NIOB-2RC

2" Iolite Round Adjustable Cone Reflector with 10° Optic
Source: 12W
800lm

Type	
Project	
Catalog No.	
Notes	

PRODUCT DESCRIPTION

2" Iolite trims can be specified for use with Iolite new construction or remodel housings. Die-cast adjustable cone trims optimize visual cut-off and adjustable to aim the light source in desired direction.

FEATURES

· Delivering up to 8263 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 trim and transfer heat.

Mounting: Luminaire includes friction blades to mount securely to housing.

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: 800lm / 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-28LE4	ICAT New Construction, 120-277V; Triac / ELV / 0-10V
NHIOICD-28LUPEQ	ICAT New Construction, 120/277V; Lutron EcoSystem
NHIOICDCP-28LE4	Chicago Plenum, 120-277V; Triac / ELV / 0-10V
NHIOICDCP-28LUPEQ	Chicago Plenum, 120/277V; Lutron EcoSystem
NHRIOIC-28LE4	ICAT Remodel, 120-277V; Triac / ELV / 0-10V

Accessories: Luminaires can accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see accessories page. Flush mount mud ring is available to give the appearance of a trimless, compatible with new construction housings only.

LABELS AND LISTINGS

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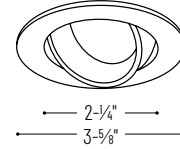· Certified to the high efficacy requirements of California Title 24 JA8-2022

Performance Data

Part Number	Lumens	CCT	CBCP
NIOB-2RC40QWW	838lm	4000K	8263 cd

Delivered lumens will vary depending on CCT and finish

PRODUCT IMAGES AND DIMENSIONS

2-¼"
3-⅝"

NIOB-2RC
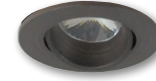Round Adjustable Cone Regressed Reflector
Adjustability:
New Construction: 30° / Remodel: 15°

BB
Black Reflector
Black Flange

BW
Black Reflector
White Flange

BZ
Bronze Reflector
Bronze Flange

CMPW
Specular Clear Reflector
Matte Powder White Flange

HW
Haze Reflector
White Flange

HZMPW
Haze Reflector
Matte Powder White Flange

MPW
Matte Powder White Reflector
Matte Powder White Flange

NN
Natural Metal Reflector
Natural Metal Flange

WW
White Reflector
White Flange

2" Iolite Round Adjustable Cone Reflector with 10° Optic - Dedicated Housing Required

Type	Color Temperature	Finish		
NIOB-2RC = Round Adjustable Cone	**270** = 2700K	**BB** = Black / Black		
	300 = 3000K	**BW** = Black / White		
	350 = 3500K	**BZ** = Bronze / Bronze		
	400 = 4000K	**CMPW** = Specular Clear / Matte Powder White		
		HW = Haze / White		
		HZMPW = Haze / Matte Powder White		
		MPW = Matte Powder White		
		NN = Natural Metal / Natural Metal		
		WW = White / White		

Compatible Housings

Housing Type
NHIOICD-28LE4 = ICAT New Construction; Triac / ELV / 0-10V
NHIOICD-28LUPEQ = ICAT New Construction; Lutron EcoSystem
NHIOICDCP-28LE4 = Chicago Plenum; Triac / ELV / 0-10V
NHIOICDCP-28LUPEQ = Chicago Plenum; Lutron EcoSystem
NHRIOIC-28LE4 = ICAT Remodel; Triac / ELV / 0-10V

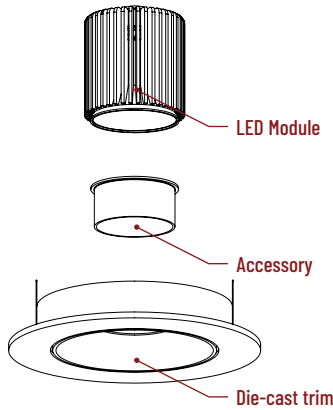Example: **NIOB-2RC30QWW** = 2" Iolite Round Adjustable Cone Reflector with 10° Optic, 3000K, White finish

032323P1

2" Iolite Accessories
2" Iolite Round Adjustable Cone Reflector

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.
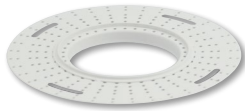
Hex Cell Louver

NIO-HC   Black

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

FLUSH MOUNT

2" Iolite trims can be installed flush with the drywall for a flush mount appearance. A flush mount mud ring is installed after the drywall and a professional drywall finisher floats the ceiling to blend in the mud ring.

Flush Mount Mud Ring

NIO-FMMR-2R   Round Mud Ring

Mounts trim flush to ceiling with flange visible.
Mud ring attaches to drywall. Only for use with NHIOICD-28 or NHIOICDCP-28 new construction housings and NIOB-2R trims.
Dimensions: 7-⅞" diameter ½" thick

PHOTOMETRICS
2" Iolite Round Adjustable Cone Reflector with 10° Optic
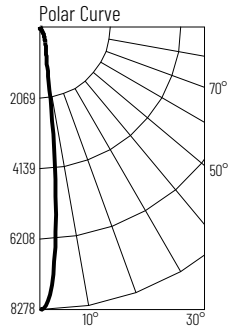
Type _____

Project _____

Catalog No. _____

Notes _____

Test Information

Test Number: NTR1903R1
Part Number: NIOB-2RC40QWW
Beam Spread: 12° Spot
Lumens: 838lm
Wattage: 12.4W
Efficacy: 68lpw
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
8'	129fc	1'-10"
10'	82.6fc	2'-2"
12'	57.4fc	2'-7"
14'	42.2fc	3'-1"
16'	32.3fc	3'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	723	86.3
0-40	784	93.5
0-60	819	97.7
0-90	838	100
90-180	0	0
0-180	838	100

Candela Table

Vertical Angles	Candela
0	8263
5	5435
15	723
25	723
35	83
45	24

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

032323P3