NIO-4RTLA

4" Iolite Round Trimless Adjustable with 10° Optic

Source: 12W
850lm

Type	
Project	
Catalog No.	
Notes	

PRODUCT DESCRIPTION

4" Trimless Iolite adjustable downlights 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
· Delivering up to 8163 center beam candlepower (CBCP)
· 2700K, 3000K, 3500K, 4000K @ 90+ CRI
· 10° TIR optic delivers luminous intensity of higher lumen downlights
· 35° adjustability
· 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 trim and transfer heat.

Mounting: Luminaire includes stainless steel friction clips to mount securely to trimless mud ring. Mud ring is required per trimless downlight.

OPTIC

Each luminaire includes 10° TIR optic (Note: cannot be changed in the field)
Luminaire is also available with field changeable optics, Click Here for more information.

ELECTRICAL

Lumens / Wattage: 850lm / 12W
Color Temperature: 2700K, 3000K, 3500K, 4000K
Color Rendering Index: 90+CRI
Operating Temperature: Specified by housing
Lifetime: 50,000 hours @ L70
Dimming: Specified by housing

COMPATIBLE HOUSINGS

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

CATALOG NO.	DESCRIPTION
NHIOICD-48LE4	ICAT New Construction, 120-277V; Triac / ELV / 0-10V
NHIOICD-48LUPEQ	ICAT New Construction, 120/277V; Lutron EcoSystem
NHIOICDCP-48LE4	Chicago Plenum, 120-277V; Triac / ELV / 0-10V
NHIOICDCP-48LUPEQ	Chicago Plenum, 120/277V; Lutron EcoSystem

Accessories: Luminaire will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 2. A trimless mud ring is required per trimless (NIO-TLMR-4RA).
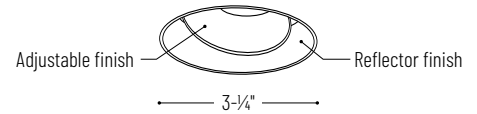
LABELS AND LISTINGS

· cULus Listed for Damp Locations
· ENERGY STAR certified
· 5-Year Limited Warranty
· RoHS Compliant
· Certified to the high efficacy requirements of California Title 24 JA8-2022

Performance Data

Part Number	Lumens	CCT	CBCP
NIO-4RTLA40QWW	884lm	4000K	8163 cd

Delivered lumens will vary depending on CCT and finish

PRODUCT IMAGES AND DIMENSIONS

Adjustable finish — Reflector finish
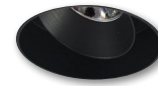3-¼"

NIO-4RTLA
Round Trimless Adjustable
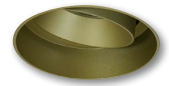Adjustability: 35°

BB
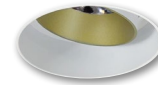Black Adjustable
Black Reflector

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 with 10° Optic - New Construction Housing & Trimless Mud Ring Required

Type	Color Temperature	Finish
NIO-4RTLA = Round Trimless Adjustable	**27Q** = 2700K	**BB** = Black
	30Q = 3000K	**BW** = Black / White
	35Q = 3500K	**BZ** = Bronze
	40Q = 4000K	**CH** = Champagne Haze
		CHMPW = Champagne Haze / Matte Powder White
		HW = Haze / White
		HZ = Haze
		HZMPW = Haze / Matte Powder White
		MPW = Matte Powder White
		WW = White

Compatible Housings

Housing Type
NHIOICD-48LE4 = ICAT New Construction; Triac / ELV / 0-10V
NHIOICD-48LUPEQ = ICAT New Construction; Lutron EcoSystem
NHIOICDCP-48LE4 = Chicago Plenum; Triac / ELV / 0-10V
NHIOICDCP-48LUPEQ = Chicago Plenum; Lutron EcoSystem

4" Iolite Trimless Mud Ring

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

Example: **NIO-4RTLA40QWW / NIO-TLMR-4RA** = 4" Iolite Round Trimless Adjustable with 10° Optic, 4000K, White finish / Round Trimless Mud Ring
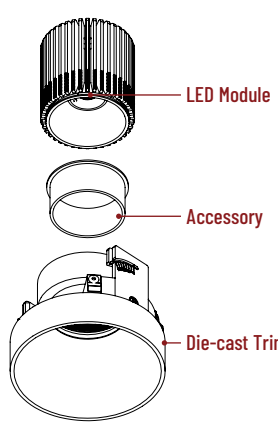
4" Iolite Accessories
4" Iolite Round Trimless Adjustable with 10° Optic

ACCESSORIES

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

— **LED Module**

— **Accessory**

— **Die-cast Trim**

Translucent Decorative Collar

NIO-AS14**(color)**	⅝" length
NIO-AS19**(color)**	¾" 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.
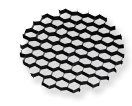
Opaque Collar Snoot

NIO-AS14**(color)**	⅝" length
NIO-AS19**(color)**	¾" length
NIO-AS26**(color)**	1" length

Color:
MPW (matte powder white), **WH** (white)

Opaque snoot greatly reduces aperture brightness while preserving light output.

Hex Cell Louver

NIO-HC   Black

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

TRIMLESS MUD RING

4" Iolite trimless has 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.

Mud Ring

NIO-TLMR-4RA   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, NHIOICDCP-48 new construction housings and NIO-4RTLA.**
Dimensions: 7-⅞" diameter ½" thick

SUCTION CUP

Assist removing trimless reflector from finished ceiling after installation.
For maintenance on downlight, housing and/or driver.

Suction Cup for Removal

NIO-TLSUCTION

032423P2

PHOTOMETRICS
4" Iolite Round Trimless Adjustable with 10° Optic
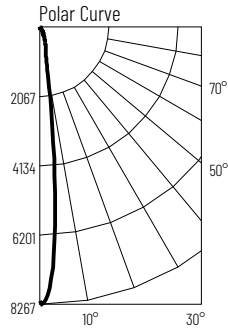
Type _____

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Test Information

Test Number: NTR1899R1
Part Number: NIO-4RTLA40QWW
Beam Spread: 12° Spot
Lumens: 884lm
Wattage: 12.41W
Efficacy: 71lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.22
Spacing Criteria (90°-270°): 0.22

Polar Curve

Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	227fc	1'-2"
8'	128fc	1'-8"
10'	81.6fc	2'-1"
12'	56.7fc	2'-6"
14'	41.6fc	2'-11"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	700	79.2
0-40	790	89.4
0-60	870	98.4
0-90	884	100
90-180	0	0
0-180	884	100

Candela Table

Vertical Angles	Candela
0	8163
5	5084
15	689
25	323
35	136
45	64

Lumen Output Multipliers
Color Temperature: 2700K (0.9), 3000K (0.96), 3500K (0.96), 4000K (1.00)