

# 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 This integrated LED retrofit light is perfect for replacing outdated recessed trims and light bulbs with the latest energy efficient LED fixture.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 5% 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
- ENERGY STAR Downlights 1.0 listed
- Damp-location rated, suitable for areas with moisture/humidity
- LED lumen maintenance: L70(9k)>50,000 hours

### Warranty

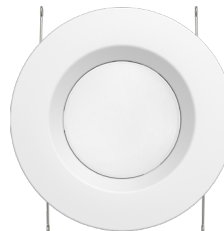
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.) For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

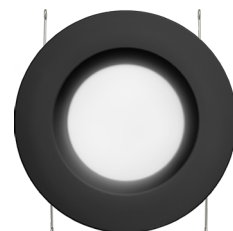
Catalog

Type

Date



White



Black



Quick-Connect Plug



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



5000K Excluded

**NICOR**

## 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

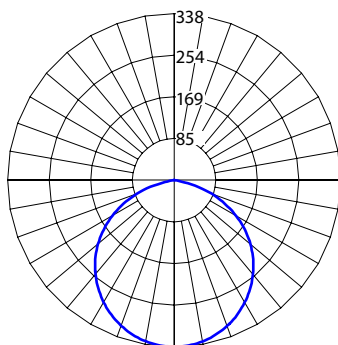
### Performance Data

| 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

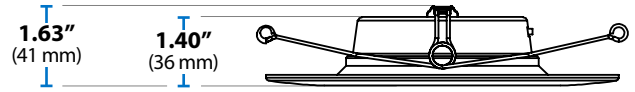
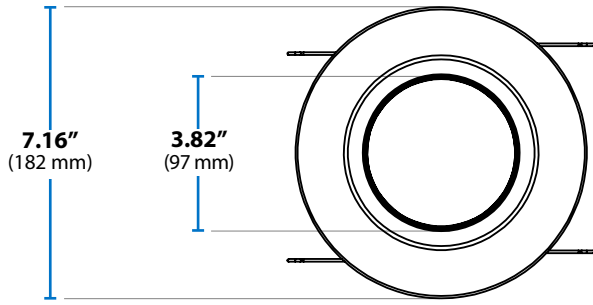
| Zone   | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30   | 263    | 28.2%          |
| 0-40   | 431    | 46.2%          |
| 0-60   | 762    | 81.7%          |
| 0-90   | 933    | 100%           |
| 90-180 | 0      | 0%             |
| 0-180  | 933    | 100%           |

### 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.