

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: Trims 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 Temperature: 0°C to 40°C

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-404QAT	ICAT Line Voltage Remodel
NSR-404QAT	AT Line Voltage 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)
- [5-Year Limited Warranty](#)
- RoHS Compliant



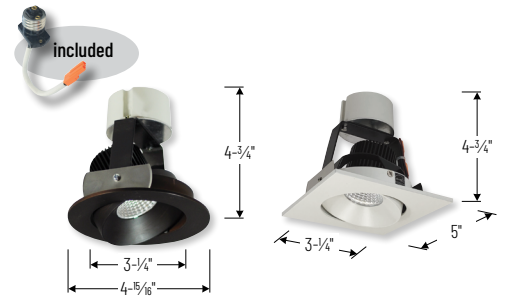
Type

Project

Catalog No.

Notes

PRODUCT IMAGES & DIMENSIONS



NIR-4RC

Round Adjustable Cone Reflector
40° Adj. (varies by housing)
BB, BW, BZ, HW, MPW, NN, WW

NIR-4SC

Square Adjustable Cone Reflector
40° Adj. (varies by housing)
BB, BW, BZ, HW, MPW, NN, WW

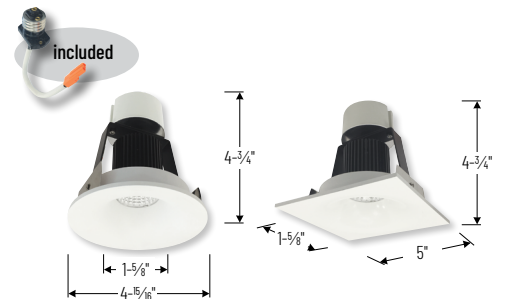


NIR-4RG

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	Trim Style	Color Temp.	Finish ¹	Lumens / Wattage
NIR-4R = Round	C = Adjustable Cone Regress	27X = 2700K	BB = Black / Black	/10 = 1000lm / 12W
NIR-4S = Square	G = Adjustable Surface Gimbal	30X = 3000K	BW = Black / White	
	NB = Non-Adjustable Bullnose	35X = 3500K	BZ = Bronze / Bronze	
		40X = 4000K	HW = Haze / White	
		50X = 5000K	MPW = Matte Powder White	(blank) = 800lm / 12W
		CDX = Comfort Dim ¹	NN = Natural Metal / Natural Metal	
			WW = White / White	

¹ Comfort Dim available in 800lm only and 1" Iolite uses a different dimming curve than 2" & 4" Iolite

¹ Not all finishes are available on all trims

Example: **NIR-4RG27XWW/10** = 4" Iolite Retrofit Round Adjustable Surface Gimbal, 2700K, White finish, 1000lm / 12W

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

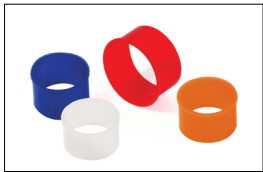
Project

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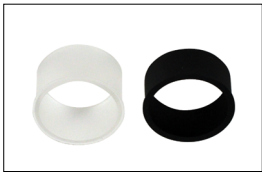
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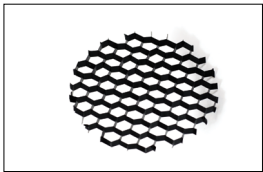
Frosted Filter-Optic
NIO-REFL38FR 60° Optic
NIO-REFL60FR 73° Optic



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.