

## NOXAC-4

### 4" AC Onyx LED Retrofit Reflectors

Source: 10.5W LED  
650lm

#### PRODUCT DESCRIPTION

AC Onyx 4" 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

- 650lm / 10.5W LED light engine
- 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
- cULus 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:** 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:** 650lm / 10.5W

**Color Temperature:** 2700K, 3000K, 3500K, 4000K or 5000K

**CRI:** 90+ CRI

**Operating Temp.:** 0°C to 35°C ambient temperature

**Dimming:** Triac or ELV

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

\* Nora LED Dedicated housings are cULus 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

- cULus 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 JA8-2019



Type

Project

Catalog No.

Notes

#### PRODUCT IMAGES AND DIMENSIONS



#### 4" AC Onyx LED Retrofit Reflectors

| Reflector Type                     | Color Temperature / CRI    | Finish                           |
|------------------------------------|----------------------------|----------------------------------|
| <b>NOXAC-431</b> = Round Reflector | <b>27</b> = 2700K / 90 CRI | <b>WW</b> = White / White Flange |
| <b>NOXAC-432</b> = Round Baffle    | <b>30</b> = 3000K / 90 CRI |                                  |
|                                    | <b>35</b> = 3500K / 90 CRI |                                  |
|                                    | <b>40</b> = 4000K / 90 CRI |                                  |
|                                    | <b>50</b> = 5000K / 90 CRI |                                  |

#### Optional Accessories

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

Example: **NOXAC-43130WW** = 4" AC Onyx LED Round Retrofit Reflector, 3000K / 90 CRI, White Reflector / White Flange

**NOXAC-4 Series**  
4" AC Onyx 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 Reflectors

### Type

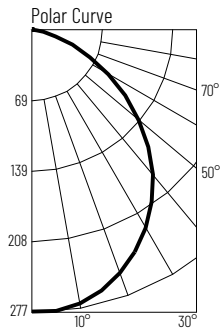
### Project

### 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

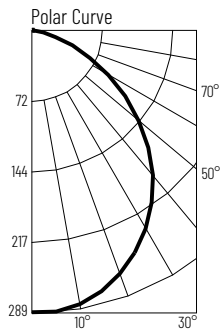
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 210    | 31.7        |
| 0-40   | 338    | 51          |
| 0-60   | 563    | 84.8        |
| 0-90   | 660    | 99.4        |
| 90-180 | 4      | 0.6         |
| 0-180  | 664    | 100         |

#### Candela Table

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

#### Test Information

Test Number: NTR1180R1  
Part Number: NOXAC-43130WW  
Beam Spread: 99° Wide Flood  
Lumens: 688lm  
Wattage: 10.77W  
Efficacy: 64lpw  
CCT / CRI: 3000K / 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'                      | 18fc        | 9'-4"         |
| 6'                      | 8fc         | 14'           |
| 8'                      | 4.5fc       | 18'-7"        |
| 10'                     | 2.9fc       | 23'-4"        |
| 12'                     | 2fc         | 27'-11"       |

#### Zonal Lumen Summary

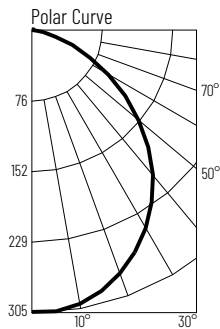
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 219    | 31.8        |
| 0-40   | 351    | 51.1        |
| 0-60   | 584    | 84.9        |
| 0-90   | 684    | 99.5        |
| 90-180 | 4      | 0.5         |
| 0-180  | 688    | 100         |

#### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 288     |
| 5               | 285     |
| 15              | 274     |
| 25              | 248     |
| 35              | 212     |
| 45              | 167     |

#### 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

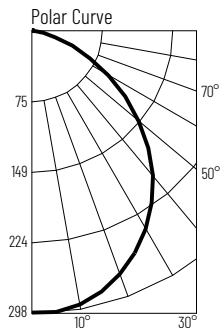
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 230    | 31.8        |
| 0-40   | 369    | 51.1        |
| 0-60   | 613    | 84.8        |
| 0-90   | 719    | 99.4        |
| 90-180 | 4      | 0.6         |
| 0-180  | 723    | 100         |

#### 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

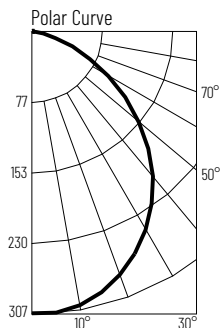
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 226    | 31.7        |
| 0-40   | 364    | 50.9        |
| 0-60   | 605    | 84.7        |
| 0-90   | 710    | 99.5        |
| 90-180 | 4      | 0.5         |
| 0-180  | 714    | 100         |

#### 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     |