

## NI0B-2 IOLITE REMODEL SERIES

2" LED Iolite Round & Square Adjustable / Non-Adjustable trims

Requires NH0ICD-2 New Construction or NHRIC0-2 Remodel Housing

Source: LED, 14 Watts, 700-800 Lumens

### PRODUCT DESCRIPTION

Nora Lighting's Iolite Series feature 2" square and round trims in a surface gimbal and regressed cone adjustable. The die cast aluminum trims feature sharp clean edges and can be aimed down for general lighting or adjusted to highlight or wall wash a focal point. The Iolite ships with a 60° beam spread reflector installed. A 25° and 38° reflector is also included and can be easily changed in the field. An Optional 15° reflector is available. The system provides 700-800 lumen output, 13-14 Watts and 95CRI. An obvious choice for Green Energy Efficient lighting in commercial and residential applications.

### FEATURES

- 13-14 Watts
- Cree LED COB package
- 700-800 Lumens
- 95 CRIW
- 2700K, 3000K, 3500K, 4000K and 5000K CCT
- Ideal Connector
- 6" Cable with insulating sleeve
- 60° (Flood) reflector installed, 38° (Narrow flood) and 25° (Spot) reflector included.
- 15° (Narrow spot) reflector available
- Adjustable square and round trims in surface gimbal, and cone regressed gimbal
- 5-Year limited warranty
- cULus listed for Wet Location
- Dimmable

### SPECIFICATION

#### TRIM

Trims are constructed of heat dissipating die-cast aluminum. The aluminum die-cast LED heat sink is threaded to fit the die-cast lamp holder. The precision threads and positive fit transfers heat to the trim. The Regressed cone trims (NI0B-2RND, NI0B-2SND) optimize visual cut-off. Surface Adjustable (NI0B-2RG, NI0B-2SG) adjusts 35°, Regressed Adjustable (NI0B-2RC, NI0B-2SC) adjusts 35° degrees. Scientifically and specifiable "Unitized Thermal Management" (UTM) provides exceptional cool operation exceeding all industry standards.

#### MOUNTING

Trim includes Friction Blades to mount trim securely to housing.

#### DIMMING

Triac Dimming

LE3 - 120V Triac / ELV Dimming

LE4 - 120V Triac, ELV or 0-10V / 277V 0-10 Dimming

#### ELECTRICAL

Voltage: 120-277VAC

Current: 300-330mA

Power Consumption: 13-14 Watts

Light Source: Cree Integrated Platform

Lumens: 700-800LM

CRI: 95 CRI

Operating Temperature: 0°C to 75°C ambient temperature

Life Expectancy: 50,000 hours

[Click Here](#) or refer to [www.NoraLighting.com](http://www.NoraLighting.com) for complete updated dimmer list in the "Compatibility" page under the "Resource" tab.

#### COMPATIBLE PATENT PENDING HOUSINGS

NIO series is compatible with IC Air-Tight LED Iolite Series Dedicated housings listed below. The housing is cULus listed for direct contact with insulation and meets ASTM E283 standards for Air Tight. Bar hangers are adjustable from 13 5/8" to 24 1/2". Bar hangers are slotted for T-Bar installation and includes alignment feet.

#### LABELS AND LISTINGS

Title 24 Compliant

cULus for Wet Location

Energy Star

5 Year Limited Warranty

ROHS



#### COMPATIBLE HOUSINGS (12" x 7-5/8" x 4")

Catalog No.	Description
NH0ICD-28LE3:	2" Iolite IC Air-Tight Low Voltage Housing (120V Triac / ELV)
NH0ICD-28LE4:	2" Iolite IC Air-Tight Low Voltage Housing (120V Triac / 120V 0-10 / 277V 0-10)
NHRIC0-28LE4 Remodel:	2" Iolite IC Air-Tight Remodel Housing 0-10V 120V

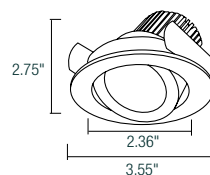
#### IOLITE SERIES - 2" LED ROUND & SQUARE TRIMS

Catalog No.	Trim Type	Trim Style	Color Temp.	Beam Spread	Finishes
NI0B-2	R = Round	G = Adj. Surface Gimbal	27 = 2700K	X = 25°/38°/60°	WW = White, White
		C = Cone Regress	30 = 3000K		MPW = Mat Powder White
	S = Square	NDC = Non-Adj. Deep	35 = 3500K		NN = Nat. Metal, Nat. Metal
		Cone Regress	40 = 4000K		BZ = Bronze, Bronze
			50 = 5000K		Finishes (Only Cone Regress)
					HW = Haze White
					BW = Black, White

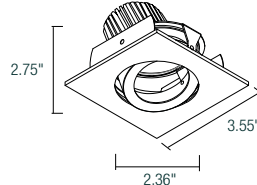
### DIMENSIONS:

#### SURFACE 15°-30° ADJUSTABLE

NI0B-2RG



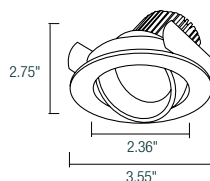
NI0B-2SG



#### REGRESSED 15°-30° ADJUSTABLE

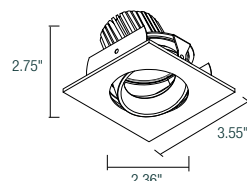
NI0B-2RC

(0.64" Regressed)



NI0B-2SC

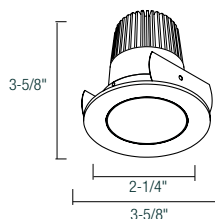
(0.64" Regressed)



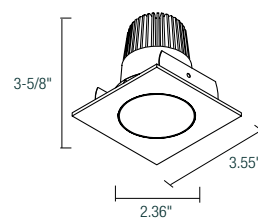
\*15° Adjustable on SQ trims and all used in R13 Model HSG

#### DEEP REGRESSED CONE NON-ADJUSTABLE

NI0B-2RND



NI0B-2SND



### ACCESSORIES

NIO-HC: HEX CELL LOUVER FOR 2" & 4" IOLITE

NIO-REFL15: 15 Degree Reflector - Narrow Spot (OPTIONAL)

NIO-REFL25: 25 Degree Reflector - Spot (INCLUDED)

NIO-REFL40: 38 Degree reflector - Narrow Flood (INCLUDED)

NIO-REFL60: 60 Degree Reflector - Flood (INCLUDED)

NIO-REFL15FR: 15° Reflector w/ Frosted Lens for 2" & 4" Iolite

NIO-REFL25FR: 25° Reflector w/ Frosted Lens for 2" & 4" Iolite

NIO-REFL38FR: 38° Reflector w/ Frosted Lens for 2" & 4" Iolite

NIO-REFL60FR: 60° Reflector w/ Frosted Lens for 2" & 4" Iolite

NIO-AS14BLK: IOLITE 284" SNOOT 15MM-5/8" BLACK

NIO-AS14WH: IOLITE 284" SNOOT 15MM-5/8" WHITE

NIO-AS14FR: IOLITE 284" SNOOT 15MM-5/8" FROST

NIO-AS19BLK: IOLITE 284" SNOOT 19MM-3/4" BLACK

NIO-AS19WH: IOLITE 284" SNOOT 19MM-3/4" WHITE

NIO-AS19FR: IOLITE 284" SNOOT 19MM-3/4" FROST

NIO-AS26BLK: IOLITE 284" SNOOT 24MM-1" BLACK

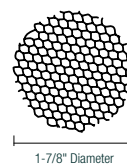
NIO-AS26WH: IOLITE 284" Colored Collars SNOOT 24MM-1" WHITE

NIO-AS26FR: IOLITE 284" SNOOT 24MM-1" FROST

NIO-FMMR-2R: 2" ROUND FLUSH MOUNT MUD RING FOR IOLITE

NIO-FMMR-4R: 4" ROUND FLUSH MOUNT MUD RING FOR IOLITE

NIO-HC for 2" & 4"



Example: NI0B-2RG27XWW = Iolite 2" Round Surface Gimbal 27K w/ 25°/38°/60° Reflectors, White Finish (Requires NH0ICD-28 Series Housing)

# PHOTOMETRICS 2" IOLITE



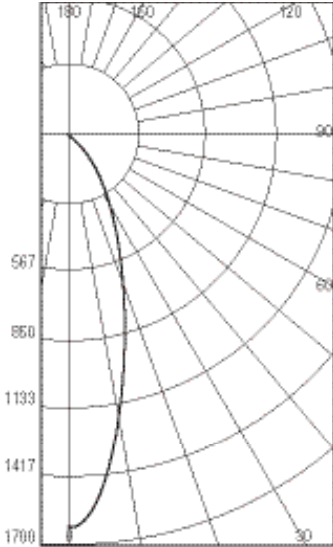
## 2" IOLITE LED 3000K, 25°

Item Number: NIO-2RG3025WWLE3

Lamp Output: 789 Lumens

Max Candela: 1624.7

### INTENSITY (CP) SUMMARY



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	560.7	71.1
0-40	699.7	88.7
0-60	788.5	99.9
0-90	789.0	100.0

### ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
406 fc	2'	1.1'
102 fc	4'	2.1'
45.1 fc	6'	3.2'
25.4 fc	8'	4.3'
16.2 fc	10'	5.3'
11.3 fc	12'	6.4'

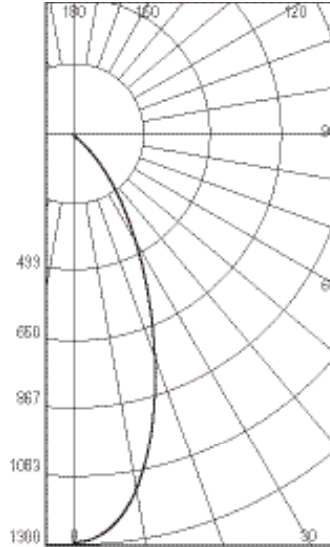
## 2" IOLITE LED 3000K, 38°

Item Number: NIO-2RG3038WWLE3

Lamp Output: 778.7 Lumens

Max Candela: 1290.5

### INTENSITY (CP) SUMMARY



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	577.3	74.1
0-40	705.6	90.6
0-60	778.4	100.0
0-90	778.7	100.0

### ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
321 fc	2'	1.5'
80.3 fc	4'	3.1'
35.7 fc	6'	4.6'
20.1 fc	8'	6.1'
12.9 fc	10'	7.7'
8.92 fc	12'	9.2'

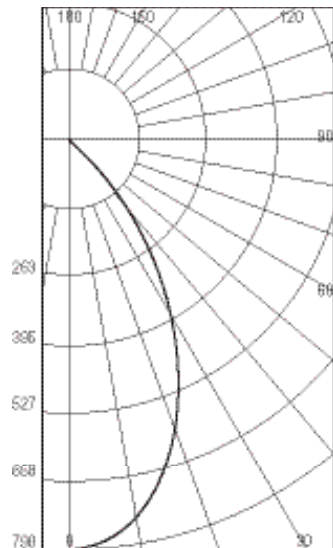
## 2" IOLITE LED 3000K, 60°

Item Number: NIO-2RG3060WWLE3

Lamp Output: 776.4 Lumens

Max Candela: 785.7

### INTENSITY (CP) SUMMARY



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	491.3	63.3
0-40	670.9	86.4
0-60	776.0	99.9
0-90	776.4	100.0

### ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
196 fc	2'	2.3'
49.1 fc	4'	4.7'
21.8 fc	6'	7.0'
12.3 fc	8'	9.3'
7.85 fc	10'	11.7'
5.45 fc	12'	14.0'