

## NIO-4 Series 4" LED Iolite Round & Square Adjustable/Non-Adjustable trims (Requires NIOICD-4 or NHRIOIC-4 Series housing - Specified Separately)

Lamp: LED 14 Watts 800 Lumens

### PRODUCT DESCRIPTION

NSpec Lighting's Iolite Series feature 4" square and round trims in a Regressed 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 800 lumen output, 14 Watts and 95CRI. An obvious choice for Green Energy Efficient lighting in commercial and residential applications.

### FEATURES

- 14 Watts
- Cree LED COB package
- 800 Lumens
- 96 CRI
- 2700K, 3000K, and 4000K color temp.
- Ideal Connector
- 6" Cable with insulating sleeve
- 60° (Flood) reflector installed, 38° (Narrow flood) and 25° (Spot) reflector included.
- Adjustable square and round trims in Surface Gimbal, and Cone Regressed Gimbal, and Deep Regressed Style
- 15° (Narrow spot) reflector available
- 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 adjustable allows for complete and full beam adjustment. The Regressed cone trims (NIO-4RC, NIO-4SC) optimize visual cut-off. Regressed Gimbal Adjustable (NIO-4RG, NIO-4SG) adjusts 45°, Regressed Cone Adjustable (NIO-4RC, NIO-4SC) adjusts 45°. 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 or ELV Dimming

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

[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.

#### ELECTRICAL

Voltage: 120VAC  
 Current: 350mA  
 Power Consumption: 14 Watts  
 Light Source: Cree Integrated Platform  
 Lumens: 800 to 700 lm  
 CRI: 95 CRI  
 Operating Temperature: 0°C to 75°C ambient temperature  
 Life Expectancy: 50,000 hours

#### COMPATIBLE HOUSINGS

(REQUIRES NIOICD-4 OR NHRIOIC-4 SERIES HOUSING - SPECIFIED SEPERATELY)  
 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.

### Compatible Housings (12" x 7-5/8" x 4")

Catalog No.	Description
<b>Double Wall</b>	
<b>NHIOICD-48LE3:</b>	4" Iolite IC Air-Tight Low Voltage Housing (120V Triac / ELV Dimming)
<b>NHIOICD-48LE4:</b>	4" Iolite IC Air-Tight Low Voltage Housing (120V Triac / 120V 0-10 / 277V 0-10 / ELV Dimming)
<b>Remodel</b>	
<b>NHRIOIC-48LE3:</b>	4" Iolite IC Air Tight Dedicated Remodel Housing (120V Triac / ELV Dimming)

### IOLITE SERIES - 4" LED ROUND & SQUARE TRIM

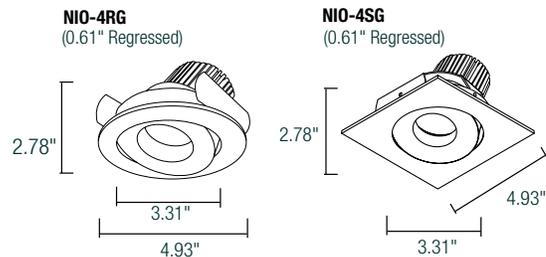
(REQUIRES NIOICD-4 OR NHRIOIC-4 SERIES HOUSING - SPECIFIED SEPERATELY)

Catalog No.	Trim Type	Trim Style	Color Temp.	Beam Spread	Finishes	
<b>NIO-4</b>	<b>R</b> = Round	<b>G</b> = Regressed	<b>27</b> = 2700K	<b>X</b> = 25°/38°/60°	<b>WW</b> = White, White	
		<b>S</b> = Square	<b>Gimbal</b>		<b>30</b> = 3000K	<b>MPW</b> = Mat Powder White
	<b>C</b> = Regressed	<b>Cone</b>	<b>35</b> = 3500K	<b>NN</b> = Nat. Metal, Nat. Metal		
		<b>Deep</b>	<b>50</b> = 5000K	<b>BZ</b> = Bronze, Bronze		
						<b>Finishes (Only Cone Regress &amp; Deep)</b>
						<b>BW</b> = Black, White
					<b>HW</b> = Haze White	

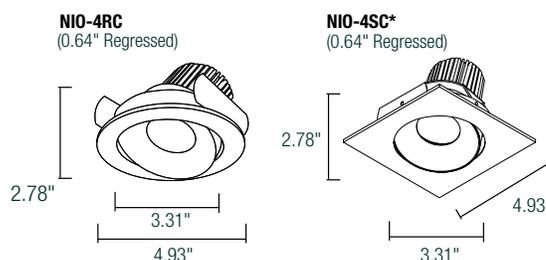
Example: NIO-4RG27XWW = Iolite 4" Round Regressed Gimbal 27K with 25°/38°/60° Reflector, White Trim

### DIMENSIONS:

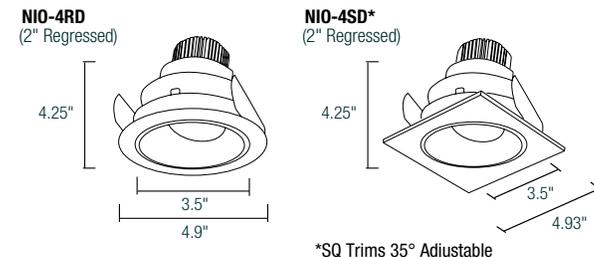
#### REGRESSED GIMBAL 40°-45° ADJUSTABLE



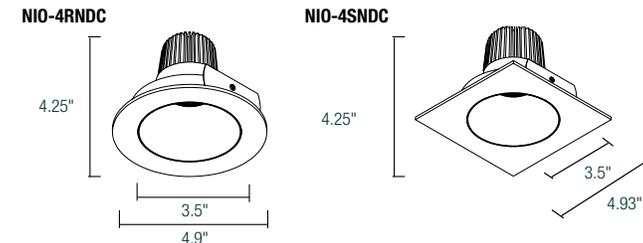
#### REGRESSED CONE 40°-45° ADJUSTABLE



#### DEEP REGRESSED CONE 40°-45° ADJUSTABLE\*



#### DEEP REGRESSED CONE NON-ADJUSTABLE



### ACCESSORIES

- NIO-HC: HEX CELL LOUVER FOR 2" & 4" IOLITE
- NIO-REF15: 15 Degree Reflector - Narrow Spot (OPTIONAL)
- NIO-REF25: 25 Degree Reflector - Spot (INCLUDED)
- NIO-REF40: 38 Degree reflector - Narrow Flood (INCLUDED)
- NIO-REF60: 60 Degree Reflector - Flood (INCLUDED)
- NIO-REF15FR: 15° Reflector w/ Frosted Lens for 2" & 4" Iolite
- NIO-REF25FR: 25° Reflector w/ Frosted Lens for 2" & 4" Iolite
- NIO-REF38FR: 38° Reflector w/ Frosted Lens for 2" & 4" Iolite
- NIO-REF60FR: 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" Colored Collars 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" SNOOT 24MM-1" WHITE
- NIO-AS26FR: IOLITE 284" SNOOT 24MM-1" FROST
- NIO-FMMR-4R: 4" ROUND FLUSH MOUNT MUD RING FOR IOLITE
- NIO-FMMR-4S: 4" SQUARE FLUSH MOUNT MUD RING FOR IOLITE



### LABELS AND LISTINGS

Title 24 Compliant  
 cULus Listed for Wet Location (Except NIO-4RD)  
 Energy Star  
 5 Year Limited Warranty  
 ROHS

# PHOTOMETRICS 4" IOLITE



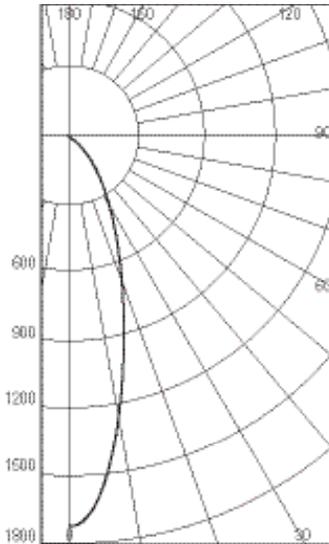
## 4" IOLITE LED 3000K, 25°

Item Number: NIO-4RG3025WWLE3

Lamp Output: 840.1 Lumens

Max Candela: 1715.3

### INTENSITY (CP) SUMMARY



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	594.1	70.7
0-40	741.7	88.3
0-60	839.7	100.0
0-90	840.1	100.0

### ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
429 fc	2'	1.1'
107 fc	4'	2.2'
47.6 fc	6'	3.3'
26.8 fc	8'	4.3'
17.1 fc	10'	5.4'
11.9 fc	12'	6.5'

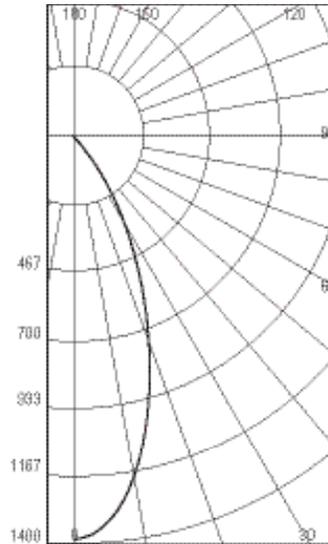
## 4" IOLITE LED 3000K, 38°

Item Number: NIO-4RG3038WWLE3

Lamp Output: 828.4 Lumens

Max Candela: 1372.8

### INTENSITY (CP) SUMMARY



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	614.2	74.1
0-40	750.6	90.6
0-60	828.1	100.0
0-90	828.4	100.0

### ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
342 fc	2'	1.5'
85.4 fc	4'	3.1'
38.0 fc	6'	4.6'
21.4 fc	8'	6.1'
13.7 fc	10'	7.7'
9.49 fc	12'	9.2'

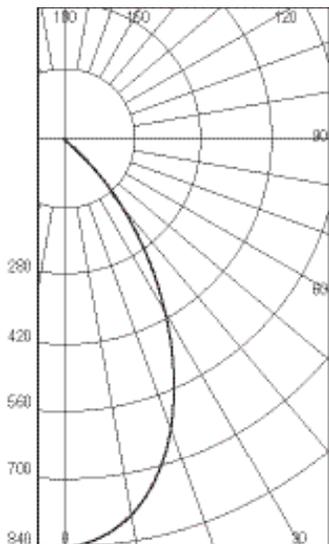
## 4" IOLITE LED 3000K, 60°

Item Number: NIO-4RG3060WWLE3

Lamp Output: 826 Lumens

Max Candela: 835.9

### INTENSITY (CP) SUMMARY



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	522.7	63.3
0-40	713.7	86.4
0-60	825.5	99.9
0-90	826.0	100.0

### ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
209 fc	2'	2.3'
52.2 fc	4'	4.7'
23.2 fc	6'	7.0'
13.1 fc	8'	9.3'
8.35 fc	10'	11.7'
5.80 fc	12'	14.0'