

NIR-4

4" Iolite Retrofit Downlights

Source: 12W LED

800lm or 1000lm

PRODUCT DESCRIPTION

4" Iolite retrofit downlights 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. Downlights include three field changeable optics.

FEATURES

- Retrofit existing 4" recessed housings
- Comfort Dim (warm dimming) also available in 800lm only
- 2700K, 3000K, 3500K, 4000K or 5000K @ 90+ CRI
- Flood optic, narrow flood and 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 adjust 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 retrofit includes a flood, narrow flood and spot optics. Premium TIR optics are also available in 22° or 26°, 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

Color Rendering Index: 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 Locations (Adjustable)
- cULus classified for Wet Locations (Non-Adjustable)
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- RoHS Compliant



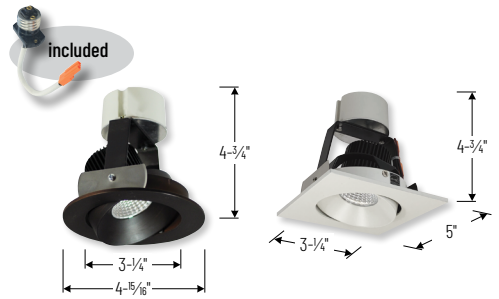
Type

Project

Catalog No.

Notes

PRODUCT IMAGES & DIMENSIONS



NIR-4RC

Round Cone Regress

40° Adj. (varies by housing)

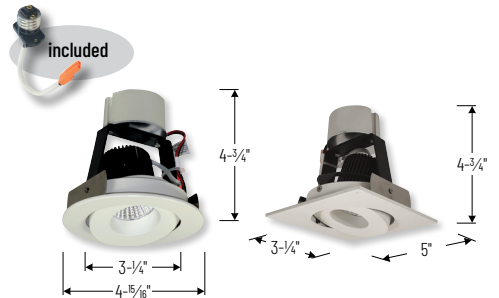
BB, BW, BZ, HW, MPW, NN, WW

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)

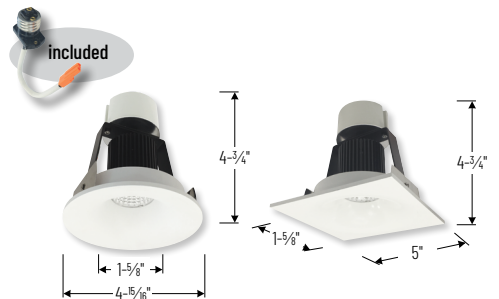
BB, BZ, MPW, NN, WW

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 ¹	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 I[†] Iolite uses a different dimming curve than 2" & 4" Iolite

¹ 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

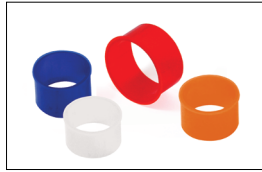
Catalog No.

Notes



Frosted Filter-Optic

NIO-REFL38FR 60° Optic
NIO-REFL60FR 73° Optic

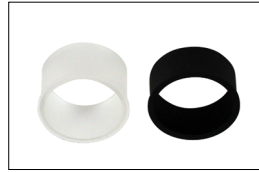


Translucent Deco Collar

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

Color:

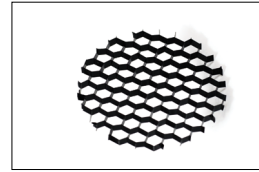
BLU Blue, AM Amber, FR Frost, R Red



Opaque Collar Snoot

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

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 22° Optic
NIO-REFLTIR25 26° 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.