

NIO-4RTLA

4" Iolite Round Trimless Adjustable Reflector

Source: 14W to 28W LED
800lm to 2000lm

PRODUCT DESCRIPTION

4" Trimless Iolite reflectors have no exposed trim flange and do not extend beyond the ceiling plane. Iolite Trimless requires a Trimless Mud Ring and New Construction housing. Regressed cone reflector optimizes visual cut-off and adjust up to 35°.

FEATURES

- Trimless knife edge appearance
- 800lm, 1000lm, 1500lm or 2000lm LED packages
- 2700K, 3000K, 3500K, 4000K, 5000K @ 90+ CRI
- Cree® LED COB or Comfort Dim Technology
- 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.

Mounting: Reflector includes friction blades to mount securely to trimless mud ring. A trimless mud ring is required per reflector.

OPTICS

800-1000lm: Each reflector includes field changeable optics (25° spot, 38° narrow flood and 60° flood - preinstalled). Premium 15° and 25° TIR optics are also available.

1500-2000lm: Each reflector includes field changeable TIR optics (30° spot, 45° narrow flood - preinstalled and 65° flood).

ELECTRICAL

Lumens / Wattage: 800lm / 14W, 1000lm / 14W, 1500lm / 20W, 2000lm / 24W

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: Specified by housing

COMPATIBLE HOUSINGS

Reflectors are compatible with respective Iolite housings manufactured by Nora Lighting.

CATALOG NO.	DESCRIPTION	LUMENS / WATTAGE
NHIOICD-48	ICAT New Construction	800-1000lm / 14W
NHIOICDP-48	Chicago Plenum	800-1000lm / 14W
NHIOICD-415	ICAT New Construction	1500lm / 20W
NHIOICDP-415	Chicago Plenum	1500lm / 20W
NHIOICD-420	ICAT New Construction	2000lm / 24W
NHIOICDP-420	Chicago Plenum	2000lm / 24W

Accessories: Reflectors will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 3. A trimless mud ring is required per reflector.

LABELS AND LISTINGS

- cULus Listed for Damp Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- RoHS Compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2019



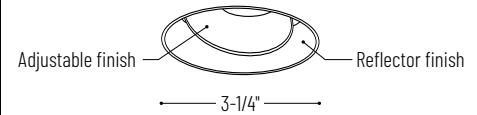
Type

Project

Catalog No.

Notes

PRODUCT IMAGES AND DIMENSIONS



NIO-4RTLA

Round Trimless Adjustable

Adjustability: 35° (800-1000lm) / 20° (1500-2000lm)



BB

Black Adjustable
Black Reflector



BW

Black Adjustable
White Reflector



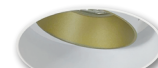
BZ

Bronze Adjustable
Bronze Reflector



CH

Champagne Haze Adjustable
Champagne Haze Reflector



CHMPW

Champagne Haze Adjustable
Matte Powder White Reflector



HW

Haze Adjustable
White Reflector



HZ

Haze Adjustable
Haze Reflector



HZMPW

Haze Adjustable
Matte Powder White Reflector



MPW

Matte Powder White Adjustable
Matte Powder White Reflector



WW

White Adjustable
White Reflector

4" Iolite Round Trimless Adjustable Reflector - New Construction Housing & Trimless Mud Ring Required

Reflector Type	Color Temp.	Finish	Lumens / Wattage
NIO-4RTLA = Round Trimless Adjustable	27X = 2700K	BB = Black	(blank) = 800lm / 14W
	30X = 3000K	BW = Black / White	/10 = 1000lm / 14W
	35X = 3500K	BZ = Bronze	/HL = 1500-2000lm
	40X = 4000K	CH = Champagne Haze	(varies by housing)
	50X = 5000K	CHMPW = Champagne Haze / Matte Powder White	
	CDX = Comfort Dim [†]	HW = Haze / White	
		HZ = Haze	
		HZMPW = Haze / Matte Powder White	
		MPW = Matte Powder White	
		WW = White	

[†] Comfort Dim technology available in 800lm & uses non-Cree COB modules. 1" & 2" Iolite uses a different dimming curve than 4" Comfort Dim

Example: NIO-4RTLA27XWW / NIO-TLMR-4R = 4" Iolite Round Trimless Adjustable Reflector, 2700K, White finish, 800lm / 4" Round Trimless Mud Ring

Compatible Housings

Housing Type
NHIOICD-48 = ICAT New Construction / 800-100lm / 14W
NHIOICDP-48 = Chicago Plenum / 800-100lm / 14W
NHIOICD-415 = ICAT New Construction / 1500lm / 20W
NHIOICDP-415 = Chicago Plenum / 1500lm / 20W
NHIOICD-420 = ICAT New Construction / 2000lm / 24W
NHIOICDP-420 = Chicago Plenum / 2000lm / 24W

4" Iolite Trimless Mud Ring

Description
NIO-TLMR-4R = 4" Round Trimless Mud Ring

4" Iolite Accessories

4" Iolite Round Trimless Adjustable Reflector

Type

Project

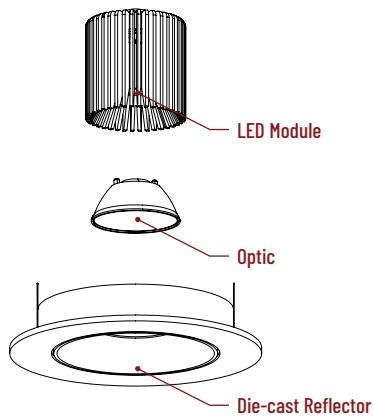
Catalog No.

Notes

FIELD CHANGEABLE OPTICS

Iolite reflectors include spot, narrow flood and flood optics. Optics can be changed in the field by removing LED module from die-cast reflector. Replacement optics include an optional frosted lens.

Note: Frosted filter-optics and Premium TIR optics are not compatible with /HL LED modules.



Frosted Filter-Optic

NIO-REFL15FR
NIO-REFL25FR
NIO-REFL38FR
NIO-REFL60FR

15° Optic
25° Optic
38° Optic
60° Optic

Optic assembly includes optional frosted lens. 25°, 38° and 60° optics are included with 800lm and 1000lm reflector.
Not compatible with /HL LED module.



Premium TIR Optics

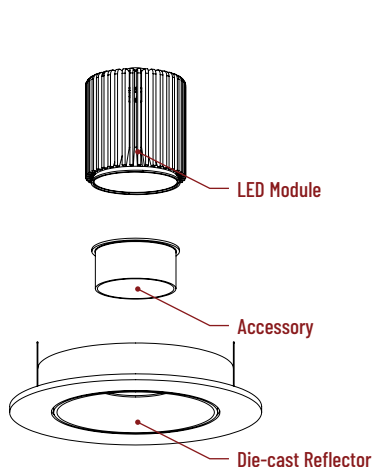
NIO-REFLTIR15
NIO-REFLTIR25

15° Optic
25° Optic

Not compatible with /HL LED module or Comfort Dim (CDX) technology

ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between LED module and die-cast reflector. Luminaire will accommodate (1) hex louver and (1) collar accessory, no accessory holder required.



Translucent Decorative Collar

NIO-AS14(color) 5/8" length
NIO-AS19(color) 3/4" length
NIO-AS26(color) 1" length
Color:
AM (amber), BLU (blue), FR (frosted), R (red)

Translucent collars color the aperture with the specified color while producing white general light. Collars are available in different lengths. Use to add interest, create a theme, match a theme or define a space.



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)

Opaque snoot greatly reduces aperture brightness while preserving light output. (Note: Black snoot will reduce light)

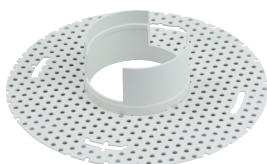


Hex Cell Louver

NIO-HC Black
Hex cell louver subtly reduces aperture brightness by reducing light output by about 20%.

TRIMLESS

4" Iolite trimless reflectors have no exposed trim flange and the result is a minimalist knife edge appearance. A trimless mount mud ring is installed after the drywall and a professional drywall finisher floats the ceiling to blend in the mud ring.



Trimless Mount Mud Ring

NIO-TLMR-4R

Round Mud Ring

Mounts trimless reflector with no exposed flange and no extension beyond ceiling plane. Mud ring attaches to drywall. **Only for use with NHIOICD-48, NHIOICDP-48, NHIOICD-415, NHIOICDP-415, NHIOICD-420 or NHIOICDP-420 new construction housings and NIO-4RTL reflectors.**

Dimensions: 7-7/8" diameter 1/2" thick