

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](#)

[NFBC-5LMRATA*](#)

[NFBC-6INCATA](#)

[NFBC-6LMRATA*](#)

New Construction

[NHIC-5LMRAT*](#)

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

[NHIC-527LMRAT*](#)

[NHIC-5010AT](#)

[NHIC-5270AT](#)

[NH-5010](#)

[NHIC-5G24ATFL](#)

[NHIC-6LMRAT*](#)

[NHIC-6LMRAT/277*](#)

[NHICCP-6LMRAT*](#)

[NHIC-27LMRAT*](#)

[NHIC-170AT](#)

[NHIC-170NBAT](#)

[NHIC-270AT](#)

[NH-260](#)

[NHIC-6G24ATFL](#)

Remodel

[NHRIC-5LMRAT*](#)

[NHRIC-527LMRAT*](#)

[NHRIC-5040AT](#)

[NHRIC-5270AT](#)

[NHR-5040](#)

[NHRIC-6LMRAT*](#)

[NHRIC-27LMRAT*](#)

[NHRIC-170AT](#)

[NHRIC-170NBAT](#)

[NHRIC-270AT](#)

[NHR-260](#)

[NHR-260](#)

[NHR-260](#)

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[NHR-260](#)

5" ICAT Fire Box

5" ICAT Dedicated LED Fire Box

6" ICAT Fire Box

6" ICAT Dedicated LED Fire Box

5" ICAT Dedicated LED

5" ICAT Dedicated LED, 277V

5" ICAT Shallow Dedicated LED

5" ICAT Line Voltage

5" ICAT Shallow Line Voltage

5" Line Voltage

5" Line Voltage

5" Line Voltage

6" ICAT Dedicated LED

6" ICAT Dedicated LED, 277V

6" Chicago Plenum Dedicated LED

6" ICAT Shallow Dedicated LED

6" ICAT Line Voltage

6" ICAT Line Voltage (No Bracket)

6" ICAT Shallow Line Voltage

6" Line Voltage

6" ICAT GU24

5" ICAT Dedicated LED

5" ICAT Shallow Dedicated LED

5" ICAT Line Voltage

5" ICAT Shallow Line Voltage

5" Line Voltage

6" ICAT Dedicated LED

6" ICAT Shallow Dedicated LED

6" ICAT Line Voltage

6" ICAT Line Voltage (No Bracket)

6" ICAT Shallow Line Voltage

6" Line Voltage

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

¹ Housings include a step down transformer

LABELS AND LISTINGS

- cULus 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



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

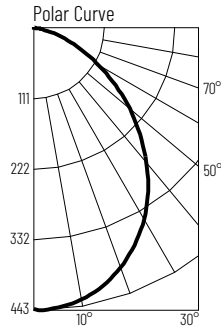
Project

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

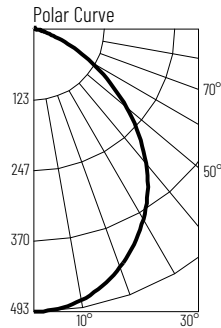
Zone	Lumens	% Luminaire
0-30	159	16.8
0-40	525	55.4
0-60	835	88.2
0-90	938	99.1
90-180	8	0.9
0-180	947	100

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

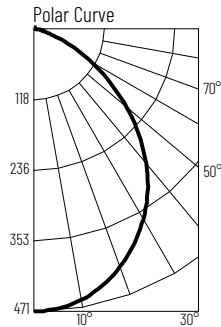
Zone	Lumens	% Luminaire
0-30	368	34.8
0-40	585	55.4
0-60	933	88.2
0-90	1049	99.2
90-180	9	0.8
0-180	1057	100

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

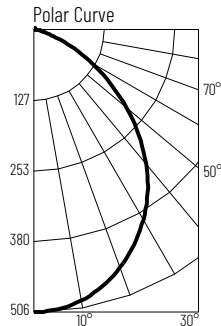
Zone	Lumens	% Luminaire
0-30	357	32.8
0-40	573	52.8
0-60	943	86.8
0-90	1078	99.2
90-180	9	0.8
0-180	1087	100

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

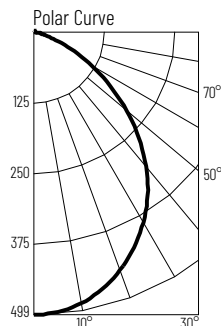
Zone	Lumens	% Luminaire
0-30	379	33.4
0-40	606	53.4
0-60	982	86.6
0-90	1121	98.9
90-180	13	1.1
0-180	1134	100

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