

# NOXAC-56 Series

5"/6" AC Onyx LED Retrofit

Source: 12.5W or 15.5W

Up to 850lm or 1150lm

## PRODUCT DESCRIPTION

5"/6" 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 5" and 6" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

## FEATURES

- Up to 850 or 1150 delivered lumens
- 2700K, 3000K, 3500K, 4000K or 5000K @ 90+ CRI
- Dimmable AC LED
- Includes medium base socket adaptor for easy retrofitting in 5" or 6" recessed housings
- 5-year limited warranty
- ENERGY STAR certified
- Classified for wet locations

## SPECIFICATION

**Reflector:** One piece, spun aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

**Housings:** Compatible with most 5" and 6" IC and non-IC housings by Nora and others.

**Mounting:** Two steel, torsion mounting springs allow for easy and secure mounting in most 5" and 6" housings.

**Retrofit:** Luminaires include a medium base screw-socket adaptor ([NRA-211SM](#)) for retrofitting into medium base downlight housings. Intended to be used as a LED lamp replacement. GU24 socket adaptor ([NRA-212SM](#)) is available.

ELECTRICAL	(blank)	/HL
<b>Input Voltage</b>	120VAC	
<b>Frequency</b>	60Hz	
<b>Input Power</b>	12.5W	15.5W
<b>Color Temperature</b>	2700K, 3000K, 3500K, 4000K, 5000K	
<b>Dimming</b>	Triac / ELV	
<b>Operating Temp.</b>	35°C max.	35°C max.

## COMPATIBLE HOUSINGS

Onyx retrofits are compatible with most 5" & 6" IC and Non-IC housings by Nora and others.

### Fire Box

- [NFBC-51NCATA](#) 5" ICAT Fire Box
- [NFBC-5LMRATA\\*](#) 5" ICAT Dedicated LED Fire Box
- [NFBC-61NCATA](#) 6" ICAT Fire Box
- [NFBC-6LMRATA\\*](#) 6" ICAT Dedicated LED Fire Box

### New Construction

- [NHIC-5LMRAT\\*](#) 5" ICAT Dedicated LED
- [NHIC-5LMRAT/277\\*1](#) 5" ICAT Dedicated LED, 277V
- [NHIC-527LMRAT\\*](#) 5" ICAT Shallow Dedicated LED
- [NHIC-5010AT](#) 5" ICAT Line Voltage
- [NHIC-5270AT](#) 5" ICAT Shallow Line Voltage
- [NH-501Q](#) 5" Line Voltage
- [NHIC-5G24ATFL](#) 5" ICAT GU24
- [NHIC-6LMRAT\\*](#) 6" ICAT Dedicated LED
- [NHIC-6LMRAT/277\\*1](#) 6" ICAT Dedicated LED, 277V
- [NHICCP-6LMRAT\\*](#) 6" Chicago Plenum Dedicated LED
- [NHIC-27LMRAT\\*](#) 6" ICAT Shallow Dedicated LED
- [NHIC-170AT](#) 6" ICAT Line Voltage
- [NHIC-170NBAT](#) 6" ICAT Line Voltage (No Bracket)
- [NHIC-270AT](#) 6" ICAT Shallow Line Voltage
- [NH-26Q](#) 6" Line Voltage
- [NHIC-6G24ATFL](#) 6" ICAT GU24

### Remodel

- [NHRIC-5LMRAT\\*](#) 5" ICAT Dedicated LED
- [NHRIC-527LMRAT\\*](#) 5" ICAT Shallow Dedicated LED
- [NHRIC-5040AT](#) 5" ICAT Line Voltage
- [NHRIC-5270AT](#) 5" ICAT Shallow Line Voltage
- [NHR-504Q](#) 5" Line Voltage
- [NHRIC-6LMRAT\\*](#) 6" ICAT Dedicated LED
- [NHRIC-27LMRAT\\*](#) 6" ICAT Shallow Dedicated LED
- [NHRIC-170AT](#) 6" ICAT Line Voltage
- [NHRIC-170NBAT](#) 6" ICAT Line Voltage (No Bracket)
- [NHRIC-270AT](#) 6" ICAT Shallow Line Voltage
- [NHR-26Q](#) 6" Line Voltage

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

<sup>1</sup> Housings include a step down transformer

## LABELS AND LISTINGS

- 850lm luminaires are cULus classified for Wet Locations
- 1150lm 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 JA8-2019



Type

Project

Catalog No.

Notes

## Performance Data

Part Number	(blank) Lumens	/HL Lumens	CCT
<b>NOXAC-563127WW</b>	817lm	1144lm	2700K
<b>NOXAC-563130WW</b>	850lm	1111lm	3000K
<b>NOXAC-563135WW</b>	824lm	1071lm	3500K
<b>NOXAC-563140WW</b>	869lm	1162lm	4000K
<b>NOXAC-563150WW</b>	862lm	1146lm	5000K

*Delivered lumens will vary depending on trim type*

## PRODUCT IMAGES AND DIMENSIONS



## 5"/6" AC Onyx LED Retrofit

Trim Type	Color Temperature	Finish	Lumens / Wattage
<b>NOXAC-5631</b> = Round Reflector	<b>27</b> = 2700K	<b>WW</b> = White / White Flange	(blank) = 850lm / 12.5W
<b>NOXAC-5632</b> = Round Baffle	<b>30</b> = 3000K		/HL = 1150lm / 15.5W
	<b>35</b> = 3500K		
	<b>40</b> = 4000K		
	<b>50</b> = 5000K		

## Optional Accessories

Description
<b>NOX-56REFLB</b> = 5"/6" Black Reflector Insert for NOXAC-5631
<b>NOX-56REFLD</b> = 5"/6" Clear Diffused Reflector Insert for NOXAC-5631
<b>NOX-56REFLHZ</b> = 5"/6" Haze Reflector Insert for NOXAC-5631
<b>NOX-56BAFB</b> = 5"/6" Black Baffle Insert for NOXAC-5631
<b>NOX-56BAFW</b> = 5"/6" White Baffle Insert for NOXAC-5631
<b>NOX-56EYELIDW</b> = 5"/6" Round White Eyelid
<b>NOX-56OR-W</b> = 5"/6" Round White Oversize Ring
<b>NOX-56BLADE</b> = 5"/6" Blade for housings without spring brackets
<b>NRA-211SM</b> = Medium base screw-in socket (included w/ each)
<b>NRA-212SM</b> = Socket adapter for use with GU24 housings

Example: **NOXAC-563140WW/HL** = 5"/6" AC Onyx, Round Reflector LED Retrofit, 3000K, White Reflector / White Flange, 1162lm / 15.5W

## NOXAC-56 Series

5" / 6" AC Onyx Retrofit Reflector Accessories

Type

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Notes



Onyx Reflector Insert

**NOX-56REFLB**

Black

**NOX-56REFLD**

Clear Diffused

**NOX-56REFLHZ**

Haze

Round reflector insert is field changeable used to convert the reflector finish for NOXAC-5631.



Onyx Baffle Insert

**NOX-56BAFB**

Black

**NOX-56BAFW**

White

Round baffle insert is field changeable used to convert reflector (NOXAC-5631) to baffle.



Onyx Eyelid

**NOX-56EYELIDW**

White

Round eyelid clips on reflector or baffle to convert into half moon wall wash



Onyx Oversize Ring

**NOX-56OR-W**

White

Round oversize ring covers large ceiling cut-outs up to 8-1/4"



Onyx Blade Replacement

**NOX-56BLADE**

Pair of Two

Replaces torsion springs with mounting blades for recessed housings without spring brackets.



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

## 5"/6" AC Onyx Retrofit Reflectors

Type

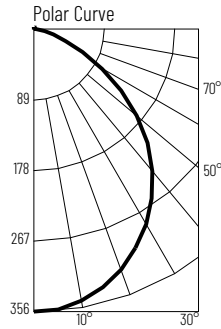
Project

Catalog No.

Notes

### Test Information

Test Number: NTR1184  
 Part Number: NOXAC-563127WW  
 Beam Spread: 97° Wide Flood  
 Lumens: 817lm  
 Wattage: 12.68W  
 Efficacy: 64lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.2  
 Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.3fc	9'-1"
6'	9.9fc	13'-8"
8'	5.6fc	18'-4"
10'	3.6fc	22'-10"
12'	2.5fc	27'-5"

### Zonal Lumen Summary

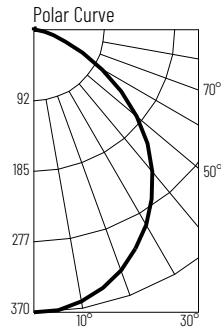
Zone	Lumens	% Luminaire
0-30	269	32.9
0-40	431	52.7
0-60	705	86.3
0-90	808	99
90-180	8	1
0-180	817	100

### Candela Table

Vertical Angles	Candela
0	356
5	355
15	337
25	305
35	260
45	203

### Test Information

Test Number: NTR1185  
 Part Number: NOXAC-563130WW  
 Beam Spread: 97° Wide Flood  
 Lumens: 850lm  
 Wattage: 12.83W  
 Efficacy: 66lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.2  
 Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	23.1fc	9'-1"
6'	10.3fc	13'-7"
8'	5.8fc	18'-2"
10'	3.7fc	22'-8"
12'	2.6fc	27'-4"

### Zonal Lumen Summary

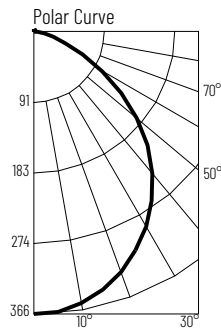
Zone	Lumens	% Luminaire
0-30	279	32.8
0-40	447	52.6
0-60	734	86.3
0-90	842	99
90-180	9	1
0-180	851	100

### Candela Table

Vertical Angles	Candela
0	370
5	367
15	349
25	315
35	269
45	210

### Test Information

Test Number: NTR1186  
 Part Number: NOXAC-563135WW  
 Beam Spread: 95° Wide Flood  
 Lumens: 824lm  
 Wattage: 12.72W  
 Efficacy: 65lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.18  
 Spacing Criteria (90°-270°): 1.18



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.7fc	8'-11"
6'	10.1fc	13'-5"
8'	5.7fc	17'-10"
10'	3.6fc	22'-4"
12'	2.5fc	26'-10"

### Zonal Lumen Summary

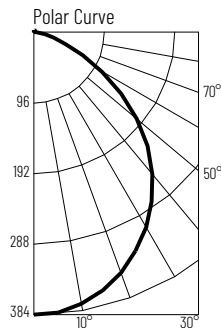
Zone	Lumens	% Luminaire
0-30	273	33.1
0-40	435	52.8
0-60	708	85.9
0-90	816	99
90-180	8	1
0-180	824	100

### Candela Table

Vertical Angles	Candela
0	364
5	361
15	343
25	309
35	261
45	203

### Test Information

Test Number: NTR1187  
 Part Number: NOXAC-563140WW  
 Beam Spread: 96° Wide Flood  
 Lumens: 869lm  
 Wattage: 12.7W  
 Efficacy: 68lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.18  
 Spacing Criteria (90°-270°): 1.18



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24fc	8'-11"
6'	10.7fc	13'-4"
8'	6fc	17'-10"
10'	3.8fc	22'-2"
12'	2.7fc	26'-8"

### Zonal Lumen Summary

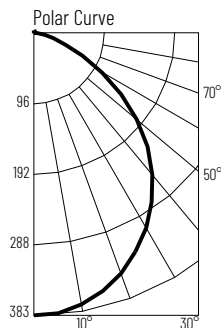
Zone	Lumens	% Luminaire
0-30	287	33.1
0-40	459	52.8
0-60	748	86.1
0-90	860	99
90-180	9	1
0-180	869	100

### Candela Table

Vertical Angles	Candela
0	384
5	382
15	363
25	326
35	276
45	214

### Test Information

Test Number: NTR1188  
 Part Number: NOXAC-563150WW  
 Beam Spread: 96° Wide Flood  
 Lumens: 862lm  
 Wattage: 12.72W  
 Efficacy: 68lpw  
 CCT / CRI: 5000K / 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'	24fc	8'-11"
6'	10.6fc	13'-5"
8'	6fc	17'-11"
10'	3.8fc	22'-5"
12'	2.7fc	26'-10"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	287	33.3
0-40	459	53.3
0-60	747	86.7
0-90	853	99
90-180	9	1
0-180	862	100

### Candela Table

Vertical Angles	Candela
0	383
5	381
15	362
25	326
35	277
45	215

# PHOTOMETRICS

## 5"/6" AC Onyx Retrofit Reflectors

Type

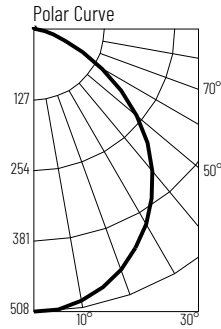
Project

Catalog No.

Notes

### Test Information

Test Number: NTRI590R1  
 Part Number: NOXAC-563127WW/HL  
 Beam Spread: 96° Wide Flood  
 Lumens: 1144lm  
 Wattage: 14.92W  
 Efficacy: 77lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.2  
 Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	31.8fc	8'-10"
6'	14.1fc	13'-4"
8'	7.9fc	17'-8"
10'	5.1fc	22'-1"
12'	3.5fc	26'-6"

### Zonal Lumen Summary

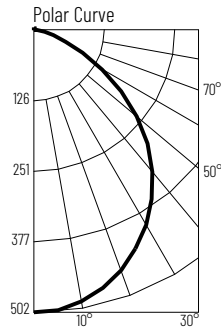
Zone	Lumens	% Luminaire
0-30	382	33.4
0-40	612	53.5
0-60	994	86.9
0-90	1132	99
90-180	12	1
0-180	1144	100

### Candela Table

Vertical Angles	Candela
0	508
5	505
15	479
25	434
35	370
45	282

### Test Information

Test Number: NTRI591R1  
 Part Number: NOXAC-563130WW/HL  
 Beam Spread: 95° Wide Flood  
 Lumens: 1111lm  
 Wattage: 14.66W  
 Efficacy: 76lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.18  
 Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	31.3fc	8'-8"
6'	13.9fc	13'
8'	7.8fc	17'-5"
10'	5fc	21'-8"
12'	3.5fc	26'

### Zonal Lumen Summary

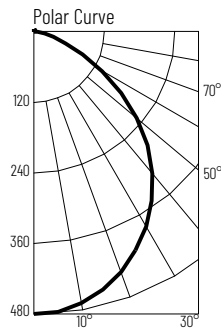
Zone	Lumens	% Luminaire
0-30	376	33.8
0-40	600	54
0-60	969	87.2
0-90	1100	99
90-180	11	1
0-180	1111	100

### Candela Table

Vertical Angles	Candela
0	501
5	498
15	471
25	417
35	358
45	273

### Test Information

Test Number: NTRI592R1  
 Part Number: NOXAC-563135WW/HL  
 Beam Spread: 97° Wide Flood  
 Lumens: 1071lm  
 Wattage: 15.09W  
 Efficacy: 71lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.2  
 Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	30fc	8'-8"
6'	13.3fc	13'-1"
8'	7.5fc	17'-5"
10'	4.8fc	21'-10"
12'	3.3fc	26'-2"

### Zonal Lumen Summary

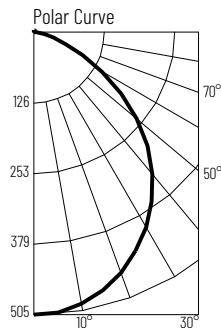
Zone	Lumens	% Luminaire
0-30	361	33.7
0-40	578	53.9
0-60	933	87.1
0-90	1060	99
90-180	11	1
0-180	1071	100

### Candela Table

Vertical Angles	Candela
0	480
5	477
15	454
25	411
35	349
45	263

### Test Information

Test Number: NTRI593R1  
 Part Number: NOXAC-563140WW/HL  
 Beam Spread: 97° Wide Flood  
 Lumens: 1162lm  
 Wattage: 14.63W  
 Efficacy: 79lpw  
 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'	31.6fc	9'
6'	14fc	13'-7"
8'	7.9fc	18'-1"
10'	5.1fc	22'-7"
12'	3.5fc	27'-1"

### Zonal Lumen Summary

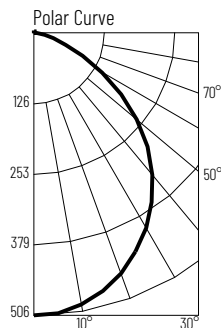
Zone	Lumens	% Luminaire
0-30	384	33
0-40	617	53.1
0-60	1009	86.8
0-90	1150	99
90-180	12	1
0-180	1162	100

### Candela Table

Vertical Angles	Candela
0	505
5	502
15	477
25	435
35	373
45	287

### Test Information

Test Number: NTRI780R1  
 Part Number: NOXAC-563150WW  
 Beam Spread: 96° Wide Flood  
 Lumens: 1146lm  
 Wattage: 14.35W  
 Efficacy: 80lpw  
 CCT / CRI: 5000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.18  
 Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	31.6fc	8'-11"
6'	14fc	13'-4"
8'	7.9fc	17'-10"
10'	5.1fc	22'-2"
12'	3.5fc	26'-8"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	381	33.2
0-40	611	53.3
0-60	998	87.1
0-90	1138	99.3
90-180	8	0.7
0-180	1146	100

### Candela Table

Vertical Angles	Candela
0	505
5	500
15	474
25	429
35	364
45	281