

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-6INCATA** 6" ICAT Fire Box
- NFBIC-6LMRATA*** 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

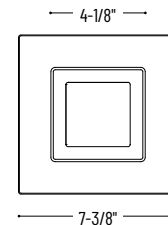
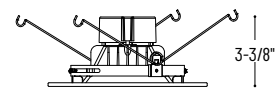
* Nora LED Dedicated housings are cULus listed for use only with Nora LED Retrofits.

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 /12 = 1200lm / 17.5W |
| | 30 = 3000K | | |
| | 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 _____

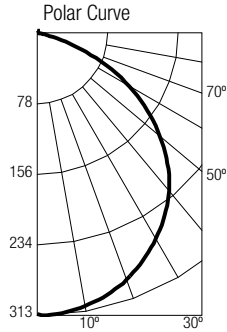
Project _____

Catalog No. _____

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

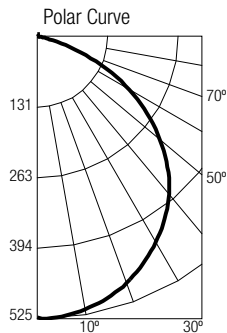
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 241 | 30.1 |
| 0-40 | 395 | 49.2 |
| 0-60 | 683 | 85.2 |
| 0-90 | 795 | 99.1 |
| 90-180 | 7 | 0.9 |
| 0-180 | 802 | 100 |

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 |