

NOX-636 Series
6" Onyx Square Retrofit Downlight

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

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-211SM) 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

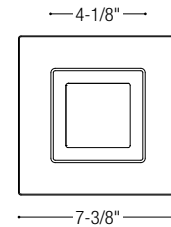
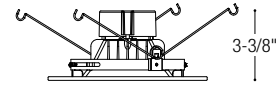
* Nora LED Dedicated housings are cULus listed for use only with Nora LED Retrofits.

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 30 = 3000K 40 = 4000K	WW = White / White Flange	(blank) = 750lm / 12W /12 = 1200lm / 17.5W

Optional Accessories

Description
NRA-211SM = Medium base screw-in socket (included w/ ea)
NRA-212SM = Socket adapter for use with GU24 housings

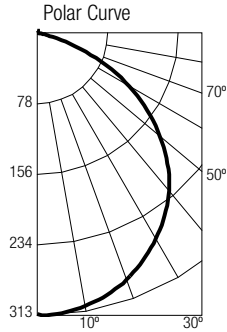
Example: **NOX-63640WW** = 6" Onyx Square LED Retrofit, 4000K, White finish, 750lm / 12W

PHOTOMETRICS

6" Onyx Square Retrofit Downlight

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

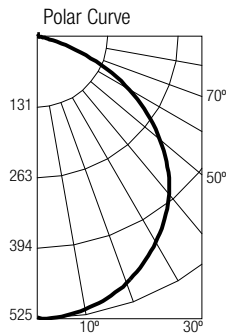
Zone	Lumens	% Luminaire
0-30	241	30.1
0-40	395	49.2
0-60	683	85.2
0-90	795	99.1
90-180	7	0.9
0-180	802	100

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