

NOX-4

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-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:

(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 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* IC Air-Tight Dedicated LED Firebox (NFBIC-427LMRATA is not compatible with NOX-434)

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

NHIC-427LMRAT* Shallow IC Air-Tight Dedicated LED (NHIC-427LMRAT 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-427LMRAT 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-40R-W: Round oversize ring used to cover ceiling cut-outs up to 5-7/8".

LABELS AND LISTINGS

- cULus classified for Wet Location (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



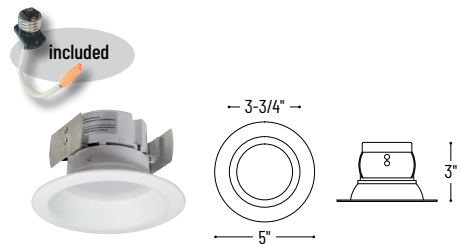
Type

Project

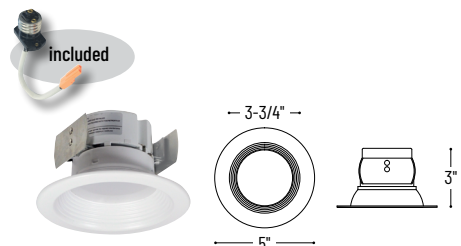
Catalog No.

Notes

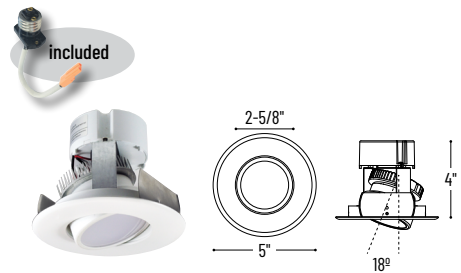
PRODUCT IMAGES AND DIMENSIONS



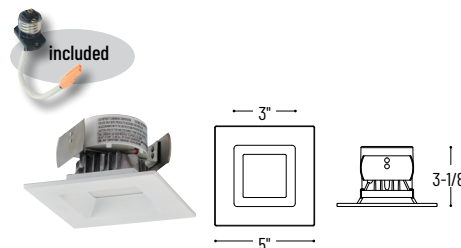
NOX-431
Round Reflector



NOX-432
Round Baffle



NOX-434
Round Adjustable (18° adjustability)



NOX-436
Square Reflector

4" Onyx Reflectors

Reflector Type	Color Temp.	Finish	Lumens / Wattage
NOX-431 = Round Reflector	27 = 2700K	WW = White / White Flange	(blank) = 650lm / 10.5W
NOX-432 = Round Baffle	30 = 3000K		/9 = 900lm / 14.5W
NOX-434 = Round Adjustable ²	35 = 3500K ¹		
NOX-436 = Square Reflector	40 = 4000K		
	50 = 5000K ¹		

¹Compatible with Round Reflector & Baffle only ²NOX-434 available in 650lm only

Optional Accessories

Description
NOX-4EYELIDW = 4" Round Eyelid, White
NOX-40R-W = 4" Round Oversize Ring, White
NRA-21ISM = Medium base screw-in socket (included w/ ea)
NRA-212SM = 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

Type

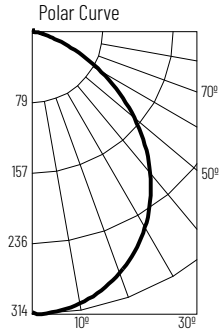
Project

Catalog No.

Notes

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

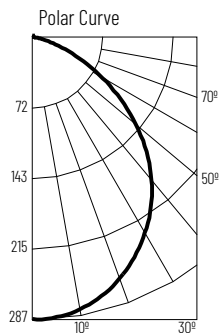
Zone	Lumens	% Luminaire
0-30	237	33.1
0-40	379	53
0-60	620	86.6
0-90	710	99.3
90-180	5	0.7
0-180	716	100

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

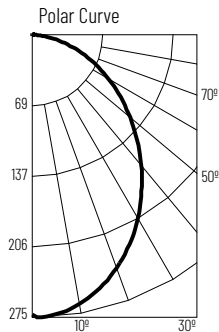
Zone	Lumens	% Luminaire
0-30	217	32.5
0-40	350	52.3
0-60	579	86.5
0-90	664	99.3
90-180	5	0.7
0-180	669	100

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

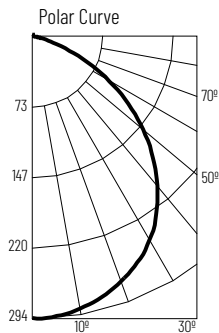
Zone	Lumens	% Luminaire
0-30	199	31.2
0-40	314	49.2
0-60	518	81
0-90	634	99.2
90-180	5	0.8
0-180	639	100

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): 1.2



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

Lumen Output Multipliers

Lumen Package: 650lm (1.00), 900lm (1.67)