NOX-436

4" Onyx Square LED Retrofit Reflector
Source: 10.5W or 14.5W LED
Up to 1000lm

Type
Project
Catalog No.
Notes

PRODUCT DESCRIPTION

Onyx Retrofit Series is suitable for use with most 4" recessed housings. Die-cast aluminum construction provides clean sharp edges. Deep regressed optics and round aperture delivers even and glare-free illumination. Available in multiple color temperatures and 90+ CRI.

FEATURES

- Up to 1000 delivered lumens
- 2700K, 3000K, or 4000K @ 90+ CRI
- Integral dimmable driver
- Includes medium base socket adapter for easy retrofitting in 4" recessed housings
- Quick connector is compatible with dedicated LED housings
- 5-year limited warranty
- cULus classified for wet locations
- ENERGY STAR certified

SPECIFICATION

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

Mounting: Two steel, spring mounting blades allow for easy and secure mounting in most 4" 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	(blank)	/9
Input Voltage	120V	
Input Power	10.5W	14.5W
Color Temperature	2700K, 3000K, 4000K	
CRI	90+ CRI	
Dimming	Triac / ELV	
Operating Temp.	0° to 45°C	

COMPATIBLE HOUSINGS

Onyx reflectors are compatible with most 4" IC and Non-IC housings by Nora and others.

Fire Box

NFBIC-4LMRATA* IC Air-Tight Dedicated LED Firebox
NFBIC-427LMRATA* Shallow ICAT Dedicated LED Firebox
NFBIC-4INCATA IC Air-Tight Line Voltage Firebox

New Construction

NHIC-4LMRAT* IC Air-Tight Dedicated LED
NHIC-4LMRAT/277* ICAT Dedicated LED, 277V
(includes step-down transformer)
NHICCP-4LMRAT* Chicago Plenum Dedicated LED
(NHICCP-4LMRAT is not compatible with 1000lm)
NHIC-427LMRAT* Shallow IC Air-Tight Dedicated LED
(NHIC-427LMRAT is not compatible with 1000lm)
NSIC-401QAT IC Air-Tight Line Voltage
NS-401QAT Air-Tight Line Voltage
NHIC-4G24AT IC Air-Tight GU24

Remodel

NHRIC-4LMRAT* IC Air-Tight Dedicated LED
NHRIC-427LMRAT* Shallow IC Air-Tight Dedicated LED
(NHRIC-427LMRAT is not compatible with 1000lm)
NSR-404QAT Air-Tight Line Voltage
NSRIC-404QAT IC Air-Tight Line Voltage
NHRIC-4G24AT IC Air-Tight GU24

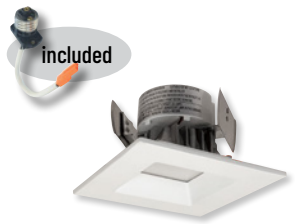
* Nora LED Dedicated housings are cULus listed for use only with Nora LED Retrofits.

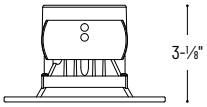
LABELS AND LISTINGS

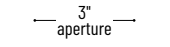
- cULus classified for Wet Location
- ENERGY STAR certified
- 5-Year Limited Warranty
- Meets ASTM-E283 Air-Tight requirements
- Certified to the high efficacy requirements of California Title 24 JA8-2019

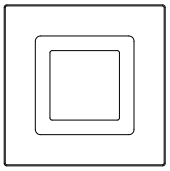
Performance Data			
Part Number	(blank) Lumens	/9 Lumens	CCT
NOX-43627WW	750lm	909lm	2700K
NOX-43630WW	718lm	947lm	3000K
NOX-43640WW	682lm	1040lm	4000K

PRODUCT IMAGES AND DIMENSIONS









4" Onyx Square Retrofit Reflectors

Lumens / Wattage / Color Temperature

- **NOX-43627WW** = 750lm / 10.5W / 2700K
- **NOX-43627WW/9** = 909lm / 14.5W / 2700K
- **NOX-43630WW** = 718lm / 10.5W / 3000K
- **NOX-43630WW/9** = 947lm / 14.5W / 3000K
- **NOX-43640WW** = 682lm / 10.5W / 4000K
- **NOX-43640WW/9** = 1040lm / 14.5W / 4000K

Optional Accessories

Description

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

Example: **NOX-43630WW/9** = 4" Onyx Square Reflector, 947lm / 14.5W LED, 3000K, White Finish

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PHOTOMETRICS

4" Onyx Square Retrofit Reflector

Type

Project

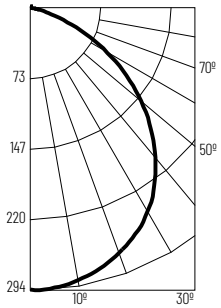
Catalog No.

Notes

Test Information

Test Number: NTR11273
Part Number: NOX-43630WW
Lumens: 718lm
Wattage: 10.7W
Efficacy: 67lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0º-180): 1.26
Spacing Criteria (90º-270): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	18.3fc	10'-1"
6'	8.1fc	15'-2"
8'	4.6fc	20'-4"
10'	2.9fc	25'-5"
12'	2fc	30'-5"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	226	31.5
0-40	368	51.3
0-60	621	86.5
0-90	713	99.3
90-180	5	0.7
0-180	718	100

Candela Table

Vertical Angles	Candela
0	293
5	292
15	281
25	259
35	228
45	183

Lumen Output Multipliers

Lumen Package: 650lm (1.00), 900lm (1.67)

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