

IXE

4" and 6" Recessed LED Downlight

Product Description

The IXE Canless LED Downlight presents a clean and attractive low-profile design that's incredibly easy to install. The IXE features Selectable color temperatures at 2700K, 3000K, 3500K, 4000K, and 5000K for true customized lighting in any room. The edge-lit technology provides consistent lighting with an extremely thin fixture depth at just 0.38". The separate, off-board driver/junction box and spring-loaded retention tabs allow faster and easier installation eliminating the need for a recessed housing. A plenum-rated cable links the downlight to the remote driver, keeping heat away from vital components for an increased product lifespan. The IXE is Insulation Contact rated (IC-rated), Airtight, Wet-Location rated, and protected by NICOR's 5-Year Limited Warranty. Available in 12-packs, delivered ready to install and use right out of the box. No other parts or components required.

Construction

- Cast-aluminum housing helps direct heat away from electrical components
- Edge-lit technology provides consistent lighting with an extremely thin fixture depth
- Adjustable, spring-loaded retention tabs help keep the product secured in place
- Features an off-board driver/junction box to minimize installation height while maximizing the life of the fixture through optimal heat management
- White powder coat finish standard on all models, (4-inch model available painted in black)
- 6" model available with optional black faceplate
- Additional faceplates available in brushed nickel and oil-rubbed bronze

Optical System

- Polystyrene diffuser helps reduce glare without sacrificing lumen output
- Precision-engineered optical stack creates consistent light distribution and
- Beam angle: 113°
- Features high-performance LEDs with 80 CRI for true color definition
- 5 Selectable color temperatures (2700K, 3000K, 3500K, 4000K, and 5000K)

Electrical

- Input voltage of 120VAC (60Hz)
- Power factor: >0.9
- CCT selector switch located on driver/junction box
- Dimmable to 10% with compatible TRIAC dimmers (recommended dimmers on page 2)
- Operating temperature range: -4°F to 113°F (-20°C to 45°C)

Installation

- Canless design eliminates the need for recessed housing
- Spring-loaded retention tabs secure the fixture in ceilings up to 1" thick
- Off-board driver/junction box includes three 1/2" knockouts
- Three 4-port push-in connectors provided for easy wiring
- 4.30" & 6.30" diameter cut-out template included
- Accessory metal rough-in template and frames available
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings

- ETL Intertek Listed
- Wet-location rated, suitable for areas with high moisture/humidity
- Certified for direct contact with insulation (IC-Rated)
- Meets ASTM E283 AirTight requirements
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- LED lumen maintenance: L70(9k)>50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Warranty

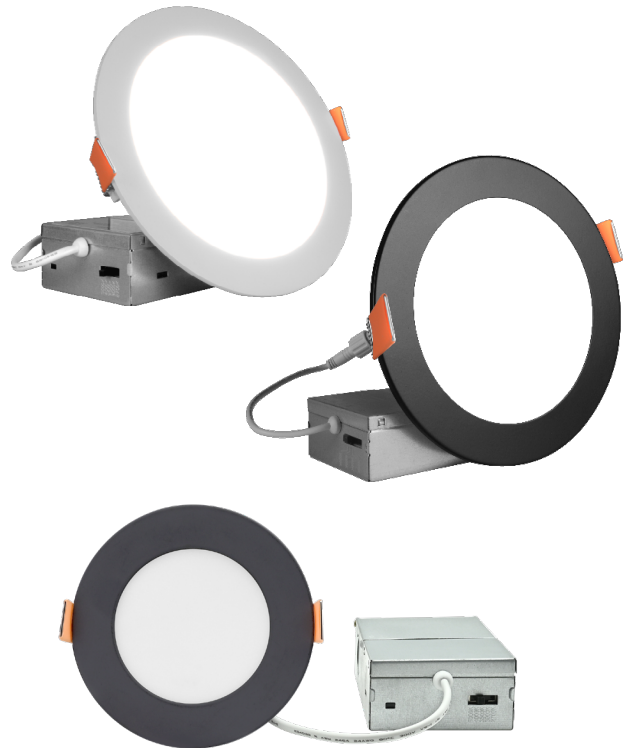
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

Date



IXE

4" and 6" Recessed LED Downlight

4": 650 Lumens

6": 1,050 Lumens



Ordering

Ordering Information

Example : IXE61120S8RDWH

Series	Size	Version	Voltage	CCT's	CRI	Shape	Trim Color
IXE	☐ 4 (4-inch)	1 (Version 1)	120 (120VAC)	S (Select: 2700K/3000K/3500K/4000K/5000K)	8 (80 CRI)	RD (Round)	☐ WH (White)
	☐ 6 (6-inch)						☐ BK (Black) ¹

1. 4" Black model is powder-coated (black painted), 6" Black model includes separate black trim cover.

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

Included in the Box

IXE LED Downlight



Driver/Junction Box

Push-In Connectors



Cutout Template



Accessories

4" Black Trim Ring	☐	REL4-1-TR-LD-RD-BK
4" Oil-Rubbed Bronze Trim Ring	☐	REL4-1-TR-LD-RD-OB
6" Black Trim Ring	☐	REL6-1-TR-RD-BK
6" Brushed Nickel Trim Ring	☐	REL6-1-TR-RD-NK
6" Oil-Rubbed Bronze Trim Ring	☐	REL6-1-TR-RD-OB
4" Flat Rough-In Template	☐	DLE4-ROUGHIN-FRAME
6" Flat Rough-In Template	☐	DLE6-ROUGHIN-FRAME
3", 4", 6" Flat Rough-In Template	☐	ROUGHIN-TEMPLATE-346
Multi-Diameter Recessed Mounting Frame	☐	MULTIFRAME-346-1

Specification Data

Performance Data (Round)

Model Number	CCT	Lumens	Watts	Lumens/Watt
IXE41120S8RDWH	2700K	505	8.7	58.0
	3000K	553	8.6	64.2
	3500K	607	8.5	71.8
	4000K	621	8.4	73.6
	5000K	564	8.8	64.1

Performance Data (Round)

Model Number	CCT	Lumens	Watts	Lumens/Watt
IXE61120S8RDWH	2700K	922	11.8	78.1
	3000K	1026	11.6	88.4
	3500K	1095	11.4	96.1
	4000K	1097	11.4	96.2
	5000K	1023	11.8	86.7

Recommended Dimmers*

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

*Not a complete list. Check compatibility before installation.

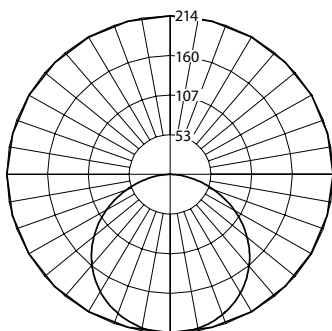
Photometric Data

IXE4 (4000K)

Input Voltage (VAC)	120
System Level Power (W)	8.4
Delivered Lumens (Lm)	621
System Efficacy (Lm/W)	74
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	80
Beam Angle (°)	113
Spacing Criteria	1.26

CCT Data Multiplier

2700K	0.81
3000K	0.89
3500K	0.98
4000K	1.00
5000K	0.97



Intensity Summary (Candle Power)

Angle	Mean CP
0	213
5	213
15	205
25	191
35	170
45	143
55	112
65	77
75	41
85	6
90	1

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	13.3	12.2
6	5.9	18.4
8	3.3	24.5
10	2.1	30.6

Zonal Lumen Summary

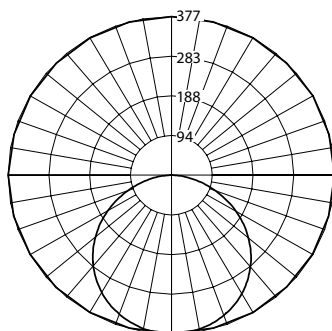
Zone	Lumens	% of Luminaire
0-30	166	26.8%
0-40	272	43.8%
0-60	481	77.6%
0-90	610	98%
90-180	11	2%
0-180	621	100%

IXE6 (4000K)

Input Voltage (VAC)	120
System Level Power (W)	11.4
Delivered Lumens (Lm)	1,097
System Efficacy (Lm/W)	96.2
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	80
Beam Angle (°)	113
Spacing Criteria	1.26

CCT Data Multiplier

2700K	0.84
3000K	0.94
3500K	1.00
4000K	1.00
5000K	0.93



Intensity Summary (Candle Power)

Angle	Mean CP
0	377
5	375
15	362
25	337
35	300
45	253
55	197
65	135
75	71
85	14
90	2

Cone of Light Tabulation

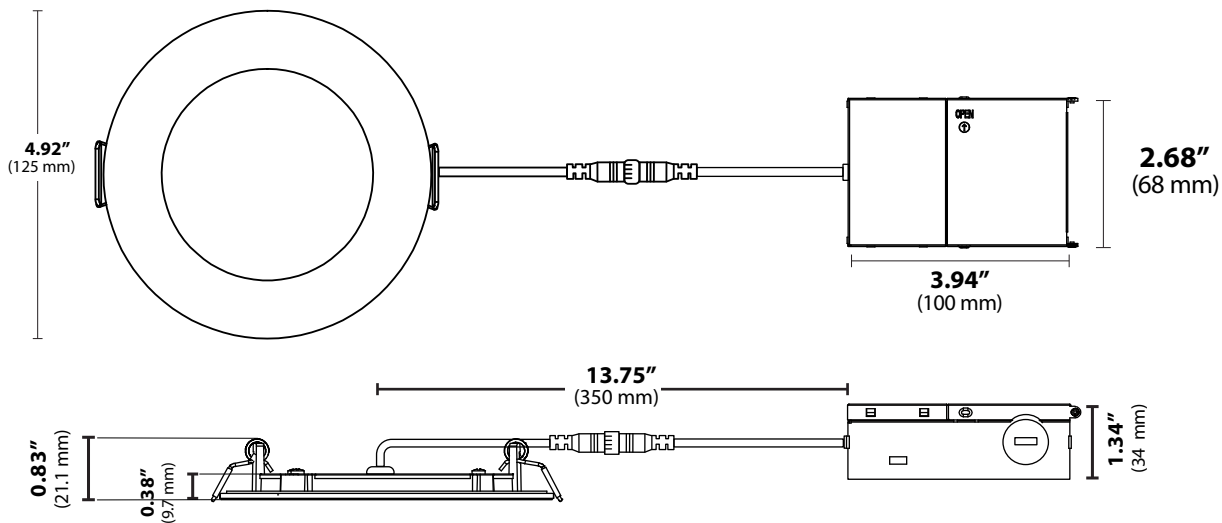
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	23.5	12.1
6	10.5	18.2
8	5.9	24.2
10	3.8	30.3

Zonal Lumen Summary

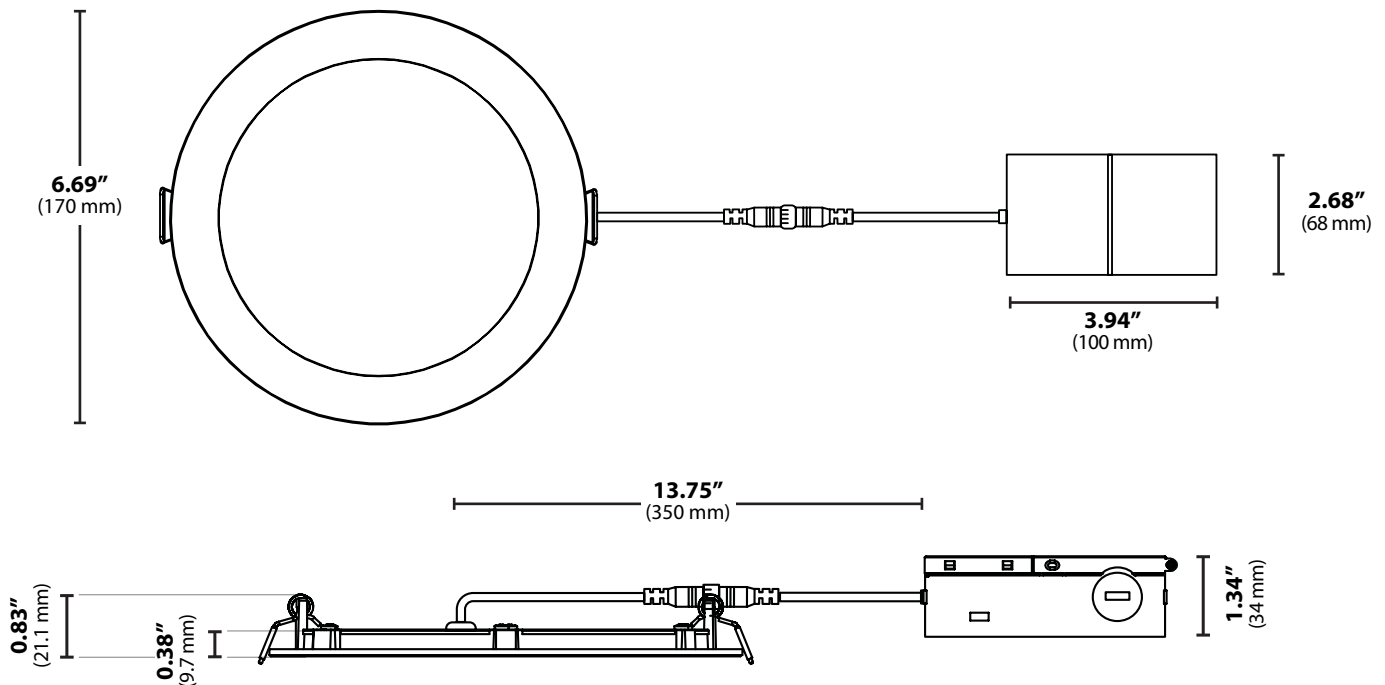
Zone	Lumens	% of Luminaire
0-30	293	26.7%
0-40	480	43.8%
0-60	852	77.6%
0-90	1078	98.3%
90-180	19	1.7%
0-180	1097	100%

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.