

NIO-4RTSLA

4" Iolite Round Trimless Adjustable Slot

Source: 14W

800lm or 1000lm

PRODUCT DESCRIPTION

4" Trimless Iolite adjustable downlight has 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 construction optimizes visual cut-off and adjust up to 35°.

FEATURES

- Trimless knife edge appearance
- 800lm or 1000lm LED packages
- 2700K, 3000K, 3500K, 4000K, 5000K @ 90+ CRI
- Comfort Dim (warm dimming) also available in 800lm only
- 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.

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

OPTICS

Each luminaire includes field changeable optics (23° spot, 38° narrow flood and 55° flood - preinstalled). Premium 15° and 25° TIR optics are also available.

ELECTRICAL

Lumens / Wattage: 800lm or 1000lm / 14W

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: Specified by housing

COMPATIBLE HOUSINGS

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

CATALOG NO.	DESCRIPTION	LUMENS / WATTAGE
NHIOICD-48	ICAT New Construction	800-1000lm / 14W
NHIOICDCP-48	Chicago Plenum	800-1000lm / 14W

Accessories: Luminaire will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 2. A mud ring ([NIO-TLMR-4R](#)) or flange accessory ([NIO-4RTFA](#)) is required per trimless.

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.

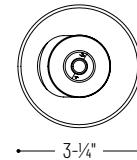
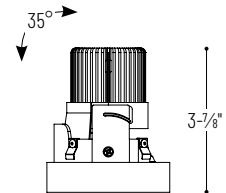
Notes

Performance Data

Part Number	Lumens	CCT	Optic
NIO-4RTSLA40XMPW/10	1197lm	4000K	Spot
NIO-4RTSLA40XMPW/10	1194lm	4000K	Narrow
NIO-4RTSLA40XMPW/10	1170lm	4000K	Flood

Delivered lumens will vary depending on CCT, optic and finish

PRODUCT IMAGES AND DIMENSIONS



NIO-4RTSLA
Round Trimless Adjustable Slot



BB
Black



BZ
Bronze



CH
Champagne Haze



HZ
Haze



MPW
Matte Powder White



WW
White

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

Type	Color Temperature	Finish	Lumens / Wattage
NIO-4RTSLA = Round Trimless Adjustable Slot	50X = 5000K*	BB = Black	(blank) = 800lm / 14W
	CDX = Comfort Dim†	BZ = Bronze	
	27X = 2700K	CH = Champagne Haze	/10 = 1000lm / 14W
	30X = 3000K	HZ = Haze	
	35X = 3500K	MPW = Matte Powder White	
	40X = 4000K	WW = White	
	50X = 5000K		

* 5000K LED modules in 800lm are while supplies last

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

Compatible Housings

Housing Type

NHIOICD-48 = ICAT New Construction / 800-1000lm / 14W
NHIOICDCP-48 = Chicago Plenum / 800-1000lm / 14W

4" Iolite Trimless Mud Ring

Description

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

Example: **NIO-4RTSLA50XWW / NIO-TLMR-4RA** = 4" Iolite Round Trimless Adjustable Slot, 5000K, White finish, 800lm / 4" Round Trimless Mud Ring

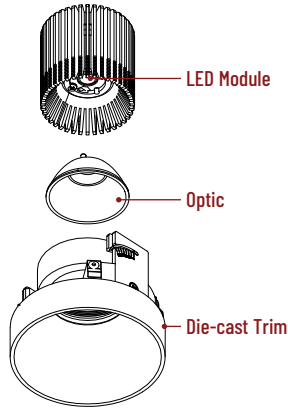
4" Iolite Accessories

4" Iolite Round Trimless Adjustable Slot

Type
Project
Catalog No.
Notes

FIELD CHANGEABLE OPTICS

Iolite luminaires include spot, narrow flood and flood optics. Optics can be changed in the field by removing LED module from die-cast trim. Replacement optics include an optional frosted lens. **Note: Premium TIR optics are not compatible with Comfort Dim LED modules.**



Frosted Filter-Optic

NIO-REFL15FR	15° Optic
NIO-REFL25FR	23° Optic
NIO-REFL38FR	38° Optic
NIO-REFL60FR	55° Optic

Optic assembly includes optional frosted lens. 23°, 38° and 55° optics are included with 800lm and 1000lm luminaires.



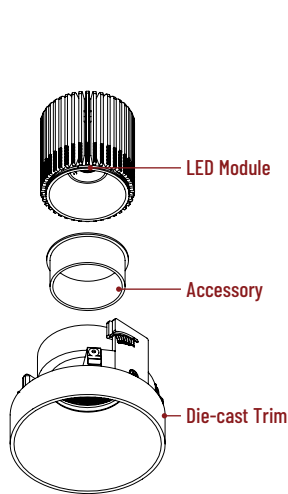
Premium TIR Optics

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

Premium TIR (total internal reflection) optics create optimal spot and narrow flood beam spread. **Not compatible with 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 trim. 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
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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
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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-4RTSLA.**
Dimensions: 7-7/8" diameter 1/2" thick

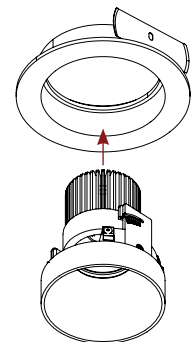
FLANGE ACCESSORY

4" Iolite trimless can be converted into flanged trim. Flange accessory allows trim to be used with remodel and new construction housings. Accessory does not require mud ring or professional drywall installation.



Flange Accessory

NIO-4RTFABB	Black Flange
NIO-4RTFABZ	Bronze Flange
NIO-4RTFACH	Champagne Haze Flange
NIO-4RTFAHZ	Haze Flange
NIO-4RTFAMPW	Matte Powder White Flange
NIO-4RTFAWH	White Flange



PHOTOMETRICS

4" Iolite Round Trimless Adjustable Slot
1000 lumens

Type

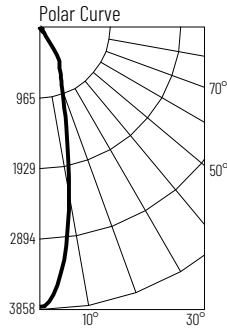
Project

Catalog No.

Notes

Test Information

Test Number: NTR1860R1
Part Number: N10-4RTSLA40XMPW
Beam Spread: 23° Spot
Lumens: 1197lm
Wattage: 13.75W
Efficacy: 87lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.4
Spacing Criteria (90°-270°): 0.4



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	239fc	1'-7"
6'	106fc	2'-6"
8'	59.8fc	3'-4"
10'	38.2fc	4'-1"
12'	26.6fc	4'-11"

Zonal Lumen Summary

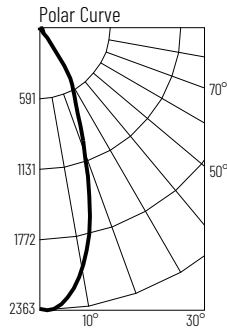
Zone	Lumens	% Luminaire
0-30	983	82.2
0-40	1117	93.3
0-60	1174	98.1
0-90	1197	100
90-180	0	0
0-180	1197	100

Candela Table

Vertical Angles	Candela
0	3824
5	3240
15	1433
25	684
35	204
45	44

Test Information

Test Number: NTR1859R1
Part Number: N10-4RTSLA40XMPW
Beam Spread: 38° Narrow Flood
Lumens: 1194lm
Wattage: 13.78W
Efficacy: 87lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.64
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	147fc	2'-10"
6'	65.3fc	4'-2"
8'	36.7fc	5'-7"
10'	23.5fc	7'
12'	16.3fc	8'-4"

Zonal Lumen Summary

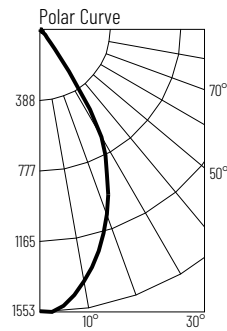
Zone	Lumens	% Luminaire
0-30	983	82.3
0-40	1112	93.1
0-60	1170	98
0-90	1194	100
90-180	0	0
0-180	1194	100

Candela Table

Vertical Angles	Candela
0	2351
5	2302
15	1630
25	729
35	185
45	37

Test Information

Test Number: NTR1858R1
Part Number: N10-4RTSLA40XMPW
Beam Spread: 55° Flood
Lumens: 1170lm
Wattage: 13.76W
Efficacy: 85lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.84
Spacing Criteria (90°-270°): 0.82



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	96.9fc	4'-2"
6'	43.1fc	6'-4"
8'	24.2fc	8'-5"
10'	15.5fc	10'-6"
12'	10.8fc	12'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	879	75.1
0-40	1074	91.8
0-60	1144	97.8
0-90	1170	100
90-180	0	0
0-180	1170	100

Candela Table

Vertical Angles	Candela
0	1550
5	1526
15	1260
25	880
35	282
45	43

Lumen Output Multipliers

Color Temperature: 2700K (0.83), 3000K (0.86), 3500K (0.89), 4000K (1.00), 5000K (1.01)