

NOXTW-56 Series

5"/6" Onyx Tunable White LED Retrofit

Source: 15.5W

Up to 1100lm

PRODUCT DESCRIPTION

5"/6" Onyx Tunable White Retrofit Series include an integral tunable CCT switch. 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 1100lm / 15.5W LED light engine
- Selectable CCT (2700K, 3000K, 3500K, 4000K or 5000K @ 90+ CRI)
- Integral dimmable driver
- Includes medium base socket adaptor for easy retrofitting in 5" or 6" recessed housings
- 5-year limited warranty
- ENERGY STAR certified
- cULus 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-21ISM](#)) for retrofitting into medium base downlight housings. Intended to be used as a LED lamp replacement. GU24 socket adaptor ([NRA-212SM](#)) is available.

ELECTRICAL

Input Voltage: 120V 60Hz

Lumens / Wattage: Up to 1100lm / 15.5W

Color Temperature: Selectable CCT (2700K / 3000K / 3500K / 4000K / 5000K)

Color Rendering Index: 90+CRI

Dimming: Triac or 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 5" & 6" IC and Non-IC housings by Nora and others.

Fire Box

[NFBC-5INCATA](#)

5" ICAT Fire Box

[NFBC-5LMRATA*](#)

5" ICAT Dedicated LED Fire Box

[NFBC-6INCATA](#)

6" ICAT Fire Box

[NFBC-6LMRATA*](#)

6" ICAT Dedicated LED Fire Box

New Construction

[NHIC-5LMRAT*](#)

5" ICAT Dedicated LED

[NHIC-5LMRAT/277*](#)

5" ICAT Dedicated LED, 277V

[NHIC-527LMRAT*](#)

5" ICAT Shallow Dedicated LED

[NHIC-501QAT](#)

5" ICAT Line Voltage

[NHIC-527QAT](#)

5" ICAT Shallow Line Voltage

[NHIC-6LMRAT*](#)

6" ICAT Dedicated LED

[NHICCP-6LMRAT*](#)

6" Chicago Plenum Dedicated LED

[NHIC-27LMRAT*](#)

6" ICAT Shallow Dedicated LED

[NHIC-17QAT](#)

6" ICAT Line Voltage

[NHIC-17QNBAT](#)

6" ICAT Line Voltage (No Bracket)

[NHIC-27QAT](#)

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-504QAT](#)

5" ICAT Line Voltage

[NHRIC-527QAT](#)

5" ICAT Shallow Line Voltage

[NHRIC-6LMRAT*](#)

6" ICAT Dedicated LED

[NHRIC-27LMRAT*](#)

6" ICAT Shallow Dedicated LED

[NHRIC-17QAT](#)

6" ICAT Line Voltage

[NHRIC-17QNBAT](#)

6" ICAT Line Voltage (No Bracket)

[NHRIC-27QAT](#)

6" ICAT Shallow Line Voltage

[NHR-26Q](#)

6" Line Voltage

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

† Housings include a step down transformer

LABELS AND LISTINGS

- cETLus classified for Wet Locations
- ENERGY STAR certified (WW only)
- [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

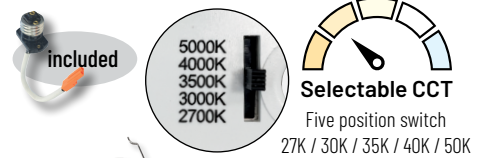
Catalog No.

Notes

| Performance Data | | |
|------------------|--------|-------|
| Part Number | Lumens | CCT |
| NOXTW-5631WW | 947lm | 2700K |
| NOXTW-5631WW | 1057lm | 3000K |
| NOXTW-5631WW | 1087lm | 3500K |
| NOXTW-5631WW | 1134lm | 4000K |
| NOXTW-5631WW | 1118lm | 5000K |

Delivered lumens will vary depending on trim type and finish

PRODUCT IMAGES AND DIMENSIONS



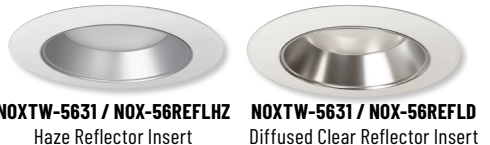
NOXTW-5631BB
Black Reflector

NOXTW-5631WW
White Reflector



NOXTW-5631 / NOX-56REFLB
Black Reflector Insert

NOXTW-5632WW
Round Baffle



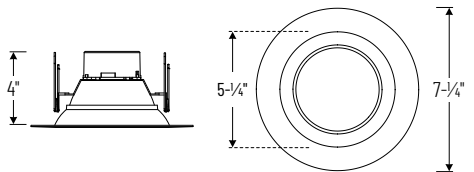
NOXTW-5631 / NOX-56REFLHZ
Haze Reflector Insert

NOXTW-5631 / NOX-56REFLD
Diffused Clear Reflector Insert



NOXTW-5631 / NOX-56BAFB
Black Baffle Insert

NOXTW-5631 / NOX-56BAFW
White Baffle Insert



5"/6" Onyx Tunable White LED Retrofit

| Trim Type | Color Temperature | Finish |
|-------------------------------------|---|--|
| NOXTW-5631 = Round Reflector | Selectable CCT | BB = Black / Black Flange (NOXTW-5631 only) |
| NOXTW-5632 = Round Baffle | (2700K / 3000K / 3500K / 4000K / 5000K) | WW = White / White Flange |

Optional Accessories

| Description |
|---|
| NOX-56REFLB = 5"/6" Black Reflector Insert for NOXTW-5631 |
| NOX-56REFLD = 5"/6" Clear Diffused Reflector Insert for NOXTW-5631 |
| NOX-56REFLHZ = 5"/6" Haze Reflector Insert for NOXTW-5631 |
| NOX-56BAFB = 5"/6" Black Baffle Insert for NOXTW-5631 |
| NOX-56BAFW = 5"/6" White Baffle Insert for NOXTW-5631 |
| NOX-56EYELIDW = 5"/6" Round White Eyelid |
| NOX-56OR-W = 5"/6" Round White Oversize Ring |
| NRA-21ISM = Medium base screw-in socket (included w/ each) |
| NRA-212SM = Socket adapter for use with GU24 housings |

Example: **NOXTW-5631WW** = 5"/6" Onyx Tunable White Round Reflector LED Retrofit, White Reflector / White Flange

NOXTW-56 Series

5"/6" Onyx Tunable White Retrofit Reflector Accessories

Type

Project

Catalog No.

Notes



Onyx Reflector Insert

NOX-56REFLB

Black

NOX-56REFLD

Clear Diffused

NOX-56REFLH

Haze

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



Onyx Baffle Insert

NOX-56BAFB

Black

NOX-56BAFW

White

Round baffle insert is field changeable used to convert reflector (NOXTW-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"



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" Onyx Tunable White Retrofit Reflectors

Type

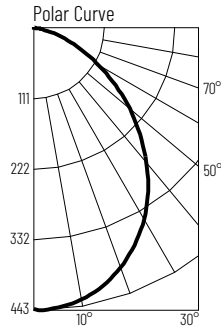
Project

Catalog No.

Notes

Test Information

Test Number: NTR1173
 Part Number: NOXTW-5631WW
 Beam Spread: 93° Wide Flood
 Lumens: 947lm
 Wattage: 15.65W
 Efficacy: 60lpw
 CCT / CRI: 2700K / 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' | 27.7fc | 8'-5" |
| 6' | 12.3fc | 12'-6" |
| 8' | 6.9fc | 16'-8" |
| 10' | 4.4fc | 20'-11" |
| 12' | 3.1fc | 25'-1" |

Zonal Lumen Summary

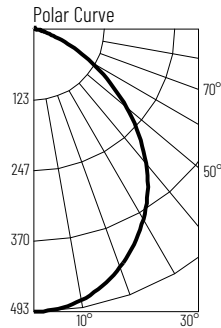
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 159 | 16.8 |
| 0-40 | 525 | 55.4 |
| 0-60 | 835 | 88.2 |
| 0-90 | 938 | 99.1 |
| 90-180 | 8 | 0.9 |
| 0-180 | 947 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 443 |
| 5 | 440 |
| 15 | 417 |
| 25 | 372 |
| 35 | 311 |
| 45 | 232 |

Test Information

Test Number: NTR1174
 Part Number: NOXTW-5631WW
 Beam Spread: 93° Wide Flood
 Lumens: 1057lm
 Wattage: 15.45W
 Efficacy: 68lpw
 CCT / CRI: 3000K / 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' | 30.8fc | 8'-5" |
| 6' | 13.7fc | 12'-7" |
| 8' | 7.7fc | 16'-10" |
| 10' | 4.9fc | 21' |
| 12' | 3.4fc | 25'-4" |

Zonal Lumen Summary

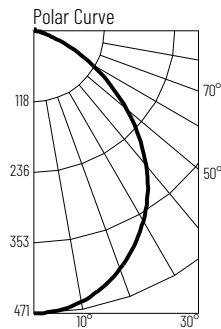
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 368 | 34.8 |
| 0-40 | 585 | 55.4 |
| 0-60 | 933 | 88.2 |
| 0-90 | 1049 | 99.2 |
| 90-180 | 9 | 0.8 |
| 0-180 | 1057 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 493 |
| 5 | 490 |
| 15 | 464 |
| 25 | 415 |
| 35 | 348 |
| 45 | 261 |

Test Information

Test Number: NTR1175
 Part Number: NOXTW-5631WW
 Beam Spread: 98° Wide Flood
 Lumens: 1087lm
 Wattage: 15.43W
 Efficacy: 70lpw
 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' | 29.5fc | 9'-2" |
| 6' | 13.1fc | 13'-10" |
| 8' | 7.4fc | 18'-5" |
| 10' | 4.7fc | 23' |
| 12' | 3.3fc | 27'-7" |

Zonal Lumen Summary

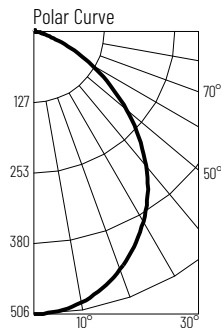
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 357 | 32.8 |
| 0-40 | 573 | 52.8 |
| 0-60 | 943 | 86.8 |
| 0-90 | 1078 | 99.2 |
| 90-180 | 9 | 0.8 |
| 0-180 | 1087 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 471 |
| 5 | 468 |
| 15 | 447 |
| 25 | 405 |
| 35 | 348 |
| 45 | 271 |

Test Information

Test Number: NTR1176
 Part Number: NOXTW-5631WW
 Beam Spread: 95° Wide Flood
 Lumens: 1134lm
 Wattage: 15.36W
 Efficacy: 74lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 1.18
 Spacing Criteria (90°-270): 1.14



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 31.6fc | 8'-10" |
| 6' | 14.1fc | 13'-2" |
| 8' | 7.9fc | 17'-7" |
| 10' | 5.1fc | 21'-11" |
| 12' | 3.5fc | 26'-4" |

Zonal Lumen Summary

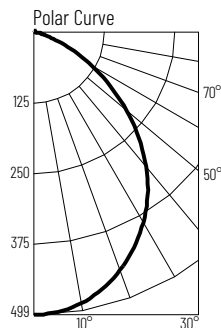
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 379 | 33.4 |
| 0-40 | 606 | 53.4 |
| 0-60 | 982 | 86.6 |
| 0-90 | 1121 | 98.9 |
| 90-180 | 13 | 1.1 |
| 0-180 | 1134 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 506 |
| 5 | 503 |
| 15 | 475 |
| 25 | 424 |
| 35 | 357 |
| 45 | 272 |

Test Information

Test Number: NTR1177
 Part Number: NOXTW-5631WW
 Beam Spread: 95° Wide Flood
 Lumens: 1118lm
 Wattage: 15.36W
 Efficacy: 73lpw
 CCT / CRI: 5000K / 90 CRI
 Spacing Criteria (0°-180): 1.18
 Spacing Criteria (90°-270): 1.14



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 31.2fc | 8'-10" |
| 6' | 13.9fc | 13'-2" |
| 8' | 7.8fc | 17'-7" |
| 10' | 5fc | 21'-11" |
| 12' | 3.5fc | 26'-4" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 374 | 33.4 |
| 0-40 | 597 | 53.4 |
| 0-60 | 969 | 86.6 |
| 0-90 | 1106 | 98.9 |
| 90-180 | 12 | 1.1 |
| 0-180 | 1118 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 499 |
| 5 | 496 |
| 15 | 469 |
| 25 | 418 |
| 35 | 352 |
| 45 | 268 |