

**NOX-4 Series**  
**4" Onyx Retrofit Reflectors**

Source: 10.5W or 14.5W LED  
 650lm or 900lm

**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**

**Trim:** 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-211SM) 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-4LMRAT** IC Air-Tight Dedicated LED Firebox

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

**New Construction**

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

**NHICCP-4LMRAT\*** Chicago Plenum Dedicated LED

(Note: NHICCP-4LMRAT is not compatible with NOX-434 or 900lm luminaires)

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

**NHIC-427LMRAT\*** Shallow IC Air-Tight Dedicated LED (NHIC-427 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-427 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-4OR-W:** Round oversize ring used to cover ceiling cut-outs up to 5-7/8".

**LABELS AND LISTINGS**

- cULus classified for Wet Locations (NOX-434 is rated for damp location)
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Meets ASTM-E283 Air-Tight requirements
- Can be used to comply with 2016 Title 24 – part 6 High Efficacy LED light source requirements



**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-4OR-W</b> = 4" Round Oversize Ring, White                |
| <b>NRA-211SM</b> = Medium base screw-in socket (included w/ ea) |
| <b>NRA-212SM</b> = Socket adapter for use with GU24 housings    |

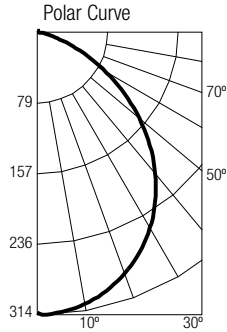
Example: **NOX-43150WW** = 4" Onyx Reflector, 650lm / 10.5W LED, 5000K, White Reflector / White Finish

**PHOTOMETRICS**

**4" Onyx Retrofit Reflectors**

**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**

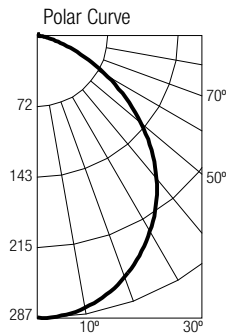
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 237    | 33.1        |
| 0-40   | 379    | 53          |
| 0-60   | 620    | 86.6        |
| 0-90   | 710    | 99.3        |
| 90-180 | 5      | 0.7         |
| 0-180  | 716    | 100         |

**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**

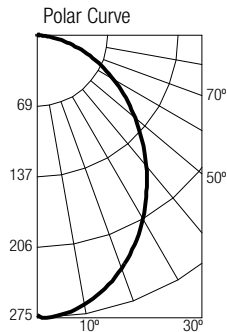
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 217    | 32.5        |
| 0-40   | 350    | 52.3        |
| 0-60   | 579    | 86.5        |
| 0-90   | 664    | 99.3        |
| 90-180 | 5      | 0.7         |
| 0-180  | 669    | 100         |

**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**

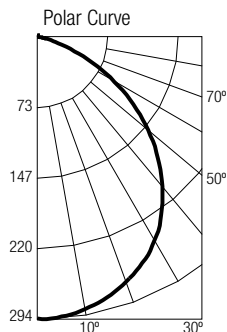
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 199    | 31.2        |
| 0-40   | 314    | 49.2        |
| 0-60   | 518    | 81          |
| 0-90   | 634    | 99.2        |
| 90-180 | 5      | 0.8         |
| 0-180  | 639    | 100         |

**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): 1.26



**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     |