

NOXAC-4

4" AC Onyx LED Retrofit

Source: 10.5W or 15W

Up to 700lm or 1000lm

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

- 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-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	(blank)	/HL
Input Voltage	120VAC	
Frequency	60Hz	
Input Power	10.5W	15W
Color Temperature	2700K, 3000K, 3500K, 4000K, 5000K	
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



Performance Data

Part Number	(blank) Lumens	/HL Lumens	CCT
NOXAC-43127WW	664lm	971lm	2700K
NOXAC-43130WW	688lm	952lm	3000K
NOXAC-43135WW	723lm	969lm	3500K
NOXAC-43140WW	714lm	1025lm	4000K
NOXAC-43150WW	733lm	1018lm	5000K

Delivered lumens will vary depending on trim type

PRODUCT IMAGES AND DIMENSIONS



4" AC Onyx LED Retrofit

Trim Type	Color Temperature	Finish	Lumens / Wattage
NOXAC-431 = Round Reflector	27 = 2700K	WW = White / White Flange	(blank) = 700lm / 10.5W
NOXAC-432 = Round Baffle	30 = 3000K		/HL = 1000lm / 15W
	35 = 3500K		
	40 = 4000K		
	50 = 5000K		

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-211SM = Medium base screw-in socket (included w/ each)
NRA-212SM = Socket adapter for use with GU24 housings

Example: **NOXAC-43140WW/HL** = 4" AC Onyx LED Round Retrofit Reflector, 4000K, White Reflector / White Flange, 1023lm / 15W

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

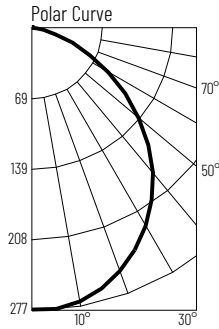
Project

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

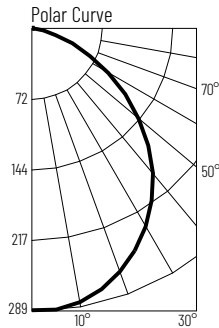
Zone	Lumens	% Luminaire
0-30	210	31.7
0-40	338	51
0-60	563	84.8
0-90	660	99.4
90-180°	4	0.6
0-180°	664	100

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

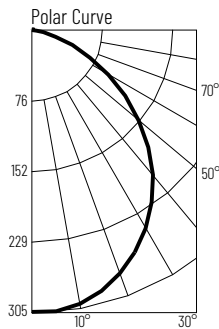
Zone	Lumens	% Luminaire
0-30	219	31.8
0-40	351	51.1
0-60	584	84.9
0-90	684	99.5
90-180°	4	0.5
0-180°	688	100

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

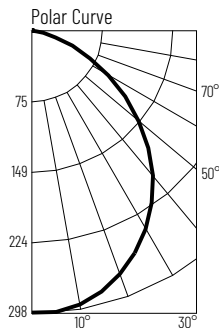
Zone	Lumens	% Luminaire
0-30	230	31.8
0-40	369	51.1
0-60	613	84.8
0-90	719	99.4
90-180°	4	0.6
0-180°	723	100

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

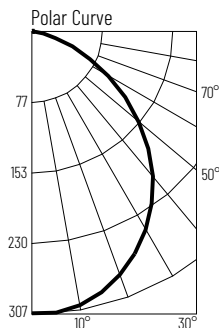
Zone	Lumens	% Luminaire
0-30	226	31.7
0-40	364	50.9
0-60	605	84.7
0-90	710	99.5
90-180°	4	0.5
0-180°	714	100

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

PHOTOMETRICS

4" AC Onyx Retrofit Reflectors

Type

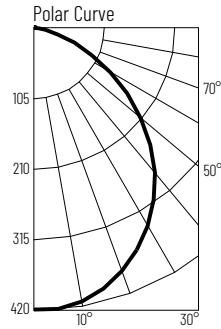
Project

Catalog No.

Notes

Test Information

Test Number: NTR11775R1
 Part Number: NOXAC-43127WW/HL
 Beam Spread: 97° Wide Flood
 Lumens: 971lm
 Wattage: 14.11W
 Efficacy: 69lpw
 CCT / CRI: 2700K / 90 CRI
 Spacing Criteria (0°-180°): 1.2
 Spacing Criteria (90°-270°): 1.18



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.2fc	9'-1"
6'	11.7fc	13'-8"
8'	6.6fc	18'-4"
10'	4.2fc	22'-10"
12'	2.9fc	27'-5"

Zonal Lumen Summary

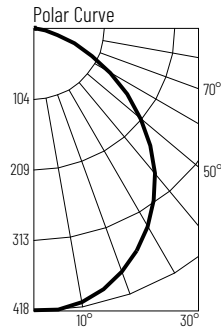
Zone	Lumens	% Luminaire
0-30	315	32.5
0-40	504	51.9
0-60	831	85.5
0-90	970	99.8
90-180	2	0.2
0-180	971	100

Candela Table

Vertical Angles	Candela
0	420
5	417
15	398
25	360
35	305
45	237

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

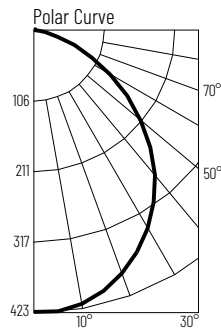
Zone	Lumens	% Luminaire
0-30	314	32.9
0-40	500	52.5
0-60	819	86
0-90	949	99.6
90-180	4	0.4
0-180	952	100

Candela Table

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

Test Information

Test Number: NTR11777R1
 Part Number: NOXAC-43135WW/HL
 Beam Spread: 96° Wide Flood
 Lumens: 969lm
 Wattage: 13.89W
 Efficacy: 70lpw
 CCT / CRI: 3500K / 90 CRI
 Spacing Criteria (0°-180°): 1.2
 Spacing Criteria (90°-270°): 1.18



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.4fc	8'-11"
6'	11.7fc	13'-5"
8'	6.6fc	17'-11"
10'	4.2fc	22'-4"
12'	2.9fc	26'-10"

Zonal Lumen Summary

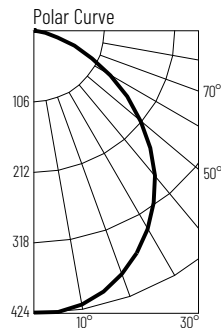
Zone	Lumens	% Luminaire
0-30	318	32.8
0-40	507	52.3
0-60	832	85.9
0-90	968	99.9
90-180	1	0.1
0-180	969	100

Candela Table

Vertical Angles	Candela
0	423
5	421
15	402
25	363
35	306
45	236

Test Information

Test Number: NTR11778R1
 Part Number: NOXAC-43140WW/HL
 Beam Spread: 100° Wide Flood
 Lumens: 1025lm
 Wattage: 13.92W
 Efficacy: 74lpw
 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'	26.5fc	9'-7"
6'	11.8fc	14'-4"
8'	6.6fc	19'-1"
10'	4.2fc	23'-11"
12'	2.9fc	28'-8"

Zonal Lumen Summary

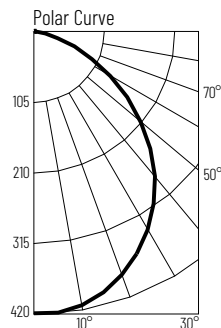
Zone	Lumens	% Luminaire
0-30	267	26
0-40	438	42.7
0-60	846	82.6
0-90	1023	99.8
90-180	2	0.2
0-180	1025	100

Candela Table

Vertical Angles	Candela
0	424
5	422
15	403
25	368
35	317
45	251

Test Information

Test Number: NTR11779R1
 Part Number: NOXAC-43150WW/HL
 Beam Spread: 100° Wide Flood
 Lumens: 1018lm
 Wattage: 13.9W
 Efficacy: 73lpw
 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'	26.2fc	9'-8"
6'	11.7fc	14'-6"
8'	6.6fc	19'-4"
10'	4.2fc	24'-1"
12'	2.9fc	29'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	319	31.4
0-40	514	50.5
0-60	862	84.7
0-90	1016	99.8
90-180	2	0.2
0-180	1018	100

Candela Table

Vertical Angles	Candela
0	419
5	417
15	401
25	364
35	313
45	250