

## NOX-5631 / NOX-5632 5"/6" Onyx Round Retrofit Downlight

Source: LED, 12.5 Watts, 750 Lumens

### PRODUCT DESCRIPTION

The Onyx 5"/6" Round Series is suitable for use with most 5" and 6" recessed housings. Die-cast aluminum construction provides clean sharp edges. Deep regressed optics and round aperture delivers even and glare-free illumination. Available in multiple color temperatures and 90+ CRI. Onyx Round is cULus wet label and ENERGY STAR listed.

### FEATURES:

- 750 lumens
  - High color rendition: 90+ CRI
  - 120V / 12.5 Watts max
  - 2700K, 3000K or 4000K
  - Integral driver
  - Dimmable
  - Includes medium base socket adaptor for easy retrofitting in 5" or 6" recessed housings
  - Quick connector is compatible with Nora NHIC -5LMRAT / NHIC-6LMRAT and NHRIC-5LMRAT / NHRIC-6LMRAT dedicated LED housings.
- LED Dedicated housings are required by some codes in recessed can applications or to meet energy rebate program requirements.*

### SPECIFICATION

**Trim:** One piece, die-cast aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

**Housings:** Compatible with most 5" and 6" IC and non-IC housings by Nora and others.

**Mounting:** Two steel, spring mounting springs allow for easy and secure mounting in most 6" housings.

**Optics:** Nora specified and designed precision-molded lens for optimal lumen output and even distribution. The white polymer lens diffuser evenly distributes the light.

**Finishes:** Available in white finish.

### ELECTRICAL

**Voltage:** 120V  
**Lumens:** 750lm  
**CRI:** 90+ CRI  
**Wattage:** 12.5 Watts  
**Light Source:** Samsung LED  
**Driver:** Built-in driver, 104mA  
**Operating Temp:** 0°C to 45°C ambient temperature  
**Dimming:** 5% with electronic low voltage dimmer or 10% with 2-wire dimmer

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](http://www.NoraLighting.com) in the "Compatibility" page under "Resources" tab.

### COMPATIBLE HOUSINGS

#### Fire Box

**NFBIC-5INCAT** 5" ICAT Fire Box  
**NFBIC-5LMRAT\*** 5" ICAT Dedicated LED Fire Box

**NFBIC-6INCAT** 6" ICAT Fire Box  
**NFBIC-6LMRAT\*** 6" ICAT Dedicated LED Fire Box

#### New Construction

**NHIC-501QAT** 5" ICAT Line Voltage  
**NH-501Q** 5" Line Voltage  
**NHIC-5G24ATFL** 5" ICAT GU24  
**NHIC-527QAT** 5" ICAT Shallow Line Voltage  
**NHIC-5LMRAT\*** 5" ICAT Dedicated LED  
**NHIC-5LMRAT/277\*** 5" ICAT Dedicated LED, 277V  
**NHIC-527LMRAT\*** 5" ICAT Shallow Dedicated LED

**NHIC-17QAT** 6" ICAT Line Voltage  
**NHIC-17QNBAT** 6" ICAT Line Volt (No Bracket)  
**NHIC-27QAT** 6" ICAT Shallow Line Voltage  
**NH-26Q** 6" Line Voltage  
**NH-26QNB** 6" Line Voltage (No Bracket)  
**NHIC-6G24ATFL** 6" ICAT GU24  
**NHIC-6LMRAT\*** 6" ICAT Dedicated LED  
**NHIC-6LMRAT/277\*** 6" ICAT Dedicated LED, 277V  
**NHIC-27LMRAT\*** 6" ICAT Shallow Dedicated LED

#### Remodel

**NHRIC-504QAT** 5" ICAT Line Voltage  
**NHR-504Q** 5" Line Voltage  
**NHRIC-527QAT** 5" ICAT Shallow Line Voltage  
**NHRIC-5G24ATFL** 5" ICAT GU24  
**NHRIC-5LMRAT\*** 5" ICAT Dedicated LED  
**NHRIC-527LMRAT\*** 5" ICAT Shallow Dedicated LED

**NHRIC-17QAT** 6" ICAT Line Voltage  
**NHRIC-17QNBAT** 6" ICAT Line Volt (No Bracket)  
**NHRIC-27QAT** 6" ICAT Shallow Line Voltage  
**NHR-26Q** 6" Line Voltage  
**NHRIC-6G24ATFL** 6" ICAT GU24  
**NHRIC-6LMRAT\*** 6" ICAT Dedicated LED  
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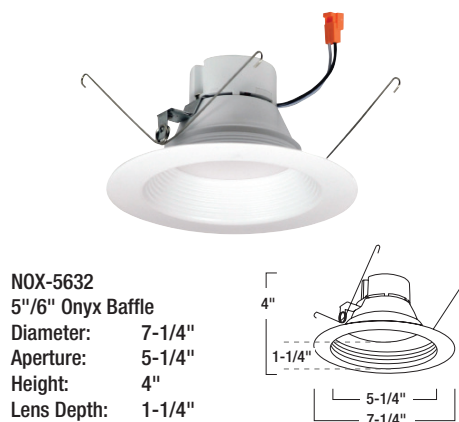
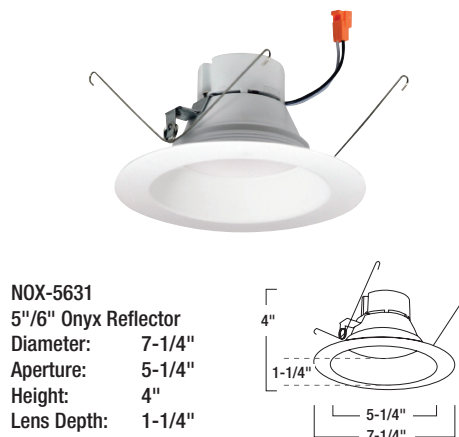
\* Nora LED Dedicated housings are cULus listed for use only with Nora Diamond/Cobalt/Onyx Series LED Retrofits.

### LABELS AND LISTINGS

ENERGY STAR Listed  
cULus Lamp Listed  
Meets ASTM-E283 Air-Tight requirements  
5 Year / 50,000 Hour Limited Warranty



### PRODUCT IMAGES AND DIMENSIONS



### 5" and 6" Onyx Round LED Retrofit

CAT. NO	COLOR TEMP	FINISH
<b>NOX-5631</b> Reflector	<b>27</b> 2700K	<b>WW</b> White / White
<b>NOX-5632</b> Baffle	<b>30</b> 3000K	
	<b>40</b> 4000K	

Example: **NOX-563140WW** 5"/6" Onyx Round Reflector LED Retrofit, 4000K, White finish

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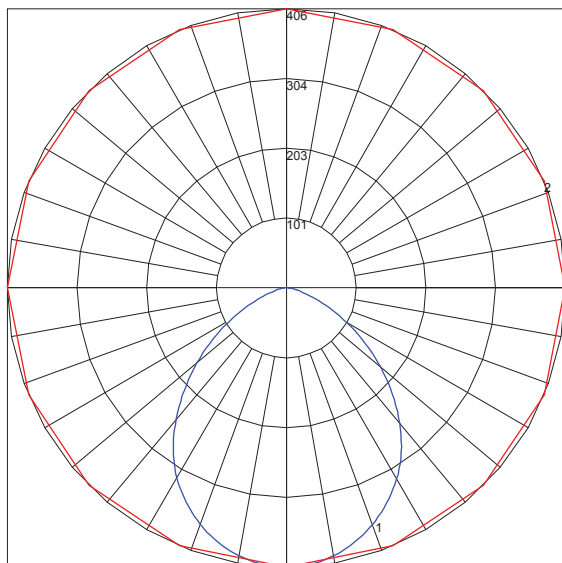
Source: LED, 12.5 Watts, 750 Lumens

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	80	69	60	54	78	68	60	54	65	59	54	64	58	53	62	57	52	51
6	74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

## POLAR GRAPH



Maximum Candela = 405.75 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	146.09	16.90
0-30	304.65	35.20
0-40	484.81	56.00
0-60	770.43	89.00
0-80	860.04	99.30
0-90	866.12	100.00
10-90	827.89	95.60
20-40	338.73	39.10
20-50	503.41	58.10
40-70	351.17	40.50
60-80	89.61	10.30
70-80	24.06	2.80
80-90	6.08	0.70
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	866.12	100.00