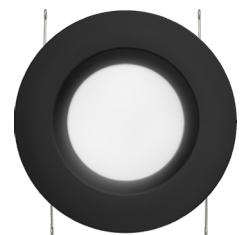
Catalog

Type

Date



White



Black



Quick-Connect Plug



IXD
5"/6" Recessed LED Downlight
1,000 Lumens
Selectable CCT



Ordering

Ordering Information

Example: IXD561120S9WH

Series	Version	Voltage	CCT	CRI	Finish Color
IXD56	1 (Version 1.0)	120 (120VAC)	S (Selectable: 2700K/3000K/3500K/4000K/5000K)	9 (>90 CRI)	WH (White)
					BK (Black)

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

Housing Compatibility

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

Fits most standard 5" and 6" recessed housings.

Not a complete list. Check compatibility before installation.

Recommended Dimmers

Lutron TG-600PR-WH	Lutron SCL-153PH-WH	Leviton 6672
Lutron S-600PR-WH	Lutron GT-600P	Leviton 6674
Lutron CTCL-153PDH-WH	Lutron DVCL-153P	Leviton DSL06
Lutron TGCL-153PH-LA	Lutron PD-6WCL	Leviton RNL06
Lutron SLV-600P-AL	Lutron MSCL-OP153M	Leviton IPL06
Lutron DV-600PR-WH	Lutron MACL-153M//MA-R	

Not a complete list. Check compatibility before installation

Performance Data

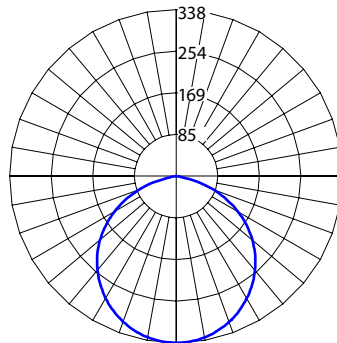
Performance Data

Model Number	CCT	Lumens	Wattage	Lumens/Watt
IXD1120S9**	2700	869	11.58	75.0
	3000	933	11.73	79.5
	3500	1024	11.97	85.5
	4000	1024	11.91	86.0
	5000	979	11.67	83.9

Photometric Data

IXD @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	11.7
Delivered Lumens (Lm)	933
System Efficacy (Lm/W)	79.5
Correlated Color Temp (K)	3073
Color Rendering Index (CRI)	95 R9=69
Beam Angle (°)	111.9
Spacing Criteria	1.28



Intensity Summary (Candle Power)

Angle	Mean CP
0	338
5	337
15	326
25	303
35	270
45	228
55	176
65	115
75	48
85	2
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	21.1	11.8
6	9.4	17.8
8	5.3	23.7
10	3.4	29.6
12	2.3	35.5
14	1.7	41.4
16	1.3	47.4

Zonal Lumen Summary

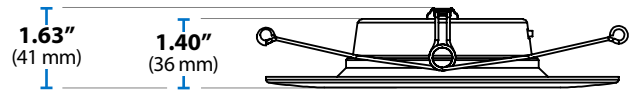
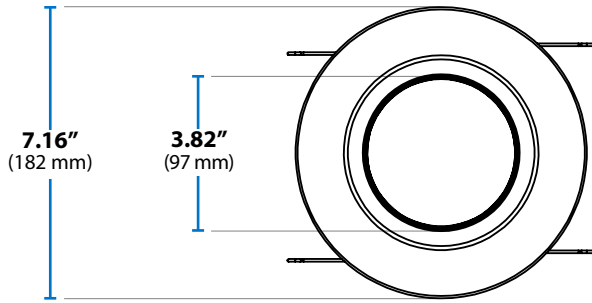
Zone	Lumens	% of Luminaire
0-30	263	28.2%
0-40	431	46.2%
0-60	762	81.7%
0-90	933	100%
90-180	0	0%
0-180	933	100%

CCT Data Multiplier

2700K	0.931
3000K	1.000
3500K	1.098
4000K	1.098
5000K	1.049

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

Dimensions



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.