

# NOX-4

4" Onyx Retrofit Reflectors  
Source: 10.5W or 14.5W LED  
650lm or 900lm

Type
Project
Catalog No.
Notes

## PRODUCT DESCRIPTION

Onyx Retrofit Series is suitable for use with most 4" 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.

## FEATURES

- 650lm / 10.5W or 900lm / 14.5W
- 2700K, 3000K, 3500K, 4000K or 5000K @ 90+ CRI
- Integral dimmable driver
- Includes medium base socket adapter for easy retrofitting in 4" recessed housings
- Quick connector is compatible with dedicated LED housings
- 5-year limited warranty
- cULus classified for wet locations
- ENERGY STAR certified

## SPECIFICATION

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

**Mounting:** Two steel, spring mounting blades allow for easy and secure mounting in most 4" 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.

Retrofit: Onyx retrofit series includes medium base screw-socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

## ELECTRICAL

**Input Voltage:** 120V

**Lumens / Wattage:**

**(blank)** = 650lm / 10.5W; **/9** = 900lm / 14.5W

**Color Temperature:**

2700K, 3000K, 3500K, 4000K or 5000K

**CRI:** 90+CRI

**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

Onyx reflectors are compatible with most 4" IC and Non-IC housings by Nora and others.

### Fire Box

**NFBIC-4LMRATA\*** IC Air-Tight Dedicated LED Firebox

**NFBIC-427LMRATA\*** Shallow ICAT Dedicated LED Firebox (NFBIC-427LMRATA is not compatible with NOX-434)

**NFBIC-4INCATA** IC Air-Tight Line Voltage Firebox

### New Construction

**NHIC-4LMRAT\*** IC Air-Tight Dedicated LED

**NHIC-4LMRAT/277\*** ICAT Dedicated LED, 277V (includes step-down transformer)

**NHICCP-4LMRAT\*** Chicago Plenum Dedicated LED (NHICCP-4LMRAT is not compatible with NOX-434 or 900lm)

**NHIC-427LMRAT\*** Shallow IC Air-Tight Dedicated LED (NHIC-427LMRAT is not compatible with NOX-434 and 900lm)

**NSIC-401QAT** IC Air-Tight Line Voltage

**NS-401QAT** Air-Tight Line Voltage

**NHIC-4G24AT** IC Air-Tight GU24

### Remodel

**NHRIC-4LMRAT\*** IC Air-Tight Dedicated LED

**NHRIC-427LMRAT\*** Shallow IC Air-Tight Dedicated LED (NHRIC-427LMRAT is not compatible with NOX-434 and 900lm)

**NSR-404QAT** Air-Tight Line Voltage

**NHRIC-4G24AT** IC Air-Tight GU24

\* Nora LED Dedicated housings are cULus listed for use only with Nora LED Retrofits.

## ACCESSORIES

**NOX-4EYELIDW:** Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

**NOX-40R-W:** Round oversize ring used to cover ceiling cut-outs up to 5-7/8".

## LABELS AND LISTINGS

- cULus classified for Wet Location (NOX-434 is rated for damp location)
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Meets ASTM-E283 Air-Tight requirements
- Certified to the high efficacy requirements of California Title 24 JA8-2019



## PRODUCT IMAGES AND DIMENSIONS



## 4" Onyx Reflectors

Reflector Type	Color Temp.	Finish	Lumens / Wattage
<b>NOX-431</b> = Round Reflector	<b>27</b> = 2700K	<b>WW</b> = White / White Flange	<b>(blank)</b> = 650lm / 10.5W
<b>NOX-432</b> = Round Baffle	<b>30</b> = 3000K		<b>/9</b> = 900lm / 14.5W
<b>NOX-434</b> = Round Adjustable <sup>2</sup>	<b>35</b> = 3500K <sup>1</sup>		
<b>NOX-436</b> = Square Reflector	<b>40</b> = 4000K		
	<b>50</b> = 5000K <sup>1</sup>		

<sup>1</sup>Compatible with Round Reflector & Baffle only      <sup>2</sup>NOX-434 available in 650lm only

## Optional Accessories

Description
<b>NOX-4EYELIDW</b> = 4" Round Eyelid, White
<b>NOX-40R-W</b> = 4" Round Oversize Ring, White
<b>NRA-21ISM</b> = Medium base screw-in socket (included w/ ea)
<b>NRA-212SM</b> = Socket adapter for use with GU24 housings

Example: **NOX-43150WW** = 4" Onyx Reflector, 650lm / 10.5W LED, 5000K, White Reflector / White Finish

# PHOTOMETRICS

## 4" Onyx Retrofit Reflectors

Type

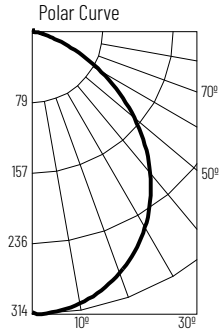
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### Test Information

Test Number: NTR11269  
 Part Number: NOX-43150WW  
 Lumens: 716lm  
 Wattage: 11.2W  
 Efficacy: 64lpw  
 CCT / CRI: 5000K / 90 CRI  
 Spacing Criteria (0°-180): 1.2  
 Spacing Criteria (90°-270): 1.22



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	19.5fc	9'
6'	8.7fc	13'-5"
8'	4.9fc	17'-11"
10'	3.1fc	22'-5"
12'	2.2fc	26'-11"

### Zonal Lumen Summary

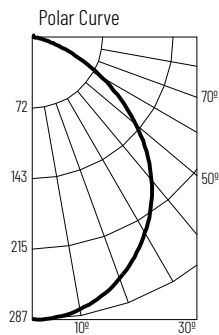
Zone	Lumens	% Luminaire
0-30	237	33.1
0-40	379	53
0-60	620	86.6
0-90	710	99.3
90-180	5	0.7
0-180	716	100

### Candela Table

Vertical Angles	Candela
0	312
5	311
15	297
25	268
35	228
45	176

### Test Information

Test Number: NTR11270  
 Part Number: NOX-43230WW  
 Lumens: 669lm  
 Wattage: 10.9W  
 Efficacy: 61lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.22  
 Spacing Criteria (90°-270): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	17.9fc	9'-6"
6'	8fc	14'-2"
8'	4.5fc	19'
10'	2.3fc	23'-8"
12'	2fc	28'-5"

### Zonal Lumen Summary

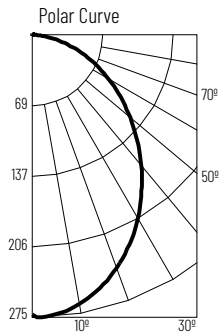
Zone	Lumens	% Luminaire
0-30	217	32.5
0-40	350	52.3
0-60	579	86.5
0-90	664	99.3
90-180	5	0.7
0-180	669	100

### Candela Table

Vertical Angles	Candela
0	286
5	285
15	273
25	248
35	214
45	169

### Test Information

Test Number: NTR11271  
 Part Number: NOX-43440WW  
 Lumens: 639lm  
 Wattage: 10.6W  
 Efficacy: 61lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180): 1.14  
 Spacing Criteria (90°-270): 1.14



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	17fc	8'-5"
6'	7.6fc	12'-7"
8'	4.3fc	16'-8"
10'	2.7fc	20'-11"
12'	1.9fc	25'-1"

### Zonal Lumen Summary

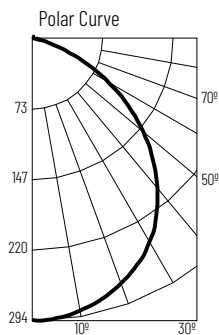
Zone	Lumens	% Luminaire
0-30	199	31.2
0-40	314	49.2
0-60	518	81
0-90	634	99.2
90-180	5	0.8
0-180	639	100

### Candela Table

Vertical Angles	Candela
0	272
5	271
15	253
25	222
35	183
45	150

### Test Information

Test Number: NTR11273  
 Part Number: NOX-43630WW  
 Lumens: 718lm  
 Wattage: 10.7W  
 Efficacy: 67lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.26  
 Spacing Criteria (90°-270): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	18.3fc	10'-1"
6'	8.1fc	15'-2"
8'	4.6fc	20'-4"
10'	2.9fc	25'-5"
12'	2fc	30'-5"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	226	31.5
0-40	368	51.3
0-60	621	86.5
0-90	713	99.3
90-180	5	0.7
0-180	718	100

### Candela Table

Vertical Angles	Candela
0	293
5	292
15	281
25	259
35	228
45	183

### Lumen Output Multipliers

Lumen Package: 650lm (1.00), 900lm (1.67)