

NOX-636 Series

6" Onyx Retrofit Reflectors

Source: 12W or 17.5W LED
750lm or 1200lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

The Onyx 6" Square Series is suitable for use with most 6" recessed housings. Die-cast aluminum construction provides clean sharp edges. Deep regressed optics and square aperture delivers even and glare-free illumination.

FEATURES:

- 1200lm / 17.5W or 750lm / 12W
- 2700K, 3000K or 4000K @ 90+ CRI
- Includes medium base socket adaptor for easy retrofitting in 6" recessed housings
- 5-year limited warranty
- ENERGY STAR certified
- cULus classified for wet locations

SPECIFICATION

Trim: One piece, die-cast aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

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

Mounting: Two steel, spring mounting wires allow for easy and secure mounting in most 6" 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

Voltage: 120VAC

Lumens / Wattage:

(blank) = 750lm / 12W

/12 = 1200lm / 17.5W

Color Temperature: 2700K, 3000K or 4000K

CRI: 90+CRI

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 Square reflectors are compatible with most 6" IC and Non-IC housings by Nora and others.

Fire Box

NFBIC-6INCAT

6" ICAT Fire Box

NFBIC-6LMRAT*

6" ICAT Dedicated LED Fire Box

New Construction

NHIC-6LMRAT* 6" ICAT Dedicated LED

NHICCP-6LMRAT* 6" Chicago Plenum Dedicated LED

(Note: NHICCP-6LMRAT is not compatible with 1200lm)

NHIC-6LMRAT/277* 6" ICAT Dedicated LED, 277V

(includes step down transformer)

NHIC-27LMRAT* 6" ICAT Shallow Dedicated LED

NHIC-17QAT 6" ICAT Line Voltage

NHIC-17QNBAT 6" ICAT Line Volt (No Bracket)

NHIC-27QAT 6" ICAT Shallow Line Voltage

NH-26Q 6" Line Voltage

NH-26QNB 6" Line Voltage (No Bracket)

NHIC-6G24ATFL 6" ICAT GU24

Remodel

NHRIC-6LMRAT* 6" ICAT Dedicated LED

NHRIC-27LMRAT* 6" ICAT Shallow Dedicated LED

NHRIC-17QAT 6" ICAT Line Voltage

NHRIC-17QNBAT 6" ICAT Line Volt (No Bracket)

NHRIC-27QAT 6" ICAT Shallow Line Voltage

NHR-26Q 6" Line Voltage

NHRIC-6G24ATFL 6" ICAT GU24

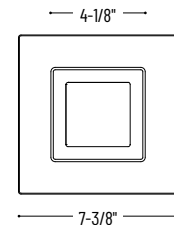
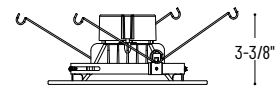
* Nora LED Dedicated housings are cULus listed for use only with Nora LED Retrofits.

LABELS AND LISTINGS

- ENERGY STAR certified
- cULus classified for Wet Locations
- Meets ASTM-E283 Air-Tight requirements
- 5-Year Limited Warranty
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements



PRODUCT IMAGES AND DIMENSIONS



6" Onyx Square LED Reflector

Reflector Type	Color Temp.	Finish	Lumens / Wattage
NOX-636 = Square	27 = 2700K	WW = White / White Flange	(blank) = 750lm / 12W
	30 = 3000K		/12 = 1200lm / 17.5W
	40 = 4000K		

Optional Accessories

Description
NRA-21ISM = Medium base screw-in socket (included w/ ea)
NRA-212SM = Socket adapter for use with GU24 housings

Example: **NOX-63640WW** = 6" Onyx Square LED Retrofit, 4000K, White finish, 750lm / 12W

NOX-636 Series

6" Onyx Retrofit Reflectors
Photometrics

Type

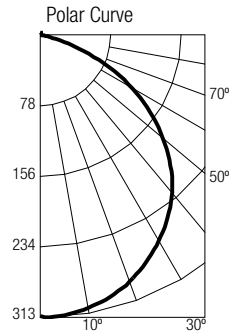
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Notes

Test Information

Test Number: NTR11138
Part Number: NOX-63630WW
Lumens: 802lm
Wattage: 11.5W
Efficacy: 69lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180): 1.26
Spacing Criteria (90°-270): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	19.5fc	10'-11"
6'	8.7fc	16'-4"
8'	4.9fc	21'-8"
10'	3.1fc	27'-2"
12'	2.2fc	32'-7"

Zonal Lumen Summary

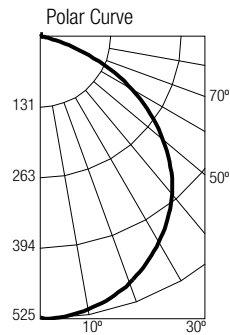
Zone	Lumens	% Luminaire
0-30	241	30.1
0-40	395	49.2
0-60	683	85.2
0-90	795	99.1
90-180	7	0.9
0-180	802	100

Candela Table

Vertical Angles	Candela
0	311
5	310
15	299
25	276
35	244
45	203

Test Information

Test Number: NTR11274R2
Part Number: NOX-63630WW/12
Lumens: 1357lm
Wattage: 17.1W
Efficacy: 79lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180): 1.26
Spacing Criteria (90°-270): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	32.6fc	10'-11"
6'	14.5fc	16'-5"
8'	8.2fc	21'-10"
10'	5.2fc	27'-4"
12'	3.6fc	32'-10"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	406	29.9
0-40	665	49
0-60	1153	85
0-90	1347	99.3
90-180	9	0.7
0-180	1357	100

Candela Table

Vertical Angles	Candela
0	522
5	520
15	502
25	465
35	414
45	344