

# NOXAC-431

## 4" AC Onyx LED Retrofit Reflector

Source: 10.5W or 15W

Up to 700lm or 1000lm

### PRODUCT DESCRIPTION

4" AC Onyx Retrofit Series requires no driver and allow for a sleek design. Spun aluminum construction provides clean sharp edges and is suitable for use with most 4" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

### FEATURES

- Up to 700 or 1000 delivered lumens
- 2700K, 3000K, 3500K, 4000K or 5000K @ 90+ CRI
- Dimmable AC LED
- Includes medium base socket adapter for easy retrofitting in 4" recessed housings
- Quick connector is compatible with dedicated LED housings
- 5-year limited warranty
- Classified for wet locations

### SPECIFICATION

**Reflector:** One piece, spun 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.

**Retrofit:** Luminaires include a medium base screw-socket adapter ([NRA-21ISM](#)) for retrofitting into medium base downlight housings. Intended to be used as a LED lamp replacement. GU24 socket adapter ([NRA-212SM](#)) is available.

ELECTRICAL	(blank)	/HL
<b>Input Voltage</b>	120VAC	
<b>Frequency</b>	60Hz	
<b>Input Power</b>	10.5W	15W
<b>Color Temperature</b>	2700K, 3500K, 4000K, 5000K	2700K, 3000K, 3500K, 4000K, 5000K
<b>Dimming</b>	Triac / ELV	
<b>Operating Temp.</b>	35°C max.	25°C max.

### COMPATIBLE HOUSINGS

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

#### Fire Box

- [NFJB-R4\\*](#) ICAT Junction Box (700lm only)
- [NFBIC-4LMRATA\\*](#) IC Air-Tight Dedicated LED Firebox
- [NFBIC-427LMRATA\\*](#) Shallow ICAT Dedicated LED Firebox
- [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
- [NHIC-427LMRAT\\*](#) Shallow IC Air-Tight Dedicated LED
- [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
- [NSR-404QAT](#) Air-Tight Line Voltage
- [NSRIC-404QAT](#) IC Air-Tight Line Voltage

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

### ACCESSORIES

- [NOX-4REFL](#): Round reflector insert used to convert the reflector finish for NOXAC-431. Available in black, haze or diffused clear.
- [NOX-4BAF](#): Round baffle insert used to convert the reflector for NOXAC-431. Available in black or white.
- [NOX-4EYELIDW](#): White round eyelid used to convert round reflector or baffle to half moon wall wash trim.
- [NOX-4OR-W](#): White round oversize ring used to cover ceiling cut-outs up to 5-7/8".

### LABELS AND LISTINGS

- 700lm luminaires are cULus classified for Wet Locations
- 1000lm luminaires are cETLus classified for Wet Locations
- [5-Year Limited Warranty](#)
- Meets ASTM-E283 Air-Tight requirements
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



Type

Project

Catalog No.

Notes

### Performance Data

Part Number	(blank) Lumens	/HL Lumens	CCT
<b>NOXAC-43127WW</b>	664lm	971lm	2700K
<b>NOXAC-43130WW</b>	-	952lm	3000K
<b>NOXAC-43135WW</b>	723lm	969lm	3500K
<b>NOXAC-43140WW</b>	714lm	1025lm	4000K
<b>NOXAC-43150WW</b>	733lm	1018lm	5000K

*Delivered lumens will vary depending on trim type*

### PRODUCT IMAGES AND DIMENSIONS



**NOXAC-431**  
Round Reflector



**NOXAC-431 / NOX-4REFLB**  
Black Reflector Insert



**NOXAC-431 / NOX-4REFLD**  
Diffused Clear Reflector Insert



**NOXAC-431 / NOX-4REFLHZ**  
Haze Reflector Insert



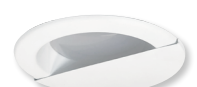
**NOXAC-431 / NOX-4BAFB**  
Black Baffle Insert



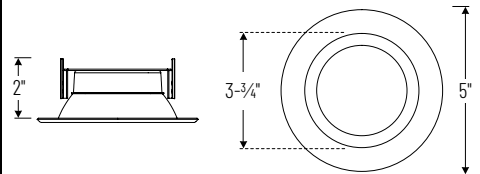
**NOXAC-431 / NOX-4BAFW**  
White Baffle Insert



**NOXAC-431 / NOX-4OR-W**  
White Oversize Ring



**NOXAC-431 / NOX-4EYELIDW**  
White Eyelid



## 4" AC Onyx LED Retrofit Reflector

Lumens / Wattage / Color Temperature / Finish

- NOXAC-43127WW** = 664lm / 10.5W / 2700K, White
- NOXAC-43135WW** = 723lm / 10.5W / 3500K, White
- NOXAC-43140WW** = 714lm / 10.5W / 4000K, White
- NOXAC-43150WW** = 733lm / 10.5W / 5000K, White

- NOXAC-43127WW/HL** = 971lm / 15W / 2700K, White
- NOXAC-43130WW/HL** = 952lm / 15W / 3000K, White
- NOXAC-43135WW/HL** = 969lm / 15W / 3500K, White
- NOXAC-43140WW/HL** = 1025lm / 15W / 4000K, White
- NOXAC-43150WW/HL** = 1018lm / 15W / 5000K, White

## Optional Accessories

Description

- NOX-4REFLB** = 4" Black Reflector Insert for NOXAC-431
- NOX-4REFLD** = 4" Diffused Clear Reflector Insert for NOXAC-431
- NOX-4REFLHZ** = 4" Haze Reflector Insert for NOXAC-431
- NOX-4BAFB** = 4" Black Baffle Insert for NOXAC-431
- NOX-4BAFW** = 4" White Baffle Insert for NOXAC-431
- NOX-4EYELIDW** = 4" Round White Eyelid
- NOX-4OR-W** = 4" Round White Oversize Ring
- NRA-21ISM** = Medium base screw-in socket (included w/ each)
- NRA-212SM** = Socket adapter for use with GU24 housings

Example: **NOXAC-43130WW/HL** = 4" AC Onyx LED Round Retrofit Reflector, 3000K, White Reflector / White Flange, 952lm / 15W

# NOXAC-431

## 4" AC Onyx LED Retrofit Reflector Accessories

Type	_____
Project	_____
Catalog No.	_____
Notes	_____



Onyx Reflector Insert

**NOX-4REFLB** Black  
**NOX-4REFLD** Diffused Clear  
**NOX-4REFLHZ** Haze  
Round reflector insert is field changeable used to convert the reflector finish for NOXAC-431.



Onyx Baffle Insert

**NOX-4BAFB** Black  
**NOX-4BAFW** White  
Round baffle insert is field changeable used to convert reflector (NOXAC-431) to baffle.



Onyx Eyelid

**NOX-4EYELIDW** White  
Round eyelid clips on reflector or baffle to convert into half moon wall wash



Onyx Oversize Ring

**NOX-4OR-W** White  
Round oversize ring covers large ceiling cut-outs up to 5-7/8"



Medium Base Screw-In Socket

**NRA-21ISM**  
Medium base screw-in socket adapter for retrofitting into existing medium base housings. One is included with each luminaire.



Socket Adapter for GU24 Housings

**NRA-212SM**  
GU24 socket adapter for retrofitting into existing GU24 housings.

# PHOTOMETRICS

## 4" AC Onyx Retrofit Reflector

Type

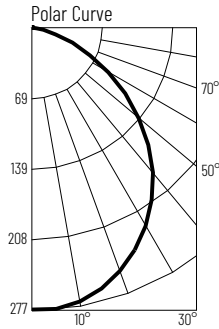
Project

Catalog No.

Notes

### Test Information

Test Number: NTR1179R1  
 Part Number: NOXAC-43127WW  
 Beam Spread: 99° Wide Flood  
 Lumens: 664lm  
 Wattage: 10.74W  
 Efficacy: 62lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.22  
 Spacing Criteria (90°-270°): 1.22



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	17.3fc	9'-5"
6'	7.7fc	14'-1"
8'	4.3fc	18'-11"
10'	2.8fc	23'-7"
12'	1.9fc	28'-4"

### Zonal Lumen Summary

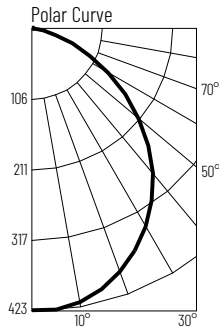
Zone	Lumens	% Luminaire
0-30	210	31.7
0-40	338	51
0-60	563	84.8
0-90	660	99.4
90-180°	4	0.6
0-180°	664	100

### Candela Table

Vertical Angles	Candela
0	277
5	274
15	263
25	239
35	205
45	162

### Test Information

Test Number: NTR1777R1  
 Part Number: NOXAC-43135WW/HL  
 Beam Spread: 96° Wide Flood  
 Lumens: 969lm  
 Wattage: 13.89W  
 Efficacy: 70lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.2  
 Spacing Criteria (90°-270°): 1.18



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.4fc	8'-11"
6'	11.7fc	13'-5"
8'	6.6fc	17'-11"
10'	4.2fc	22'-4"
12'	2.9fc	26'-10"

### Zonal Lumen Summary

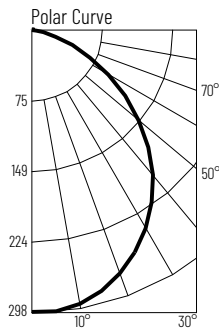
Zone	Lumens	% Luminaire
0-30	318	32.8
0-40	507	52.3
0-60	832	85.9
0-90	968	99.9
90-180°	1	0.1
0-180°	969	100

### Candela Table

Vertical Angles	Candela
0	423
5	421
15	402
25	363
35	306
45	236

### Test Information

Test Number: NTR1182R1  
 Part Number: NOXAC-43140WW  
 Beam Spread: 99° Wide Flood  
 Lumens: 714lm  
 Wattage: 10.93W  
 Efficacy: 65lpw  
 CCT / CRI: 4000K / 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'	18.6fc	9'-2"
6'	8.3fc	13'-10"
8'	4.7fc	18'-6"
10'	3fc	23'-1"
12'	2.1fc	27'-8"

### Zonal Lumen Summary

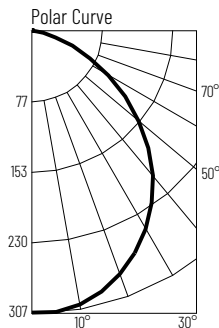
Zone	Lumens	% Luminaire
0-30	226	31.7
0-40	364	50.9
0-60	605	84.7
0-90	710	99.5
90-180°	4	0.5
0-180°	714	100

### Candela Table

Vertical Angles	Candela
0	298
5	296
15	283
25	255
35	218
45	171

### Test Information

Test Number: NTR1183R1  
 Part Number: NOXAC-43150WW  
 Beam Spread: 99° Wide Flood  
 Lumens: 733lm  
 Wattage: 10.95W  
 Efficacy: 67lpw  
 CCT / CRI: 5000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.22  
 Spacing Criteria (90°-270°): 1.22



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	19.2fc	9'-5"
6'	8.5fc	14'-1"
8'	4.8fc	18'-10"
10'	3.1fc	23'-6"
12'	2.1fc	28'-2"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	233	31.7
0-40	374	51
0-60	622	84.8
0-90	729	99.4
90-180°	4	0.6
0-180°	733	100

### Candela Table

Vertical Angles	Candela
0	306
5	305
15	291
25	264
35	227
45	179

# PHOTOMETRICS

## 4" AC Onyx Retrofit Reflectors

Type

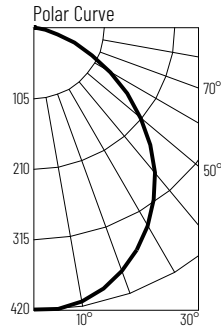
Project

Catalog No.

Notes

### Test Information

Test Number: NTR11775R1  
 Part Number: NOXAC-43127WW/HL  
 Beam Spread: 97° Wide Flood  
 Lumens: 971lm  
 Wattage: 14.11W  
 Efficacy: 69lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.2  
 Spacing Criteria (90°-270°): 1.18



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.2fc	9'-1"
6'	11.7fc	13'-8"
8'	6.6fc	18'-4"
10'	4.2fc	22'-10"
12'	2.9fc	27'-5"

### Zonal Lumen Summary

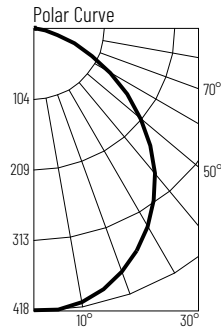
Zone	Lumens	% Luminaire
0-30	315	32.5
0-40	504	51.9
0-60	831	85.5
0-90	970	99.8
90-180	2	0.2
0-180	971	100

### Candela Table

Vertical Angles	Candela
0	420
5	417
15	398
25	360
35	305
45	237

### Test Information

Test Number: NTR11776R1  
 Part Number: NOXAC-43130WW/HL  
 Beam Spread: 96° Wide Flood  
 Lumens: 952lm  
 Wattage: 14.29W  
 Efficacy: 67lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.18  
 Spacing Criteria (90°-270°): 1.16



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.1fc	8'-10"
6'	11.6fc	13'-2"
8'	6.5fc	17'-7"
10'	4.2fc	22'
12'	2.9fc	26'-5"

### Zonal Lumen Summary

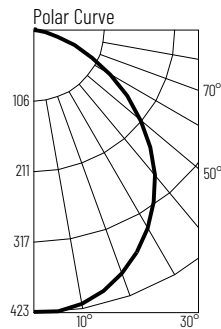
Zone	Lumens	% Luminaire
0-30	314	32.9
0-40	500	52.5
0-60	819	86
0-90	949	99.6
90-180	4	0.4
0-180	952	100

### Candela Table

Vertical Angles	Candela
0	417
5	414
15	392
25	353
35	295
45	226

### Test Information

Test Number: NTR11777R1  
 Part Number: NOXAC-43135WW/HL  
 Beam Spread: 96° Wide Flood  
 Lumens: 969lm  
 Wattage: 13.89W  
 Efficacy: 70lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.2  
 Spacing Criteria (90°-270°): 1.18



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.4fc	8'-11"
6'	11.7fc	13'-5"
8'	6.6fc	17'-11"
10'	4.2fc	22'-4"
12'	2.9fc	26'-10"

### Zonal Lumen Summary

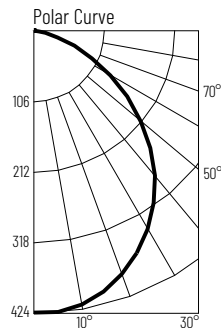
Zone	Lumens	% Luminaire
0-30	318	32.8
0-40	507	52.3
0-60	832	85.9
0-90	968	99.9
90-180	1	0.1
0-180	969	100

### Candela Table

Vertical Angles	Candela
0	423
5	421
15	402
25	363
35	306
45	236

### Test Information

Test Number: NTR11778R1  
 Part Number: NOXAC-43140WW/HL  
 Beam Spread: 100° Wide Flood  
 Lumens: 1025lm  
 Wattage: 13.92W  
 Efficacy: 74lpw  
 CCT / CRI: 4000K / 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'	26.5fc	9'-7"
6'	11.8fc	14'-4"
8'	6.6fc	19'-1"
10'	4.2fc	23'-11"
12'	2.9fc	28'-8"

### Zonal Lumen Summary

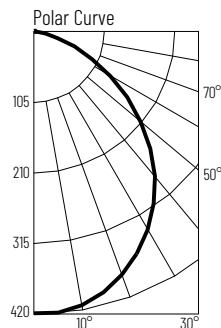
Zone	Lumens	% Luminaire
0-30	267	26
0-40	438	42.7
0-60	846	82.6
0-90	1023	99.8
90-180	2	0.2
0-180	1025	100

### Candela Table

Vertical Angles	Candela
0	424
5	422
15	403
25	368
35	317
45	251

### Test Information

Test Number: NTR11779R1  
 Part Number: NOXAC-43150WW/HL  
 Beam Spread: 100° Wide Flood  
 Lumens: 1018lm  
 Wattage: 13.9W  
 Efficacy: 73lpw  
 CCT / CRI: 5000K / 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'	26.2fc	9'-8"
6'	11.7fc	14'-6"
8'	6.6fc	19'-4"
10'	4.2fc	24'-1"
12'	2.9fc	29'

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	319	31.4
0-40	514	50.5
0-60	862	84.7
0-90	1016	99.8
90-180	2	0.2
0-180	1018	100

### Candela Table

Vertical Angles	Candela
0	419
5	417
15	401
25	364
35	313
45	250