

NIO-4RTLND

4" Iolite Round Trimless Downlight

Source: 14W to 28W LED
800lm to 2500lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

4" Trimless Iolite 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. Deep regressed cone reflectors optimize visual cut-off.

FEATURES

- Trimless knife edge appearance
- 800lm, 1000lm, 1500lm, 2000lm or 2500lm LED packages
- 2700K, 3000K, 3500K, 4000K, 5000K @ 90+ CRI
- Comfort Dim (warm dimming) also available
- 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

800-1000lm: Three field changeable optics (spot, narrow flood and flood) are included with each LED module. Premium 10° TIR narrow spot optic assembly also available ([Click Here](#) for more information). Optional frosted and TIR optics are also available.

1500-2500lm: Three field changeable TIR optics (spot, narrow flood and flood) are included with each LED module.

ELECTRICAL

Lumens / Wattage:

800lm / 14W, 1000lm / 14W, 1500lm / 20W,
2000lm / 24W, 2500lm / 28W

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 (800lm) or 3000K (HL), to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm or HL (1500lm-2500lm).

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
NHIOICD-415	ICAT New Construction	1500lm / 20W
NHIOICDCP-415	Chicago Plenum	1500lm / 20W
NHIOICD-420	ICAT New Construction	2000lm / 24W
NHIOICDCP-420	Chicago Plenum	2000lm / 24W
NHIOICD-425	ICAT New Construction	2500lm / 28W
NHIOICDCP-425	Chicago Plenum	2500lm / 28W

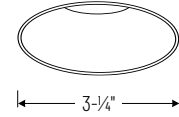
Accessories: Luminaire will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 2. A mud ring ([NIO-TLMR-4R](#)) or flange accessory ([NIO-4RTFA](#)) is required per trimless.

LABELS AND LISTINGS

- cULus Listed for Wet Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- RoHS Compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



PRODUCT IMAGES AND DIMENSIONS



NIO-4RTLND
Round Trimless Downlight
Non-Adjustable



BB
Black Reflector



BZ
Bronze Reflector



HZ
Haze Reflector



MPW
Matte Powder White Reflector



WW
White Reflector

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

Color Temperature	Finish	Lumens / Wattage
NIO-4RTLND50X = 5000K*	BB = Black	(blank) = 800lm / 14W
NIO-4RTLNDCCDX = Comfort Dim†	BZ = Bronze	
NIO-4RTLND27X = 2700K	HZ = Haze	/I0 = 1000lm / 14W
NIO-4RTLND30X = 3000K	MPW = Matte Powder White	/HL = 1500-2500lm
NIO-4RTLND35X = 3500K	WW = White	(varies by housing)
NIO-4RTLND40X = 4000K		
NIO-4RTLND50X = 5000K		
NIO-4RTLNDCCDX = Comfort Dim†		

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

† Comfort Dim available in 800lm only and † 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
NHIOICD-415 = ICAT New Construction / 1500lm / 20W
NHIOICDCP-415 = Chicago Plenum / 1500lm / 20W
NHIOICD-420 = ICAT New Construction / 2000lm / 24W
NHIOICDCP-420 = Chicago Plenum / 2000lm / 24W
NHIOICD-425 = ICAT New Construction / 2500lm / 28W
NHIOICDCP-425 = Chicago Plenum / 2500lm / 28W

4" Iolite Trimless Mud Ring or Flange Accessory

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

Example: **NIO-4RTLND50XWW / NIO-TLMR-4RA** = 4" Iolite Round Trimless Reflector, 5000K, White finish, 800lm / 4" Round Trimless Mud Ring

4" Iolite Accessories

4" Iolite Round Trimless Downlight

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FIELD CHANGEABLE OPTICS

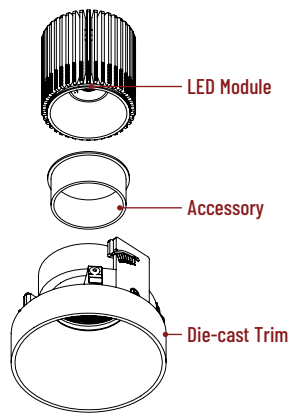
Iolite luminaires include spot, narrow flood and flood optics. Optics can be changed in the field by removing LED module from die-cast trim. Replacement optics include an optional frosted lens. **Note: Frosted and Premium TIR optics are not compatible with /HL LED modules.**



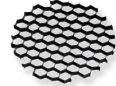


 <p>Frosted Optics</p> <p>NIO-REFL38FR 60° Optic NIO-REFL60FR 73° Optic</p> <p>Optic assembly includes optional frosted lens. 23°, 38° and 55° optics are included with 800lm and 1000lm luminaires.</p>	 <p>Premium TIR Optics</p> <p>NIO-REFLTIR15 22° Optic NIO-REFLTIR25 26° Optic</p> <p>Not compatible with /HL, Comfort Dim (CDX) LED modules or Hex Cell Louver.</p>	 <p>10° TIR Optic Assembly</p> <p>Specialized narrow spot LED module assembly is also available. Requires LE4 housing. Click Here for more information.</p>	 <p>Suction Cup</p> <p>NIO-TLSUCTION</p> <p>Assist removing trimless downlight from finished ceiling after installation.</p>
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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.



 <p>Translucent Decorative Collar</p> <p>NIO-AS14(color) 5/8" length NIO-AS19(color) 3/4" length NIO-AS26(color) 1" length</p> <p>Color: AM (amber), BLU (blue), FR (frosted), R (red)</p> <p>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.</p>	 <p>Opaque Collar Snoot</p> <p>NIO-AS14(color) 5/8" length NIO-AS19(color) 3/4" length NIO-AS26(color) 1" length</p> <p>Color: MPW (matte powder white), WH (white)</p> <p>Opaque snoot greatly reduces aperture brightness while preserving light output.</p>	 <p>Hex Cell Louver</p> <p>NIO-HC Black</p> <p>Hex cell louver subtly reduces aperture brightness by reducing light output by about 20%.</p> <p>Hex cell louver is not compatible with TIR optics.</p>
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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-4RTLNDNC.**

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

