

# NIOP-2RCY

## 2" iPOINT Cylinder Monopoint

Source: 14W LED  
1000lm

Type \_\_\_\_\_

Project \_\_\_\_\_

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

Notes \_\_\_\_\_

### PRODUCT DESCRIPTION

The iPOINT LED monopoint is the newest addition to the Iolite family. iPOINT luminaires require an Iolite housing, allowing the fixture to maintain a minimal canopy and sleek appearance. iPOINT fixtures produce from 1000 lumens at 4000K / 90+ CRI. Similar to Iolite reflectors, each iPOINT includes spot, narrow flood and flood optics which can be easily changed in the field. iPOINT is available in Cylinder or Cone styles in black or matte powder white. iPOINT luminaires can be dimmed with Triac, ELV, 0-10V or Lutron Hi-lume EcoSystem.

### FEATURES

- Small appearance resembles a monopoint fixture
- LED COB technology
- Field changeable optics (three included)
- 5-Year limited warranty

### SPECIFICATION

**Construction:** Low voltage luminaires are constructed of die-cast aluminum to dissipate heat. Fixtures' stem allows for vertical adjustment up to 85° and 359° rotation.

**Mounting:** Luminaires includes friction blades to mount securely to housing.

**Field Changeable Optics:** Each luminaire includes a spot, narrow flood and flood (pre-installed) optics. Fixture includes suction cup to assist in optic replacement.

**Finishes:** iPOINT is available in matte powder white or black. Matte powder white luminaire includes black insert for an additional appearance.

### ELECTRICAL

**Lumens:** 1000lm (varies by finish and optic)

**Color Temperature:** 4000K

**Color Rendering Index:** 90+CRI

**Beam Spread:** 27° Spot, 34° Narrow Flood, 46° Flood

**Operating Temperature:** 0°C to 40°C ambient temperature

**Lifetime:** 50,000 hours @ L70

**Dimming:** Specified by housing

### COMPATIBLE HOUSINGS

Reflectors **require** an Iolite housing manufactured by Nora Lighting.

CATALOG NO.	DESCRIPTION
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NHIOICD-28	2" IC Air-Tight New Construction
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NHIOICDCP-28	2" Chicago Plenum New Construction
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NHRIOIC-28	2" IC Air-Tight Remodel
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### LABELS AND LISTINGS

- cULus Listed for Damp Location
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2022



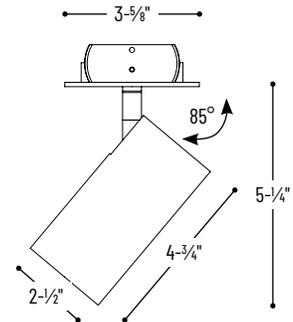
### PRODUCT IMAGES & DIMENSIONS



**BB**  
Black Interior  
Black Exterior



shown with  
black insert  
**MPW**  
Matte Powder White Interior  
Matte Powder White Exterior



## 2" iPOINT Cylinder Monopoint - Dedicated Housing Required

Finish

NIOP-2RCY40XBB = Black Interior / Black Exterior

NIOP-2RCY40XMPW = Matte Powder White Interior / Matte Powder White Exterior

Example: NIOP-2RCY40XMPW = 2" iPOINT Cylinder, 4000K / 90 CRI, Matte Powder White finish

# NHIOICD-28 / NHIOICDCP-28

2" Iolite IC Air-Tight New Construction Housing

Source: 12W or 13W LED

800lm or 1000lm

Type

Project

Catalog No.

Notes

## PRODUCT DESCRIPTION

New construction housing for use in insulated ceilings can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling. Patented design allows for easy, tool-less removal of the driver.

## SPECIFICATION

**Housing:** 0.040" Aluminum shallow housing can be installed in 1/2" ceiling thickness, an extension collar (NIO-2EXTC2) is available for ceiling thickness up to 2".

**Patented Driver Assembly:** Allows driver to slide out of housing without tools from the room side.

**Air Flow Restriction:** Meets requirements of Air-Tight (AT) <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

**Clearance:** "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray foam insulation.

**Bar Hangers:** Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on housing. Bar hangers are parallel to junction box, but can be repositioned 90° perpendicular to junction box if desired. "L"-shaped bar hanger foot to align to bottom of construction joist. A T-bar notch allows for easy installation in a suspended ceiling.

**Junction Box:** Pre-wired 25 cubic inch 0.064" thick galvanized steel, with seven 1/2" knockouts, four Romex® pryouts, and snap on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Maximum of 8 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box. Junction box is accessible from the room side through housing opening.

ELECTRICAL	LE3	LE4	LUPEQ
<b>Input Voltage</b>	120V	120-277V	120/277V
<b>Input Power</b>	13W	12W	13W
<b>Power Factor</b>	≥0.90		
<b>Dimming</b>	Triac / ELV	Triac / ELV / 0-10V	Lutron EcoSystem
<b>Operating Temp.</b>	40°C max.		

## COMPATIBLE TRIMS & MONOPOINTS

CATALOG NO.	DESCRIPTION
<a href="#">NIOB-2RC</a>	2" Round Adjustable Cone Regress
<a href="#">NIOB-2SC</a>	2" Square Adjustable Cone Regress
<a href="#">NIOB-2RG</a>	2" Round Adjustable Surface Gimbal
<a href="#">NIOB-2SG</a>	2" Square Adjustable Surface Gimbal
<a href="#">NIOB-2RNDCL</a>	2" Round Deep Reflector
<a href="#">NIOB-2SNDCL</a>	2" Square Deep Reflector
<a href="#">NIOB-2RPH</a>	2" Round Pinhole
<a href="#">NIOB-2RPHA</a>	2" Round Adjustable Pinhole
<a href="#">NIOB-2RSL</a>	2" Round Adjustable Slot Aperture
<a href="#">NIOB-2RNB</a>	2" Round Bullnose
<a href="#">NIOB-2SNB</a>	2" Square Bullnose
<a href="#">NIOB-2SNDSQ</a>	2" Square Reflector / Square Aperture
<a href="#">NIO-2RTLAL</a>	2" Round Trimless Adjustable Reflector
<a href="#">NIO-2RTLNDCL</a>	2" Round Trimless Reflector
<a href="#">NIOB-2RCY</a>	2" iPOINT Cylinder
<a href="#">NIOB-2RTC</a>	2" iPOINT Cone

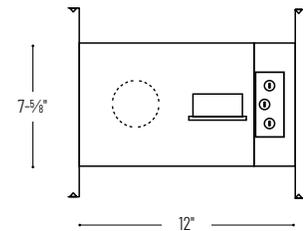
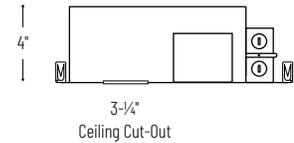
**Emergency:** Housing can be specified with connections for emergency battery installation. Requires access above the ceiling. Must specify battery with remote test switch separately, [NEPK-07LEDUNV](#). *Note: Emergency is not compatible with Chicago plenum housings.*

## LABELS AND LISTINGS

- cULus Listed for Damp Location (Wet Location when used with compatible trim)
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- RoHS Compliant
- FCC compliant
- Patent #D824567S
- Meets or exceeds ASTM-283 Air-tight requirements



## PRODUCT IMAGES AND DIMENSIONS



## 2" Iolite IC Air-Tight New Construction Housing - Compatible with NIOB-2, NIO-2 & NIOB-2

Housing Type	Driver / Dimming	Optional Emergency
<b>NHIOICD-28</b> = IC Air-Tight	<b>LE3</b> = 120V input; Triac / ELV dimming <b>LE4</b> = 120-277V input; Triac / ELV / 0-10V dimming <b>LUPEQ</b> = 120/277V input; Lutron Hi-lume Premier 0.1% EcoSystem with Soft-On, Fade-to-Black (Consult factory)	<b>/PEM</b> = Pre-Wired for Remote Emergency
<b>NHIOICDCP-28</b> = Chicago Plenum	<b>LE3</b> = 120V input; Triac / ELV dimming <b>LE4</b> = 120-277V input; Triac / ELV / 0-10V dimming <b>LUPEQ</b> = 120/277V input; Lutron Hi-lume Premier 0.1% EcoSystem with Soft-On, Fade-to-Black (Consult factory)	

## Optional Accessories

Description
<b>NEPK-07LEDUNV</b> = Remote Emergency Battery w/Test Switch
<b>NIO-2EXTC2</b> = Ceiling Extension Collar up to 2"

Example: **NHIOICD-28LE3** = 2" Iolite IC Air-Tight New Construction Housing, 120V input; Triac / ELV dimming

# NHRIOIC-28LE4

2" Iolite IC Air-Tight Remodel Housing

Source: 12W LED

800lm or 1000lm

Type

Project

Catalog No.

Notes

## PRODUCT DESCRIPTION

Dedicated remodel housing for use in insulated ceilings can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling.

## SPECIFICATION

**Housing:** 0.030 steel can connects to integrated 0.040 steel structural arm with junction box and driver compartment. Integral spring brackets provided. Remodel housing swivels up to 35° depending on ceiling thickness. New construction flat frame available to convert remodel housing, must specify [NHIOFK-2](#).

**Air Flow Restriction:** Housing has factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

**Clearance:** "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray foam insulation.

**Mounting:** Four high-tension tempered steel springs secure remodel housing from 1/4" (min) to 5/8" (max) thick ceiling. Hole cutout template provided for convenience.

**Junction Box:** Pre-wired 25 cubic inch 0.064" thick galvanized steel, with five 1/2" knockouts and snap on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Maximum of 4 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box.

ELECTRICAL DATA	LE4
<b>Input Voltage</b>	120-277V
<b>Input Power</b>	12W
<b>Power Factor</b>	≥0.90
<b>Dimming</b>	Triac / ELV / 0-10V
<b>Operating Temperature</b>	25°C max.

## COMPATIBLE TRIMS & MONOPOINTS

CATALOG NO.	DESCRIPTION
<a href="#">NIOB-2RC</a>	2" Round Adjustable Cone Regress
<a href="#">NIOB-2SC</a>	2" Square Adjustable Cone Regress
<a href="#">NIOB-2RG</a>	2" Round Adjustable Surface Gimbal
<a href="#">NIOB-2SG</a>	2" Square Adjustable Surface Gimbal
<a href="#">NIOB-2RND</a>	2" Round Deep Reflector
<a href="#">NIOB-2SND</a>	2" Square Deep Reflector
<a href="#">NIOB-2RPH</a>	2" Round Pinhole
<a href="#">NIOB-2RPHA</a>	2" Round Adjustable Pinhole
<a href="#">NIOB-2RSL</a>	2" Round Adjustable Slot Aperture
<a href="#">NIOB-2RNB</a>	2" Round Bullnose
<a href="#">NIOB-2SNB</a>	2" Square Bullnose
<a href="#">NIOB-2SND</a>	2" Square Reflector / Square Aperture
<a href="#">NIOB-2RCY</a>	2" iPOINT Cylinder
<a href="#">NIOB-2RTC</a>	2" iPOINT Cone

**Accessory:** New construction flat frame ([NHIOFK-2](#)) allows access to junction box from the room side.

## LABELS AND LISTINGS

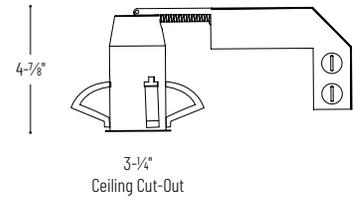
- cULus Listed for Damp Location (Wet Location when used with compatible trim)
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- RoHS Compliant
- FCC compliant
- Meets or exceeds ASTM-283 Air-Tight requirements



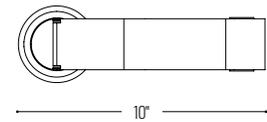
## PRODUCT IMAGES AND DIMENSIONS



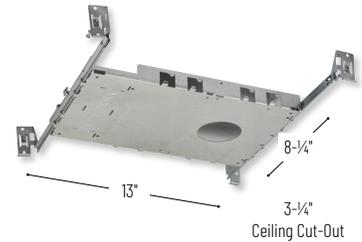
**NHRIOIC-28LE4**  
2" Iolite IC Air-Tight Remodel Housing



3-1/4"  
Ceiling Cut-Out



10"



**NHIOFK-2**  
New Construction Frame-In for 2" Remodel Housing

## 2" Iolite IC Air-Tight Remodel Housing - Compatible with NIOB-2 trims

Driver / Dimming

**NHRIOIC-28LE4** = 120-277V input; 120V Triac / ELV / 0-10V or 277V 0-10V dimming

## Optional Accessories

Description

**NHIOFK-2** = 2" New Construction flat frame with bar hangers

Example: **NHRIOIC-28LE4** = 2" Iolite IC Air-Tight Remodel Housing, 120-277V input; Triac / ELV / 0-10V dimming

# PHOTOMETRICS

2" iPOINT Cylinder Monopoint  
1000 lumens

Type

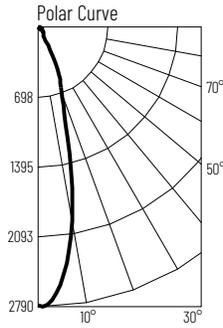
Project

Catalog No.

Notes

## Test Information

Test Number: NTR1485  
Part Number: NIOP-2RCY40XMPW  
Beam Spread: 27° Spot  
Lumens: 975lm  
Wattage: 13.36W  
Efficacy: 73lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180): 0.46  
Spacing Criteria (90°-270): 0.46



## Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	174fc	1'-11"
6'	77.2fc	2'-11"
8'	43.4fc	3'-10"
10'	27.8fc	4'-10"
12'	19.3fc	5'-10"

## Zonal Lumen Summary

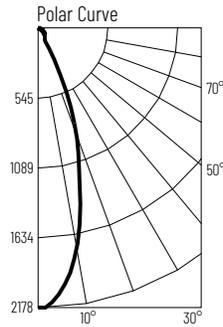
Zone	Lumens	% Luminaire
0-30	745	76.4
0-40	809	82.9
0-60	916	93.9
0-90	972	99.7
90-180	3	0.3
0-180	975	100

## Candela Table

Vertical Angles	Candela
0	2778
5	2584
15	1149
25	467
35	97
45	77

## Test Information

Test Number: NTR1486  
Part Number: NIOP-2RCY40XMPW  
Beam Spread: 34° Narrow Flood  
Lumens: 1006lm  
Wattage: 13.47W  
Efficacy: 75lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180): 0.56  
Spacing Criteria (90°-270): 0.58



## Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	136fc	2'-6"
6'	60.5fc	3'-8"
8'	34fc	4'-11"
10'	21.8fc	6'-2"
12'	15.1fc	7'-5"

## Zonal Lumen Summary

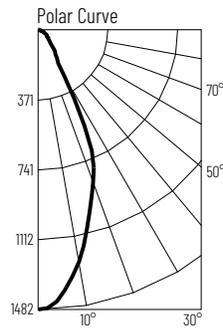
Zone	Lumens	% Luminaire
0-30	760	75.5
0-40	821	81.7
0-60	941	93.6
0-90	1002	99.7
90-180	3	0.3
0-180	1006	100

## Candela Table

Vertical Angles	Candela
0	2178
5	2058
15	1267
25	449
35	97
45	76

## Test Information

Test Number: NTR1487  
Part Number: NIOP-2RCY40XMPW  
Beam Spread: 46° Flood  
Lumens: 1001lm  
Wattage: 13.37W  
Efficacy: 75lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180): 0.72  
Spacing Criteria (90°-270): 0.72



## Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	92.6fc	3'-5"
6'	41.2fc	5'-1"
8'	23.2fc	6'-10"
10'	14.8fc	8'-6"
12'	10.3fc	10'-2"

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	691	69
0-40	803	80.2
0-60	931	92.9
0-90	998	99.6
90-180	4	0.4
0-180	1001	100

## Candela Table

Vertical Angles	Candela
0	1482
5	1415
15	1040
25	631
35	170
45	89