

# NIO-4RTSLA

## 4" Iolite Round Trimless Adjustable Slot with 10° Optic

Source: 12W  
850lm

### 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 construction optimizes visual cut-off and adjust up to 35°.

### FEATURES

- Trimless knife edge appearance
- Delivering up to 8904 center beam candlepower (CBCP)
- 2700K, 3000K, 3500K, 4000K @ 90+ CRI
- 10° TIR optic delivers luminous intensity of higher lumen downlights
- 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.

### 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  |
|-----------------------------------|--|
| <a href="#">NHIOICD-48LE4</a>     | ICAT New Construction, 120-277V; Triac / ELV / 0-10V |
| <a href="#">NHIOICD-48LUPEQ</a>   | ICAT New Construction, 120/277V; Lutron EcoSystem    |
| <a href="#">NHIOICDCP-48LE4</a>   | Chicago Plenum, 120-277V; Triac / ELV / 0-10V        |
| <a href="#">NHIOICDCP-48LUPEQ</a> | 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 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 JA8-2022



Type

Project

Catalog No.

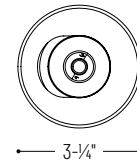
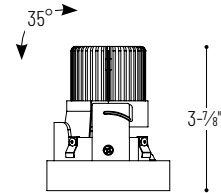
Notes

### Performance Data

| Part Number            | Lumens | CCT   | CBCP    |
|------------------------|--------|-------|---------|
| <b>NIO-4RTSLA40QWW</b> | 895lm  | 4000K | 8904 cd |

*Delivered lumens will vary depending on CCT and finish*

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

| Type   | Color Temperature  | Finish                          |
|--|--------------------|---------------------------------|
| <b>NIO-4RTSLA</b> = Round Trimless Adjustable Slot | <b>270</b> = 2700K | <b>BB</b> = Black               |
|  | <b>300</b> = 3000K | <b>BZ</b> = Bronze              |
|  | <b>350</b> = 3500K | <b>CH</b> = Champagne Haze      |
|  | <b>400</b> = 4000K | <b>HZ</b> = Haze                |
|  |                    | <b>MPW</b> = Matte Powder White |
|  |                    | <b>WW</b> = 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-4RTSLA40QWW / NIO-TLMR-4RA** = 4" Iolite Round Trimless Adjustable Slot with 10° Optic, 4000K, White finish / Round Trimless Mud Ring

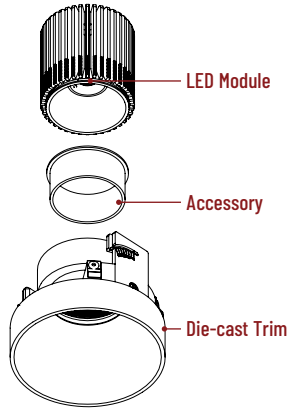
# 4" Iolite Accessories

## 4" Iolite Round Trimless Adjustable Slot with 10° Optic

|             |
|-------------|
| Type        |
| Project     |
| Catalog No. |
| Notes       |

### 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:**  
**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-4RTSLA.**  
 Dimensions: 7-7/8" diameter 1/2" thick

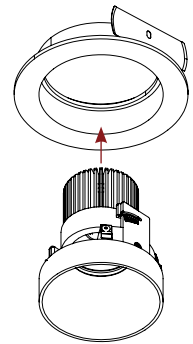
### FLANGE ACCESSORY

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 with 10° Optic

Type \_\_\_\_\_

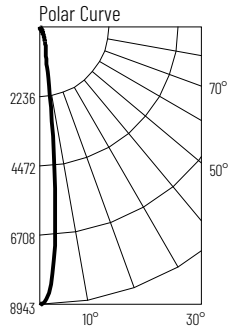
Project \_\_\_\_\_

Catalog No. \_\_\_\_\_

Notes \_\_\_\_\_

### Test Information

Test Number: NTR1914R1  
 Part Number: NIO-4RTSLA400QWW  
 Beam Spread: 12° Spot  
 Lumens: 895lm  
 Wattage: 12.44W  
 Efficacy: 72lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 0.22  
 Spacing Criteria (90°-270°): 0.22



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6'                      | 247fc       | 1'-4"         |
| 8'                      | 139fc       | 1'-10"        |
| 10'                     | 89fc        | 2'-2"         |
| 12'                     | 61.8fc      | 2'-8"         |
| 14'                     | 45.4fc      | 3'-1"         |

### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 784    | 87.6        |
| 0-40   | 863    | 96.4        |
| 0-60   | 886    | 99          |
| 0-90   | 895    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 895    | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 8904    |
| 5               | 5940    |
| 15              | 775     |
| 25              | 338     |
| 35              | 134     |
| 45              | 13      |

### Lumen Output Multipliers

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