

NOXAC-431TW

4" AC Onyx LED Retrofit Reflector with Selectable CCT
Source: 11.5W
900lm

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](#) 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 5-3/4".

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



Type
Project
Catalog No.
Notes

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

PRODUCT IMAGES AND DIMENSIONS



4" AC Onyx LED Retrofit Reflector with Selectable CCT

Finish
NOXAC-431TWBB = Black 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

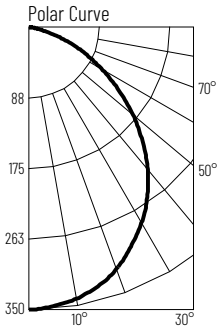
PHOTOMETRICS

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

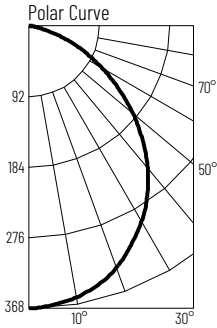
Zone	Lumens	% Luminaire
0-30	265	32.4
0-40	434	52
0-60	700	85.8
0-90	816	100
90-180	0	0
0-180	816	100

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

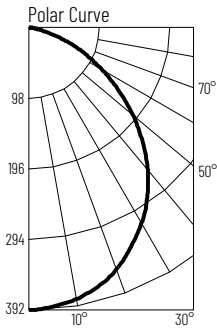
Zone	Lumens	% Luminaire
0-30	278	32.4
0-40	446	52
0-60	735	85.8
0-90	857	100
90-180	0	0
0-180	857	100

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

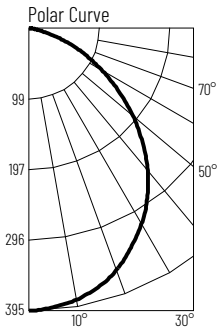
Zone	Lumens	% Luminaire
0-30	297	32.4
0-40	475	52
0-60	784	85.8
0-90	914	100
90-180	0	0
0-180	914	100

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

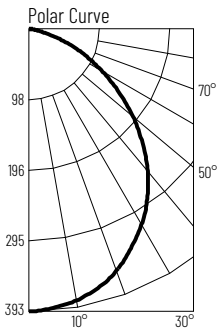
Zone	Lumens	% Luminaire
0-30	298	32.4
0-40	478	52
0-60	789	85.8
0-90	919	100
90-180	0	0
0-180	919	100

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