

NIR-4

4" Iolite Retrofit Reflectors

Source: 12W LED

800lm or 1000lm

PRODUCT DESCRIPTION

4" Iolite retrofit reflectors can be specified for use in new construction or remodel applications. The die-cast aluminum reflectors are available in square and round designs, with sharp and clean edges. Reflectors ship with a 60° optic installed, 25° and 38° optics are included and can be easily changed in the field. The reflectors produce 800lm or 1000lm output at 90+ CRI, utilizing 12W.

FEATURES

- Retrofit existing 4" recessed housings
- Comfort Dim (warm dimming) also available in 800lm only
- 2700K, 3000K, 3500K, 4000K or 5000K @ 90+ CRI
- 60° (Flood) optic installed, 38° (Narrow flood) and 25° (Spot) optics included
- 5-Year limited warranty

SPECIFICATION

Construction: Reflectors are constructed of heat dissipating, die-cast aluminum. The aluminum die-cast LED heat sink is threaded to fit the reflector and transfer heat.

Reflectors:

NIR-4RG / NIR-4SG: Adjustable surface gimbals adjusts up to 40° (varies by housing).
 NIR-4RC / NIR-4SC: Regressed cone reflectors optimize visual cut-off and adjust up to 40° (varies by housing).
 NIR-4RNB / NIR-4SNB: Bullnose reflector with a filleted aperture which allows for minimal aperture brightness.

Mounting: Reflector includes friction blades to mount securely in most 4" housings.

Field Changeable Optics: Each reflector comes with a 60° (installed), 38° and 25° optics (included). Premium TIR optics are also available in 15° or 25°, see page 2.

Retrofit: Iolite 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

Input Voltage: 120VAC
Lumens / Wattage: 800lm / 12W or 1000lm / 12W
Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K
CRI: 90+CRI
Operating Temp.: 0°C to 40°C ambient temperature
Lifetime: 50,000 hours @ L70
Comfort Dim: Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.
Dimming: Triac or ELV
[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab.

COMPATIBLE HOUSINGS

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

CATALOG NO.	DESCRIPTION
NFBIC-4LMRATA	ICAT Dedicated LED Fire Box
NFBIC-4INCATA	ICAT Line Voltage Fire Box
NHIC-4LMRAT	ICAT Dedicated LED New Construction
NSIC-401QAT	ICAT Line Voltage New Construction
NS-401QAT	AT Line Voltage New Construction
NHIC-4G24AT	ICAT GU24 New Construction
NHRIC-4LMRAT	ICAT Dedicated LED Remodel
NSRIC-401QAT	ICAT Line Voltage Remodel
NSR-404QAT	AT Line Voltage Remodel
NHRIC-4G24AT	ICAT GU24 Remodel

Accessories: Reflectors will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 2.

LABELS AND LISTINGS

- cULus classified for Damp Location (Adjustable)
- cULus classified for Wet Location (Non-Adjustable)
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- RoHS Compliant



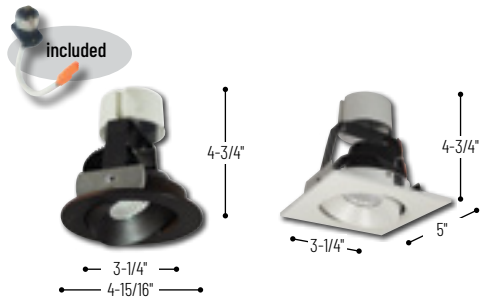
Type

Project

Catalog No.

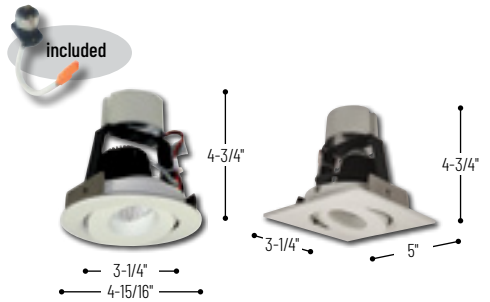
Notes

PRODUCT IMAGES & DIMENSIONS



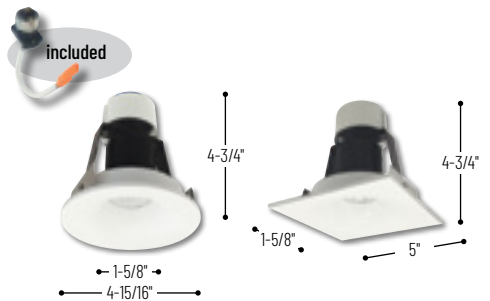
NIR-4RC
 Round Cone Regress
 40° Adj.(varies by housing)
 BB, BW, BZ, HW, MPW, NN, WW

NIR-4SC
 Square Cone Regress
 40° Adj.(varies by housing)
 BB, BW, BZ, HW, MPW, NN, WW



NIR-4RG
 Round Adj. Surface Gimbal
 40° Adj.(varies by housing)
 BB, BZ, MPW, NN, WW

NIR-4SG
 Square Adj. Surface Gimbal
 40° Adj.(varies by housing)
 BB, BZ, MPW, NN, WW



NIR-4RNB
 Round Bullnose
 Non Adjustable
 BB, BZ, MPW, NN, WW

NIR-4SNB
 Square Bullnose
 Non Adjustable
 BB, BZ, MPW, NN, WW

4" Iolite Retrofit Reflectors

Aperture	Reflector Style	Color Temp.	Finish [†]	Lumens / Wattage
NIR-4R = Round	C = Adjustable Cone Regress	27X = 2700K	BB = Black / Black	(blank) = 800lm / 12W
NIR-4S = Square	G = Adjustable Surface Gimbal	30X = 3000K	BW = Black / White	/10 = 1000lm / 12W
	NB = Non-Adjustable Bullnose	35X = 3500K	BZ = Bronze / Bronze	
		40X = 4000K	HW = Haze / White	
		50X = 5000K	MPW = Matte Powder White	
		CDX = Comfort Dim [†]	NN = Natural Metal / Natural Metal	
			WW = White / White	

[†] Comfort Dim available in 800lm only and Iolite uses a different dimming curve than 2" & 4" Iolite

[†] Not all finishes are available on all reflectors

Example: **NIR-4RG27XWW** = 4" Iolite Retrofit Round Adjustable Surface Gimbal, 2700K, White finish, 800lm

4" Iolite Retrofit Accessories

Iolite Accessories can be added at any point in the design process.
Accessories easily install between module and die-cast reflector.

Type _____

Project _____

Catalog No. _____

Notes _____



Frosted Filter-Optic

NIO-REFL15FR 15° Optic
NIO-REFL25FR 25° Optic
NIO-REFL38FR 38° Optic
NIO-REFL60FR 60° Optic



Translucent Deco Collar

NIO-AS14(color) 5/8"
NIO-AS19(color) 3/4"
NIO-AS26(color) 1"

Color:

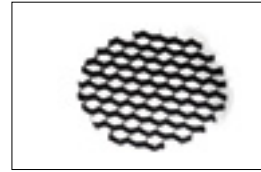
BLU Blue, AM Amber, FR Frost, R Red



Opaque Collar Snoot

NIO-AS14(color) 5/8"
NIO-AS19(color) 3/4"
NIO-AS26(color) 1"

Color: BLK Black, MPW Matte Powder White, WH White



Hex Cell Louver

NIO-HC

Hex cell louver subtly reduces aperture brightness by reducing light output by about 20%



Premium TIR Optics

NIO-REFLTIR15 15° Optic
NIO-REFLTIR25 25° Optic

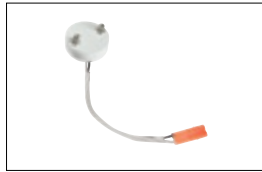
TIR optics are not compatible with Comfort Dim technology.



Medium Base Retrofit Adapter

NRA-211SM

Medium base socket included with each luminaire.



GU24 Retrofit Adapter

NRA-212SM

GU24 adapter replaces medium base socket adapter.