

# NOXAC-431TW

## 4" AC Onyx LED Retrofit Reflector with Selectable CCT

Source: 11.5W  
900lm

Type

Project

Catalog No.

Notes

### 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

- Over 900 delivered lumens
- Five color temperatures in each fixture (2700K / 3000K / 3500K / 4000K / 5000K)
- 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-211SM](#)) for retrofitting into medium base downlight housings. Intended to be used as a LED lamp replacement. GU24 socket adapter ([NRA-212SM](#)) is available.

### ELECTRICAL

**Voltage:** 120VAC

**Lumens / Wattage:** 900lm / 11.5W

**Color Temperature:** Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K (*Note: Preset to 3000K*)

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** 0°C to 35°C ambient temperature

**Lifetime:** 50,000 hours @ L70

**Dimming:** Triac/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 retrofits are compatible with most 4" IC and Non-IC housings by Nora and others.

#### Fire Box

- [NFJB-R4\\*](#) ICAT Junction 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

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

### ACCESSORIES

- [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

- 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 JA8-2022



Performance Data		
Part Number	Lumens	CCT
<b>NOXAC-431TWWW</b>	816lm	2700K
<b>NOXAC-431TWWW</b>	857lm	3000K
<b>NOXAC-431TWWW</b>	914lm	3500K
<b>NOXAC-431TWWW</b>	919lm	4000K
<b>NOXAC-431TWWW</b>	915lm	5000K

### PRODUCT IMAGES AND DIMENSIONS



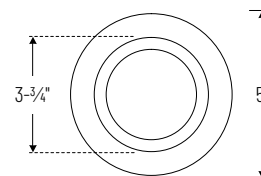
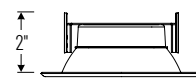
**NOXAC-431TWWW**  
White Finish



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



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



## 4" AC Onyx LED Retrofit Reflector with Selectable CCT

Finish

**NOXAC-431TWWW** = White Finish

## Optional Accessories

Description

- NOX-4EYELIDW** = 4" Round White Eyelid
- NOX-4OR-W** = 4" Round White Oversize Ring
- NRA-211SM** = Medium base screw-in socket (included w/ each)
- NRA-212SM** = Socket adapter for use with GU24 housings

Example: **NOXAC-431TWWW** = 4" AC Onyx LED Round Retrofit Reflector with Selectable CCT, White Reflector / White Flange

# PHOTOMETRICS

## 4" AC Onyx LED Retrofit Reflector with Selectable CCT

Type

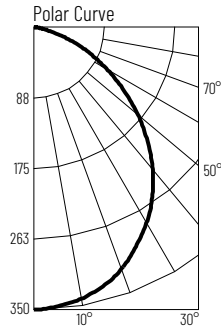
Project

Catalog No.

Notes

### Test Information

Test Number: NTR2211R2  
 Part Number: NOXAC-431TWWW  
 Beam Spread: 97° Flood  
 Lumens: 816lm  
 Wattage: 10.78W  
 Efficacy: 76lpw  
 CCT / CRI: 2700K / 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'	21.9fc	9'-1"
6'	9.7fc	13'-7"
8'	5.5fc	18'-1"
10'	3.5fc	22'-8"
12'	2.4fc	27'-2"

### Zonal Lumen Summary

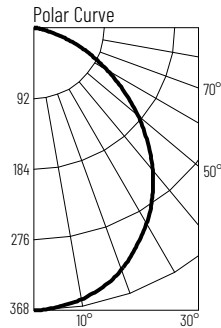
Zone	Lumens	% Luminaire
0-30	265	32.4
0-40	434	52
0-60	700	85.8
0-90	816	100
90-180	0	0
0-180	816	100

### Candela Table

Vertical Angles	Candela
0	350
5	349
15	335
25	304
35	258
45	198

### Test Information

Test Number: NTR2212R2  
 Part Number: NOXAC-431TWWW  
 Beam Spread: 97° Flood  
 Lumens: 857lm  
 Wattage: 10.86W  
 Efficacy: 79lpw  
 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'	23fc	9'-1"
6'	10.2fc	13'-7"
8'	5.7fc	18'-1"
10'	3.7fc	22'-8"
12'	2.6fc	27'-2"

### Zonal Lumen Summary

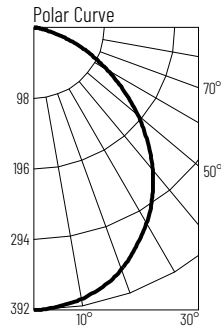
Zone	Lumens	% Luminaire
0-30	278	32.4
0-40	446	52
0-60	735	85.8
0-90	857	100
90-180	0	0
0-180	857	100

### Candela Table

Vertical Angles	Candela
0	367
5	366
15	351
25	319
35	271
45	208

### Test Information

Test Number: NTR2213R2  
 Part Number: NOXAC-431TWWW  
 Beam Spread: 97° Flood  
 Lumens: 914lm  
 Wattage: 10.99W  
 Efficacy: 83lpw  
 CCT / CRI: 3500K / 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'	24.5fc	9'-1"
6'	10.9fc	13'-7"
8'	6.1fc	18'-1"
10'	3.9fc	22'-8"
12'	2.7fc	27'-2"

### Zonal Lumen Summary

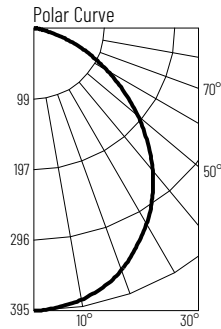
Zone	Lumens	% Luminaire
0-30	297	32.4
0-40	475	52
0-60	784	85.8
0-90	914	100
90-180	0	0
0-180	914	100

### Candela Table

Vertical Angles	Candela
0	392
5	291
15	375
25	340
35	289
45	222

### Test Information

Test Number: NTR2214R2  
 Part Number: NOXAC-431TWWW  
 Beam Spread: 97° Flood  
 Lumens: 919lm  
 Wattage: 10.95W  
 Efficacy: 84lpw  
 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'	24.6fc	9'-1"
6'	10.9fc	13'-7"
8'	6.2fc	18'-1"
10'	3.9fc	22'-8"
12'	2.7fc	27'-2"

### Zonal Lumen Summary

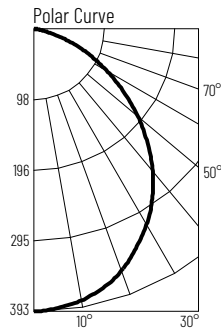
Zone	Lumens	% Luminaire
0-30	298	32.4
0-40	478	52
0-60	789	85.8
0-90	919	100
90-180	0	0
0-180	919	100

### Candela Table

Vertical Angles	Candela
0	394
5	393
15	377
25	342
35	291
45	223

### Test Information

Test Number: NTR2215R2  
 Part Number: NOXAC-431TWWW  
 Beam Spread: 97° Wide Flood  
 Lumens: 915lm  
 Wattage: 10.85W  
 Efficacy: 84lpw  
 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'	24.5fc	9'-1"
6'	10.9fc	13'-7"
8'	6.1fc	18'-1"
10'	3.9fc	22'-8"
12'	2.7fc	27'-2"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	297	32.4
0-40	476	52
0-60	785	85.8
0-90	915	100
90-180	0	0
0-180	915	100

### Candela Table

Vertical Angles	Candela
0	392
5	391
15	375
25	341
35	289
45	222