

NIOB-1RNB

1" Iolite BWF Round Bullnose
 Source: 9W or 10W LED
 600lm

Type
Project
Catalog No.
Notes

PRODUCT DESCRIPTION

1" Iolite BWF downlights can be specified for use with Iolite new construction or remodel housings. Bullnose trim with a filleted aperture which allows for minimal aperture brightness while still producing the nadir footcandles.

FEATURES

- 600lm / 9W or 10W
- 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 trim and transfer heat.

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

Field Changeable Optics: Three field changeable optics (spot, narrow flood and flood) are included with each LED module.

ELECTRICAL

Lumens / Wattage: 600lm / wattage varies by housing (9W / LE3 or 10W / LE4)

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 3000K, to a romantic and comfortable 1900K on a gradual, even curve.

Dimming: Specified by housing

COMPATIBLE HOUSINGS

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

CATALOG NO.	DESCRIPTION	LUMENS / WATTAGE
NHIOICD-16LE3	ICAT New Construction, 120V; Triac/ELV	600lm / 9W
NHIOICD-16LE4	ICAT New Construction, 120-277V; Triac/ELV/0-10V	600lm / 10W
NHIOICDCP-16LE3	Chicago Plenum, 120V; Triac/ELV	600lm / 9W
NHIOICDCP-16LE4	Chicago Plenum, 120-277V; Triac/ELV/0-10V	600lm / 10W
NHRIOIC-16LE4	ICAir-Tight Remodel, 120-277V; Triac/ELV/0-10V	600lm / 10W

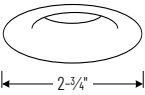
Accessories: Luminaires will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see accessories page. Flush mount mud ring is available to give the appearance of a trimless reflector, compatible with new construction housing only.

LABELS AND LISTINGS

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



PRODUCT IMAGES & DIMENSIONS



NIOB-1RNB
 Round Bullnose
 Non-Adjustable



BB
 Black



BZ
 Bronze



MPW
 Matte Powder White



NN
 Natural Metal



WW
 White

1" Iolite BWF Round Bullnose - Dedicated Housing Required

Color Temperature	Finish
NIOB-1RNB27X = 2700K	BB = Black
NIOB-1RNB30X = 3000K	BZ = Bronze
NIOB-1RNB35X = 3500K	MPW = Matte Powder White
NIOB-1RNB40X = 4000K	NN = Natural Metal
NIOB-1RNB50X = 5000K	WW = White
NIOB-1RNB CDX = Comfort Dim (3000K-1900K)	

† 1" Comfort Dim uses a different dimming curve than 2" & 4" Comfort Dim

Compatible Housings

Housing Type
NHIOICD-16LE3 = ICAT New Construction / Triac/ELV / 600lm / 9W
NHIOICD-16LE4 = ICAT New Const. / Triac/ELV/0-10V / 600lm / 10W
NHIOICDCP-16LE3 = Chicago Plenum / Triac/ELV / 600lm / 9W
NHIOICDCP-16LE4 = Chicago Plenum / Triac/ELV/0-10V / 600lm / 10W
NHRIOIC-16LE4 = ICAT Remodel / Triac/ELV/0-10V / 600lm / 10W

Example: **NIOB-1RNB27XWW** = 1" Iolite Round Bullnose, 2700K, White finish, 800lm

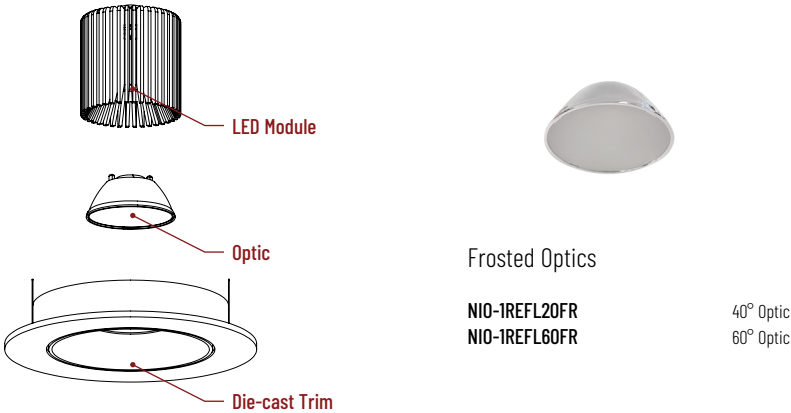
1" Iolite Accessories

1" Iolite BWF Round Bullnose

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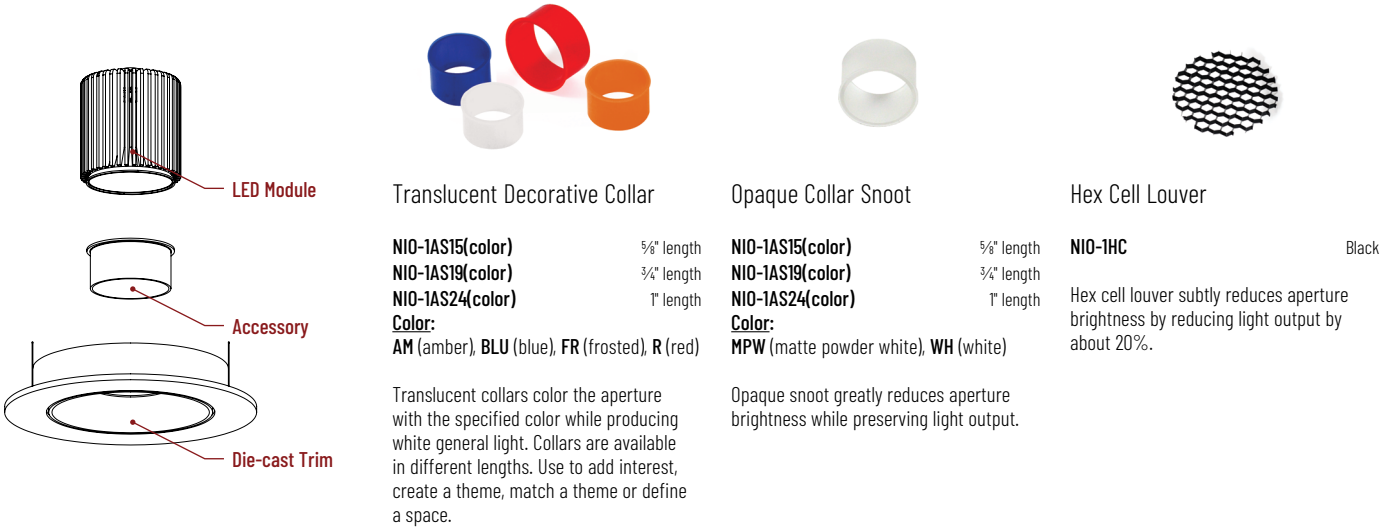
FIELD CHANGEABLE OPTICS

Iolite luminaires include spot, narrow flood and flood optics. Optics can be changed in the field by removing LED module from die-cast trim. Optional frosted optics are available.



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.



FLUSH MOUNT

1" Iolite BWF reflectors 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.



PHOTOMETRICS

1" Iolite BWF Round Bullnose

600 lumens

Type

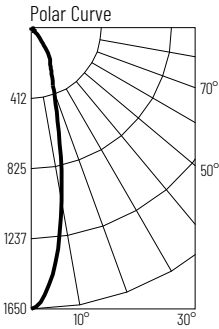
Project

Catalog No.

Notes

Test Information

Test Number: NTR11201
Part Number: NIOB-IRNB27MPW
Beam Spread: 24° Spot
Lumens: 587lm
Wattage: 9.37W
Efficacy: 63lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 0.42
Spacing Criteria (90°-270°): 0.42



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	103fc	1'-10"
6'	45.8fc	2'-7"
8'	25.8fc	3'-6"
10'	16.5fc	4'-5"
12'	11.5fc	5'-4"

Zonal Lumen Summary

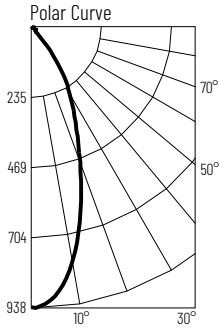
Zone	Lumens	% Luminaire
0-30	433	73.8
0-40	532	90.6
0-60	572	97.5
0-90	586	99.8
90-180	1	0.2
0-180	587	100

Candela Table

Vertical Angles	Candela
0	1650
5	1454
15	633
25	280
35	163
45	28

Test Information

Test Number: NTR11217
Part Number: NIOB-IRNB27MPW
Beam Spread: 40° Narrow Flood
Lumens: 590lm
Wattage: 9.46W
Efficacy: 62lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 0.66
Spacing Criteria (90°-270°): 0.66



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	58.5fc	3'
6'	26fc	4'-6"
8'	14.6fc	6'
10'	9.4fc	7'-6"
12'	6.5fc	8'-11"

Zonal Lumen Summary

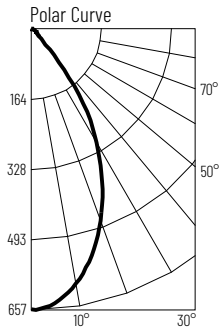
Zone	Lumens	% Luminaire
0-30	421	71.3
0-40	527	89.3
0-60	571	96.8
0-90	589	99.8
90-180	1	0.2
0-180	590	100

Candela Table

Vertical Angles	Candela
0	935
5	899
15	639
25	351
35	174
45	26

Test Information

Test Number: NTR11232
Part Number: NIOB-IRNB27MPW
Beam Spread: 57° Flood
Lumens: 588lm
Wattage: 9.43W
Efficacy: 62lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 0.86
Spacing Criteria (90°-270°): 0.86



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	41fc	4'-5"
6'	18.2fc	6'-7"
8'	10.2fc	8'-10"
10'	6.6fc	11'
12'	4.6fc	13'-2"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	392	66.6
0-40	521	88.6
0-60	569	96.7
0-90	586	99.6
90-180	2	0.4
0-180	588	100

Candela Table

Vertical Angles	Candela
0	656
5	642
15	546
25	393
35	213
45	32

Lumen Output Multipliers

Color Temperature: 2700K (1.00), 3000K (1.11), 3500K (1.12), 4000K (1.11), 5000K (1.4)