

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
- ENERGY STAR certified

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 |
|--------------------------|-------------------------------|-----------|
| Input Voltage | 120VAC | |
| Frequency | 60Hz | |
| Input Power | 10.5W | 15W |
| Color Temperature | 2700K, 3500K, 4000K, 5000K | 3000K |
| Dimming | Triac / ELV | |
| Operating Temp. | 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

- [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
- [NHRIC-4G24AT](#) IC Air-Tight GU24

* 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
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Meets ASTM-E283 Air-Tight requirements
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JAB-2019



Type

Project

Catalog No.

Notes

Performance Data

| Part Number | (blank) Lumens | /HL Lumens | CCT |
|----------------------|----------------|------------|-------|
| NOXAC-43127WW | 664lm | - | 2700K |
| NOXAC-43130WW | - | 952lm | 3000K |
| NOXAC-43135WW | 723lm | - | 3500K |
| NOXAC-43140WW | 714lm | - | 4000K |
| NOXAC-43150WW | 733lm | - | 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



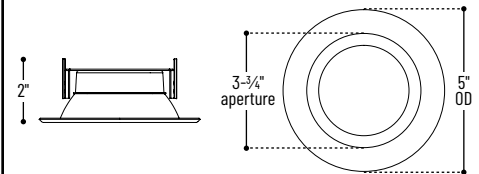
NOXAC-431 / NOX-4BAFW
White Baffle Insert



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-43130WW/HL** = 952lm / 15W / 3000K, White
- NOXAC-43135WW** = 723lm / 10.5W / 3500K, White
- NOXAC-43140WW** = 714lm / 10.5W / 4000K, White
- NOXAC-43150WW** = 733lm / 10.5W / 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

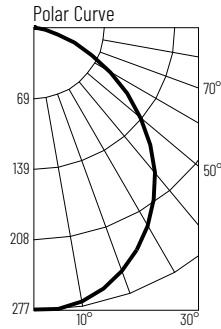
Project

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

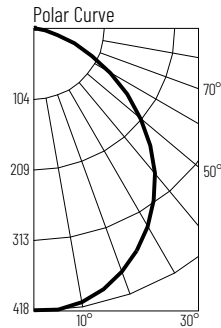
| Zone | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30 | 210 | 31.7 |
| 0-40 | 338 | 51 |
| 0-60 | 563 | 84.8 |
| 0-90 | 660 | 99.4 |
| 90-180° | 4 | 0.6 |
| 0-180° | 664 | 100 |

Candela Table

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

Test Information

Test Number: 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

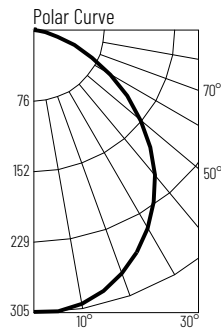
| Zone | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30 | 314 | 32.9 |
| 0-40 | 500 | 52.5 |
| 0-60 | 819 | 86 |
| 0-90 | 949 | 99.6 |
| 90-180° | 4 | 0.4 |
| 0-180° | 952 | 100 |

Candela Table

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

Test Information

Test Number: NTR1181R1
 Part Number: NOXAC-43135WW
 Beam Spread: 99° Wide Flood
 Lumens: 723lm
 Wattage: 10.92W
 Efficacy: 66lpw
 CCT / CRI: 3500K / 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' | 19fc | 9'-1" |
| 6' | 8.4fc | 13'-8" |
| 8' | 4.7fc | 18'-4" |
| 10' | 3fc | 22'-11" |
| 12' | 2.1fc | 27'-5" |

Zonal Lumen Summary

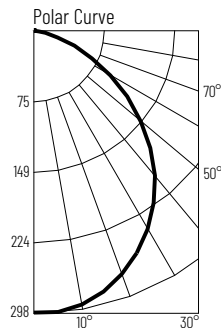
| Zone | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30 | 230 | 31.8 |
| 0-40 | 369 | 51.1 |
| 0-60 | 613 | 84.8 |
| 0-90 | 719 | 99.4 |
| 90-180° | 4 | 0.6 |
| 0-180° | 723 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 304 |
| 5 | 301 |
| 15 | 288 |
| 25 | 260 |
| 35 | 221 |
| 45 | 173 |

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

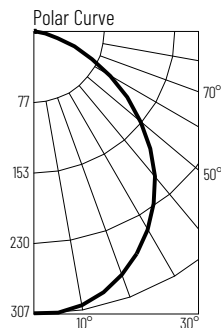
| Zone | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30 | 226 | 31.7 |
| 0-40 | 364 | 50.9 |
| 0-60 | 605 | 84.7 |
| 0-90 | 710 | 99.5 |
| 90-180° | 4 | 0.5 |
| 0-180° | 714 | 100 |

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 |