IXD

4”& 5”/6” Recessed LED Downlight

Project

Catalog

Type

Date

Product Description

The NICOR IXD Series 4” & 5”/6” LED Downlight is the latest recessed LED downlight designed for 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 This integrated LED retrofit light is perfect for replacing outdated recessed trims and light bulbs with the latest energy-efficient LED fixture.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 achieves a CRI of >90 with an R9 value of >50 for true color rendering. Designed for easy plug-and-play installation, the IXD is equipped with a quick-connect plug and medium-base (Edison) socket adapter for universal compatibility. No special wiring is required for the dimmer, and installation can be performed right out of the box; no additional parts are required. Available only in 12-packs. Backed by NICOR’s 5-year limited warranty.

Construction
- Steel housing for maximum durability
- Friction fit clips on 4” model
- Reinforced torsion (v-spring) clips for secure installations on 6” model
- Included EVA gasket to conform to AirTight rating when used with AirTight housing
- Compact, low-profile design to fit shallow housings
- Matte powder coat finish available in Black and White

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)

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)

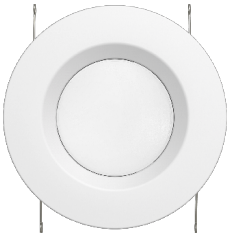
Mounting and installation
- Compatible with most 4” or 5” & 6” recessed housings
- Low-profile design, fits shallow recessed housings
- Quick-Connect plug allows for easy installation with modern LED housings
- Ships with Edison base socket string (GU24 socket string available)

Listings
- cETLus Intertek Listed under UL1598
- ENERGY STAR listed
- Title 24 (Except 5000K setting) and JA8 compliant
- Damp-location rated, suitable for areas with moisture/humidity
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- LED lumen maintenance: L70 >54,000 hours for IXD4
- LED lumen maintenance: L70 >102,000 hours for IXD56

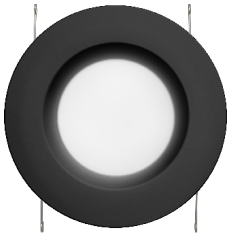
Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.) For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel







White



Black



CCT Selectable Switch



Quick-Connect Plug





IXD

5”/6”Recessed LED Downlight

4”: 820 Lumens

6”: 1,000 Lumens

Selectable CCT



5000K Excluded

NICOR®

Ordering

Ordering Information

Example: IXD561120S9WH

Series	Version	Voltage	CCT's	CRI	Trim
☐ **IXD4**	**1**	**120**	**S** (Selectable: 27K/30K/35K/40K/50K)	**9** (>90)	☐ **WH** (White)
☐ **IXD56**					☐ **BK** (Black)

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

Accessories

accessories sold separately

GU24 to IDEAL Socket String	☐ **GU24-IDEAL-SKT-STR**

Housing Compatibility

IXD4:	
19000A-LED-ID	**4" LED IC AIRTIGHT NEW CONSTRUCTION HOUSING**
19001AR-LED-ID	**4" LED IC AIRTIGHT REMODEL HOUSING**
IXD56:	
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 4", 5" and 6" recessed housings.
Not a complete list. Check compatibility before installation.

Recommended Dimmers

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

Not a complete list. Check compatibility before installation

Photometric Data

Performance Data

Model	CCT	Lumens	Wattage	Lumens/Watt
IXD4	2700	754	9.71	77.7
	3000	788	9.77	80.7
	3500	842	9.90	85.1
	4000	849	9.86	86.1
	5000	810	9.54	84.9

Performance Data

Model	CCT	Lumens	Wattage	Lumens/Watt
IXD56	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

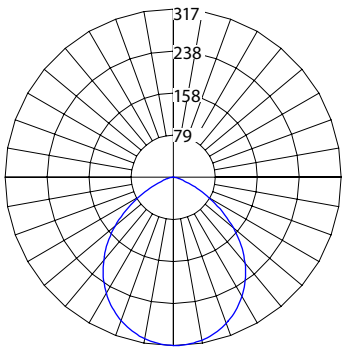
Photometric Data

IXD4 @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	9.77
Delivered Lumens (Lm)	788
System Efficacy (Lm/W)	80.7
Correlated Color Temp (K)	3000
Color Rendering Index (CRI)	93 R9=60
Beam Angle (°)	113 °
Spacing Criteria	1.22

CCT Data Multiplier

2700K	0.96
3000K	1.00
3500K	1.07
4000K	1.08
5000K	1.03



Intensity Summary (Candle Power)

Angle	Mean CP
0	317
5	315
15	303
25	280
35	243
45	194
55	137
65	77
75	22
85	4
90	1

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	19.8	10.1
6	8.8	15.2
8	4.9	20.3
10	3.2	25.3
12	2.2	30.4
14	1.6	35.5
16	1.2	40.5

Zonal Lumen Summary

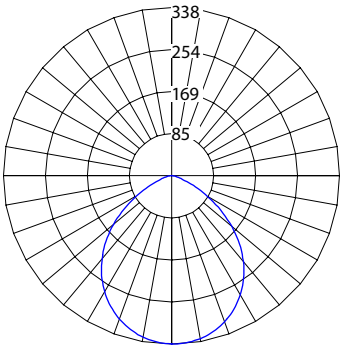
Zone	Lumens	% of Luminaire
0-30	244.2	31.0%
0-40	395.5	50.2%
0-60	667.5	84.7%
0-90	774.6	98%
90-180	13.8	2%
0-180	788.3	100%

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

Photometric Data

IXD56 @ 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

CCT Data Multiplier	
2700K	0.931
3000K	1.000
3500K	1.098
4000K	1.098
5000K	1.049



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

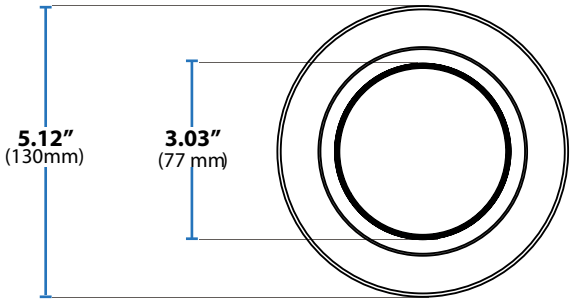
Cone of Light Tabulation		
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	21.1	11.8
6	9.4	17.8
8	5.3	23.7
10	3.4	29.6
12	2.3	35.5
14	1.7	41.4
16	1.3	47.4

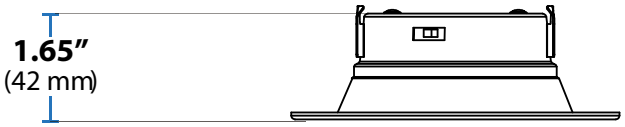
Zonal Lumen Summary		
Zone	Lumens	% of Luminaire
0-30	263	28.2%
0-40	431	46.2%
0-60	762	81.7%
0-90	933	100%
90-180	0	0%
0-180	933	100%

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

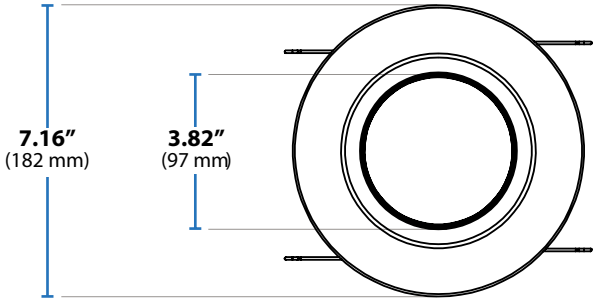
Dimensions

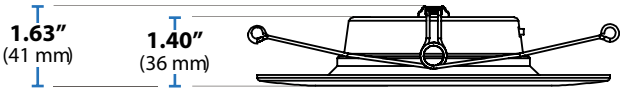
4-inch





6-inch





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.