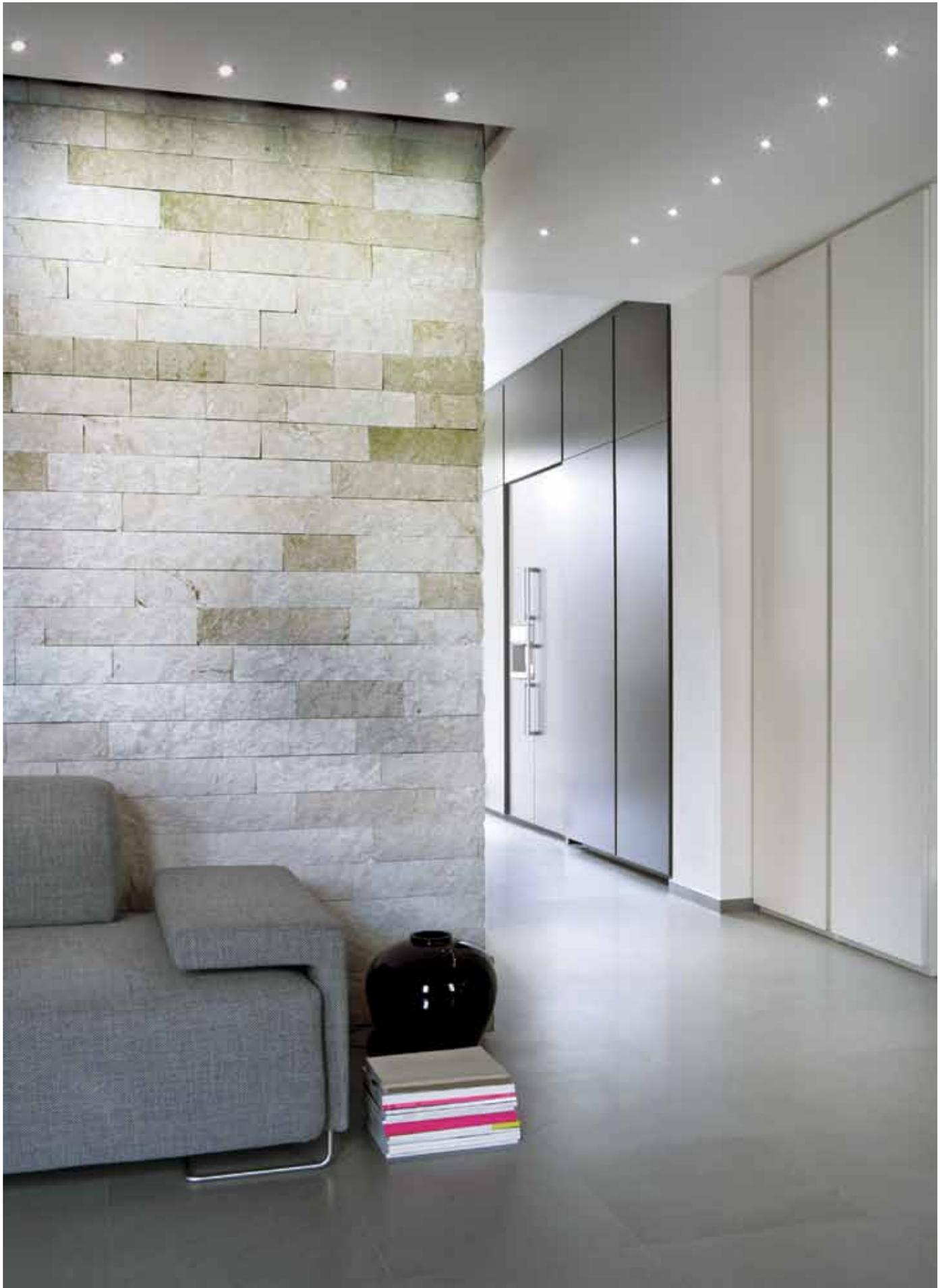


# IOLITE LED

1", 2" and 4" Modular LED Downlights



**NORA** | *NSPEC*  
LIGHTING



# LED IOLITE SERIES

## 1", 2", 4" MODULAR LED DOWNLIGHT

Nora designed the Iolite to offer a total design solution. When style is the first priority, Iolite can match every vision with its various architectural-quality trim finishes and trim forms. And yet, Iolite's real strength is its function and versatility. The Iolite allows users to change the beam spread from spot to narrow flood to flood without the use of tools, so that each module can be individually adjusted for its own intended purpose.

### QUALITY

- The 1" Iolite produces about 600 lumens while drawing only about 9 watts. The 2" and 4" Iolites each produce about 800 lumens while drawing only about 14 watts. The Iolite series is rated to render a vivid 95 CRI using Cree® chip-on-board technology.
- The aluminum die-cast trims and heat sinks are formed to optimize heat dissipation while providing a high-end finish.
- Iolite is ENERGY STAR Certified, cULus Listed, Title 24 Compliant, rated for 50,000 life hours, and backed by Nora Lighting's 5 year limited warranty.

### VERSATILITY

- The Iolite Series was built to fit into any design vision with round or square trim types and a variety of trim styles and finishes. It is also available in five color temperatures (2700, 3000, 3500, 4000 and 5000K).
- Each unit comes with three reflectors so that the beam spread can be selected and changed without the use of tools during the final installation.
- Iolite's options allow consistent design across multiple lighting applications. Use with Nora/Nspec Sapphire, Marquise and Cobalt series for uniform color output.

### CUSTOMIZATION

- Designers can customize Iolite's appearance in the field with a variety of trim accessories. Create unique lighting effects with snoots available in opaque black and white, as well as frosted and colored accents and colored filters.

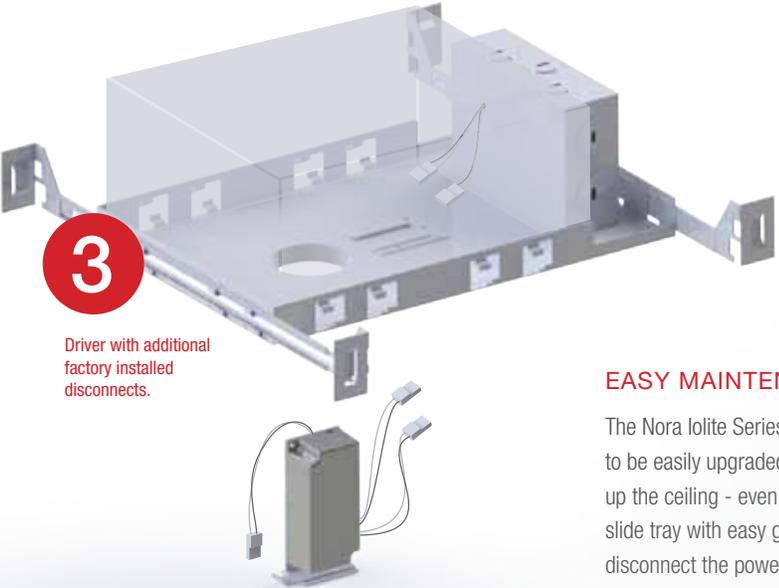
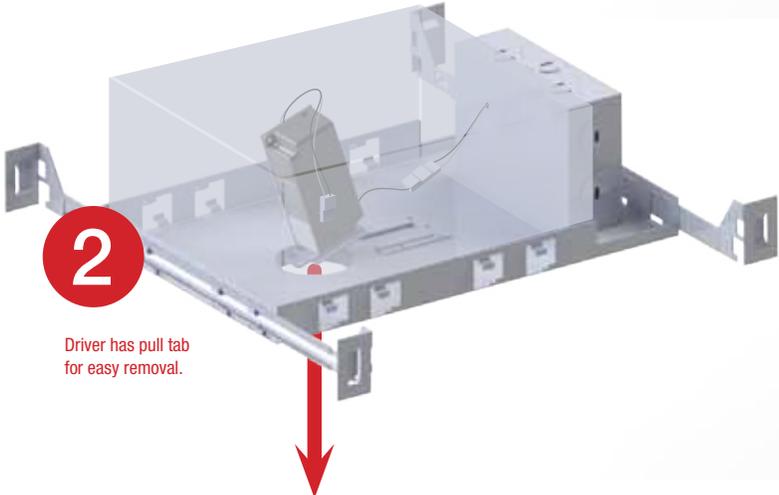
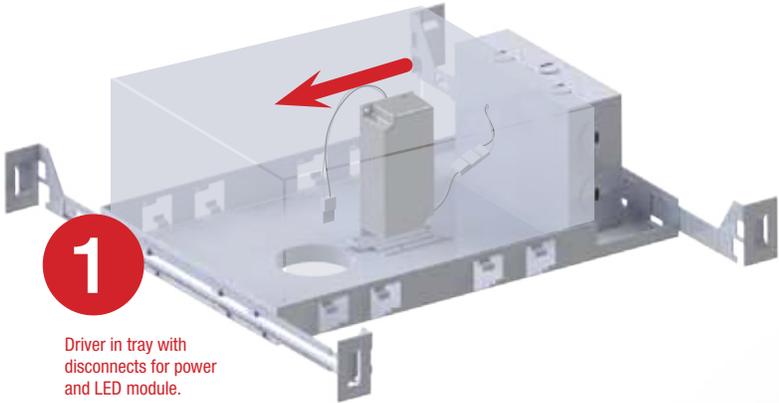
### INNOVATION

Recognizing the challenge of accessing the driver on a unit with a small aperture, Nora designed a dedicated patent-pending housing for the Iolite. The IC air-tight housing for Iolite contains a sliding mechanism that allows the user to access the driver by pulling on a tab, a patent-pending design allowing for easy maintenance or upgrading for life.





# PATENT-PENDING, IC, AIR-TIGHT HOUSING WITH DRIVER ACCESSIBILITY DESIGN



## EASY MAINTENANCE

The Nora lolite Series features a patent-pending housing that allows the driver to be easily upgraded or changed without the use of tools and without tearing up the ceiling - even on the 1" aperture lolite housing. The lolite patent-pending slide tray with easy grip bracket allows the end-user to slide out the driver and disconnect the power with simple UL approved disconnects.

# FIXTURES SHOWN ACTUAL SIZE

Low Voltage DC connector attaches to DC output of driver in housing

Cree COB technology module features die-cast aluminum heat dissipating fins. The module's fine threads screw into the die-cast aluminum trim.

Flexible aluminum blades hold trim and LED module securely to the housing.

Trims are constructed of die-cast aluminum and available in a variety of finishes. The LED COB optics are deep set for low aperture brightness and each trim includes three field-changeable reflectors for spot, narrow flood and flood beam spreads.

1" IOLITE NTF

1" IOLITE BWF

## DIRECTED LIGHT

The Iolite is designed with dedicated reflectors offered in flood, narrow flood and spot patterns. The reflectors, included with each module, can easily be selected and installed during final installation, no tools required. The specially designed reflectors produce more usable light ultimately reducing the amount of wattage required to light a space or highlight an object. Many other LED downlights waste light production and have to use higher wattage fixtures to produce the same desired effects that the Iolite fixtures produce with less wattage.

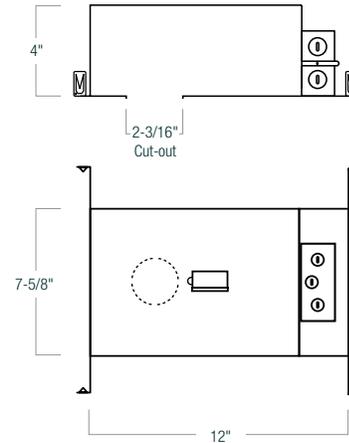
2" IOLITE



4" IOLITE

# 1" IOLITE HOUSING

## WITH INTEGRAL 600 LUMEN, 9W DRIVER



### 1" IOLITE SERIES HOUSING REQUIRES NIO-1 OR NIOB-1 TRIM

HOUSING TYPE	APERTURE	LUMENS	DRIVER
<b>NHIOICD</b> New Construction	1 1"	6 600	<b>LE3</b> 120V Triac/ELV Dimming <b>LE4</b> 120V Triac/ELV: Dimming 0-10V 277V: Dimming 0-10V

Example: **NHIOICD-16LE3** - 1" Iolite Series LED New Construction Housing, 600 Lumen, 120V Triac Dimming

Iolite 1" dedicated LED downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. 20°, 40° and 60° reflectors are included with each module. The 9W Iolite LED module produces 600 lumens at 95 CRI in various kelvin temperatures.

#### ELECTRICAL:

**Voltage:** 120V or 277V AC

**Current:** 130mA

**Lumens / Power Consumption:** 600lm / 9W

**Color Rendering Index:** 95+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K and 5000K

**Operating Temperature:** 0°C~50°C (32°F~122°F)

**Life Expectancy:** 50,000 Hours

#### CONSTRUCTION:

**Housing:** Shallow aluminum housing is IC rated and meets air-tight requirements. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. Housing requires top access.

**Trim/Module Construction:** Trims are die-cast aluminum with fine threads for joining of LED module. LED Module features Cree COB technology and die-cast aluminum heat sink. Module includes three reflectors for beam angle selection: spot, narrow flood and flood.

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation. Housing requires top access.

**DRIVER/DIMMING:** Two options available

**LE3:** Standard 120V Triac/ELV dimming

**LE4:** 120V Triac/ELV or 0-10V / 277V 0-10V

#### LISTING:

cULus Listed for Wet Location

ENERGY STAR

#### WARRANTY:

5 Year Limited Warranty



# 1" IOLITE NTF TRIMS



600 LUMEN LED · 1" IOLITE NEW CONSTRUCTION HOUSING REQUIRED

The 1" Iolite NTF series features an extremely thin trim edge that disappears into the ceiling line. 1" Iolite NTF trims are for use with 1" Iolite new construction housings only.



**NIO-1RNB**  
1" Round Bull Nose Regress  
Non-Adjustable  
BZ, MPW, NN, WW



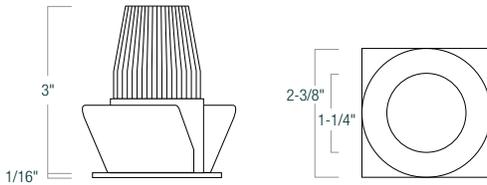
**NIO-1SNB**  
1" Square Bull Nose Regress  
Non-Adjustable  
BZ, MPW, NN, WW



**NIO-1RNG**  
1" Round Straight Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIO-1SNG**  
1" Square Straight Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



*1" NTF Iolite trims feature an extremely low profile that blends seamlessly with the ceiling. 1" NTF Iolite trims are compatible only with new construction housings.*

## 1" IOLITE NTF MODULAR LED REFLECTORS · NON-ADJUSTABLE · REQUIRES NHIOICD-1 HOUSING

SERIES	SIZE	SHAPE	REFLECTOR TYPE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NIO-</b> NTF Trim w/ LED Module	<b>1</b> 1" Non-Adjustable	<b>R</b> Round <b>S</b> Square	<b>NB</b> Bull Nose Regress <b>NG</b> Straight Regress	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>50</b> 5000K	<b>X</b> 20°/40°/60°	<b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HW</b> Haze / White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White <i>Not all finishes available on all trims.</i>

*Example: NIO-1RNB27XBZ - 1" Iolite NTF Round Bull Nose Trim Reflector, 2700K with 20, 40 and installed 60 degree Reflectors, Bronze finish.*

## ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 18 for full details.



**Frosted Filter-Reflector**  
NIO-1REFL20FR 20°  
NIO-1REFL40FR 40°  
NIO-1REFL60FR 60°



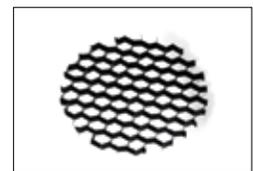
**Color Changing Filter-Reflector Assembly**  
Consult Factory  
Blue, Amber or Red



**Translucent Deco Collar**  
NIO-AS15(color) 5/8"  
NIO-AS19(color) 3/4"  
NIO-AS24(color) 1"  
Blue, Amber, Frost or Red



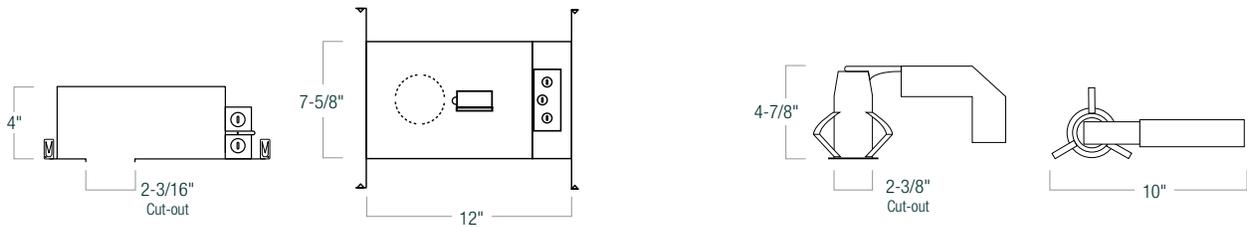
**Opaque Collar Snoot**  
NIO-1AS15(color) 5/8"  
NIO-1AS19(color) 3/4"  
NIO-1AS24(color) 1"  
Black, Matte Powder White, White



**Hex Cell Louver**  
NIO-1HC

# 1" IOLITE HOUSING

## WITH INTEGRAL 600 LUMEN, 9W DRIVER



### 1" IOLITE SERIES HOUSING

NHIOICD REQUIRES NIO-1 OR NIOB-1 TRIMS · NHRIOC REQUIRES NIOB-1

HOUSING TYPE	APERTURE	LUMENS	DRIVER
<b>NHIOICD</b> New Construction	1 1"	6 600	<b>LE3</b> 120V Triac/ELV Dimming <i>(New Construction only)</i>
<b>NHRIOC*</b> Remodel			<b>LE4</b> 120V Triac/ELV Dimming 0-10V, 277V Dimming 0-10V

Example: **NHIOICD-16LE3** - 1" Iolite Series LED New Construction Housing, 600 Lumen, 120V Triac Dimming

Iolite 1" dedicated LED downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. 20°, 40° and 60° reflectors are included with each module. The 9W Iolite LED module produces 600 lumens at 95 CRI in various kelvin temperatures.

#### ELECTRICAL:

**Voltage:** 120V or 277V AC

**Current:** 130mA

**Lumens / Power Consumption:** 600lm / 9W,

**Color Rendering Index:** 95+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K and 5000K

**Operating Temperature:** 0°C~50°C (32°F~122°F)

**Life Expectancy:** 50,000 Hours

#### CONSTRUCTION:

**New Construction Housing:** Shallow aluminum housing is IC rated and meets airtight requirements. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. Housing requires top access.

**Remodel Housing:** The remodel housing is AT and IC rated. A pivoting arm allows the remodel to be used in 2 x 6 construction.

**Trim/Module Construction:** Trims are die-cast aluminum with fine threads for joining of LED module. LED Module features Cree COB technology and die-cast aluminum heat sink. Module includes three reflectors for beam angle selection: spot, narrow flood and flood.

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation. Housing requires top access.

**Remodel:** Can be installed in an existing ceiling. Pivoting arm allows for installation in 2 x 6 construction. *\*Consult factory or spec sheet for new construction mounting frame for remodel.*

#### DRIVER/DIMMING:

**LE3:** Standard 120V Triac/ELV dimming *(New Construction only)*

**LE4:** 120V Triac/ELV or 0-10V / 277V 0-10V

#### LISTING:

cULus Listed for Wet Location  
ENERGY STAR



#### WARRANTY:

5 Year Limited Warranty



# 1" IOLITE BWF TRIMS



600 LUMEN LED · 1" IOLITE NEW CONST. OR REMODEL HOUSING REQUIRED

The 1" Iolite BWF series trims are small aperture downlights that can be specified for use with 1" Iolite new construction or remodel housings. The 1" BWF trims feature a slightly larger flange design than the 1" NTF Series.



**NIOB-1RNB**  
1" Round Bull Nose Regress  
Non-Adjustable  
BZ, MPW, NN, WW



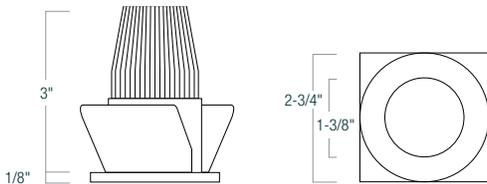
**NIOB-1SNB**  
1" Square Bull Nose Regress  
Non-Adjustable  
BZ, MPW, NN, WW



**NIOB-1RNG**  
1" Round Straight Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIOB-1SNG**  
1" Square Straight Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



*1" Iolite BWF trims are small aperture downlights that can be specified for use in new construction and remodel applications.*

## 1" IOLITE BWF MODULAR LED REFLECTORS NON-ADJUSTABLE · REQUIRES NHIOICD-1 OR NHRIOC-1 HOUSING

SERIES	SIZE	SHAPE	REFLECTOR TYPE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NIOB-</b> BWF Trim w/ LED Module	1 1" Non-Adjustable	<b>R</b> Round <b>S</b> Square	<b>NB</b> Bull Nose Regress <b>NG</b> Straight Regress	<b>27</b> 2700K	<b>X</b> 20°/40°/60°	<b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HW</b> Haze / White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White <i>Not all finishes available on all trims.</i>
				<b>30</b> 3000K		
				<b>35</b> 3500K		
				<b>40</b> 4000K		
				<b>50</b> 5000K		

*Example: **NIOB-1RNB27XBZ** - 1" Iolite BWF Round Bull Nose Trim / LED Module, 2700K with 20, 40 and installed 60 degree Reflectors, Bronze finish*

## ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 18 for full details.



**Frosted Filter-Reflector**  
NIO-1REFL20FR 20°  
NIO-1REFL40FR 40°  
NIO-1REFL60FR 60°



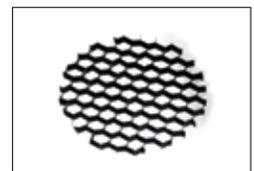
**Color Changing Filter-Reflector Assembly**  
Consult Factory  
Blue, Amber or Red



**Translucent Deco Collar**  
NIO-AS15(color) 5/8"  
NIO-AS19(color) 3/4"  
NIO-AS24(color) 1"  
Blue, Amber, Frost or Red



**Opaque Collar Snoot**  
NIO-1AS15(color) 5/8"  
NIO-1AS19(color) 3/4"  
NIO-1AS24(color) 1"  
Black, Matte Powder White, White



**Hex Cell Louver**  
NIO-1HC

# 2" IOLITE HOUSING

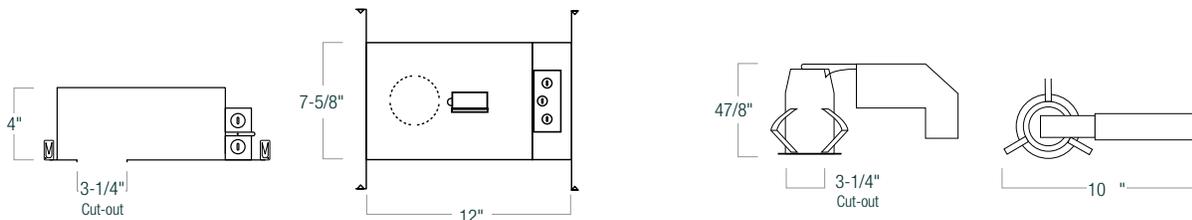
WITH INTEGRAL 800 LUMEN, 14W DRIVER



**NHIOICD-28**  
2" Iolite New Construction Housing



**NHRIOIC-28**  
2" Iolite Remodel Housing



## 2" IOLITE SERIES HOUSING REQUIRES NIOB-2 TRIMS

HOUSING TYPE	APERTURE	LUMENS	DRIVER
<b>NHIOICD</b> New Construction	2 2"	8 800	<b>LE3</b> 120V Triac/ELV Dimming <i>(New Construction only)</i>
<b>NHRIOIC*</b> Remodel			<b>LE4</b> 120V Triac/ELV Dimming 0-10V 277V Dimming 0-10V

*Example: NHIOICD-28LE3 - 2" Iolite LED New Construction, 800 Lm, 120V Triac Dimming*

Iolite 2" dedicated LED adjustable and non-adjustable downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes 25°, 38° and an installed 60° reflector. A 15° reflector is also available. The 14W Iolite LED module produces 800 lumens at 95 CRI in various kelvin temperatures.

### ELECTRICAL:

**Voltage:** 120V or 277V AC

**Current:** 130mA

**Lumens / Power Consumption:** 800lm / 14W

**Color Rendering Index:** 95+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K and 5000K

**Operating Temperature:** 0°C~50°C (32°F~122°F)

**Life Expectancy:** 50,000 Hours

### CONSTRUCTION:

**Housing:** Shallow aluminum housing is IC rated and meets air-tight requirements. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

**Remodel Housing:** The remodel housing is AT and IC rated. A pivoting arm allows the remodel to be used in 2x6 construction.

**Trim/Module Construction:** Trims are die-cast aluminum with fine threads for joining of LED module. LED Module features Cree COB technology and die-cast aluminum heat sink. Module includes three reflectors for beam angle selection: spot, narrow flood and flood.

### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation. Housing requires top access.

**Remodel:** Can be installed in an existing ceiling. Pivoting arm allows for installation in 2 x 6 construction. *\*Consult factory or spec sheet for new construction mounting frame for remodel.*

**DRIVER/DIMMING:** Two options available

**LE3:** Standard 120V Triac/ELV dimming *(New Construction only)*

**LE4:** 120V Triac/ELV or 0-10V / 277V 0-10V

### LISTING:

cULus Listed for Wet Location  
ENERGY STAR

### WARRANTY:

5 Year Limited Warranty



# 2" IOLITE BWF TRIMS



800 LUMEN LED · 2" IOLITE NEW CONST. OR REMODEL HOUSING REQUIRED



**NIOB-2RC**  
2" Round Cone Regress  
30° Adjustable - New Construction  
15° Adjustable - Remodel  
BW, BZ, HW, MPW, NN, WW



**NIOB-2SC**  
2" Square Cone Regress  
15° Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIOB-2RG**  
2" Round Surface Gimbal  
30° Adjustable - New Construction  
15° Adjustable - Remodel  
BW, MPW, NN, WW



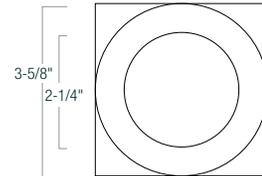
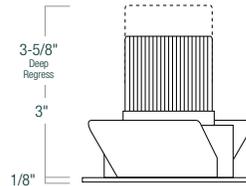
**NIOB-2SG**  
2" Square Surface Gimbal  
15° Adjustable  
BW, MPW, NN, WW



**NIOB-2RNDC**  
2" Round Deep Cone Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIOB-2SNDC**  
2" Square Deep Cone Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



## 2" IOLITE BWF MODULAR LED REFLECTORS REQUIRES NHIOICD-2 OR NHRIOC-2 HOUSING

SERIES	SIZE	SHAPE	REFLECTOR TYPE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NIOB-</b> Trim w/ LED Module	2 2"	<b>R</b> Round <b>S</b> Square	<b>C</b> Adjustable Cone Regress	<b>27</b> 2700K	<b>X</b> 25°/38°/60°	<b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HW</b> Haze / White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White  <i>Not all finishes available on all trims.</i>
			<b>G</b> Adjustable Surface Gimbal	<b>30</b> 3000K		
			<b>NDC</b> Non-Adj. Deep Cone Regress	<b>35</b> 3500K		
				<b>40</b> 4000K		
				<b>50</b> 5000K		

Example: **NIOB-2RG27XBZ** - 2" Iolite Round Surface Gimbal Trim / LED Module, 2700K with 25, 38 and installed 60 degree Reflectors, Bronze finish.

## ACCESSORIES

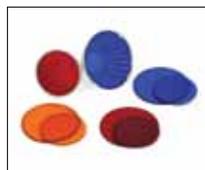
Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 18 for full details.



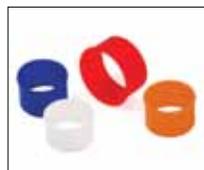
**15° Reflector**  
NIO-REFL15



**Frosted Filter-Reflector**  
NIO-REFL15FR 15°  
NIO-REFL25FR 25°  
NIO-REFL38FR 38°  
NIO-REFL60FR 60°



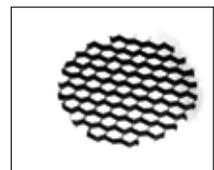
**Color Changing Filter-Reflector Assembly**  
Consult Factory  
Blue, Amber or Red



**Translucent Deco Collar**  
NIO-AS14(color) 5/8"  
NIO-AS19(color) 3/4"  
NIO-AS26(color) 1"  
Blue, Amber, Frost or Red



**Opaque Collar Snoot**  
NIO-AS14(color) 5/8"  
NIO-AS19(color) 3/4"  
NIO-AS26(color) 1"  
Black, Matte Powder White, White



**Hex Cell Louver**  
NIO-HC

# 4" IOLITE HOUSING

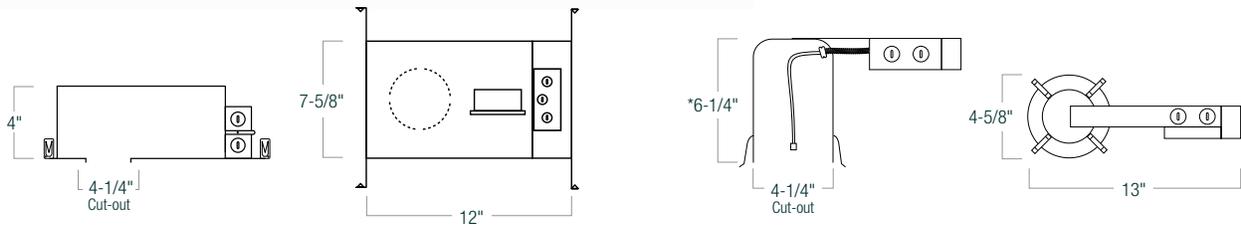
WITH INTEGRAL 800 LUMEN, 14W DRIVER



**NHIOICD-48**  
4" Iolite New Construction Housing



**NHRIOIC-48\***  
4" Iolite Remodel Housing



## 4" IOLITE SERIES HOUSING REQUIRES NIO-4 TRIMS

HOUSING TYPE	APERTURE	LUMENS	VOLTAGE
<b>NHIOICD</b> - New Construction	4 4"	8 800	<b>LE3</b> 120V Triac/ELV Dimming
<b>NHRIOIC</b> - Remodel			<b>LE4</b> 120V Triac/ELV Dimming 0-10V <i>(New Construction only)</i> 277V Dimming 0-10V <i>(New Construction only)</i>

Example: **NHIOICD-48LE3** - 4" Iolite LED New Construction, 800 Lm, 120V Triac Dimming

\* Consult factory for shallow housing

Iolite 4" dedicated LED adjustable and non-adjustable downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes 25°, 38° and an installed 60° reflector. A 15° reflector is also available. The 14W Iolite LED module produces 800 lumens at 95 CRI in various kelvin temperatures.

### ELECTRICAL:

**Voltage:** 120V or 277V AC

**Current:** 350mA

**Lumens / Power Consumption:** 800lm / 14W

**Color Rendering Index:** 95+

**Color Temperature:** 2700K, 3000K, 3500K, 4000K and 5000K

**Operating Temperature:** 0°C~50°C (32°F~122°F)

**Life Expectancy:** 50,000 Hours

### CONSTRUCTION:

**Housing:** Shallow aluminum housing is IC rated and meets air-tight requirements. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

**Trim/Module Construction:** Trims are die-cast aluminum with fine threads for joining of LED module. LED module features Cree COB technology and die-cast aluminum heat sink. Module includes three reflectors for beam angle selection: spot, narrow flood and flood.

### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

**Remodel:** High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

**DIMMING:** Two options available

**LE3:** Standard 120V Triac/ELV dimming

**LE4:** 120V Triac/ELV or 0-10V / 277V 0-10V *(New Construction only)*

### Listing:

cULus Listed for Wet Location *(with the exception of NIO-4RD and NIO-4SD Series)*  
ENERGY STAR

### Warranty:

5 Year Limited Warranty



# 4" IOLITE TRIMS



800 LUMEN LED · 4" IOLITE NEW CONST. OR REMODEL HOUSING REQUIRED



**NIO-4RC**  
4" Round Cone Regress  
45° Adjustable - New Construction  
40° Adjustable - Remodel  
BW, BZ, HW, MPW, NN, WW



**NIO-4SC**  
4" Square Cone Regress  
35° Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIO-4RG**  
4" Round Surface Gimbal  
45° Adjustable - New Construction  
40° Adjustable - Remodel  
BW, MPW, NN, WW



**NIO-4SG**  
4" Square Surface Gimbal  
35° Adjustable  
BW, MPW, NN, WW



**NIO-4RD**  
4" Round Deep Adjustable Regress  
45° Adjustable - New Construction  
40° Adjustable - Remodel  
BW, BZ, HW, MPW, NN, WW



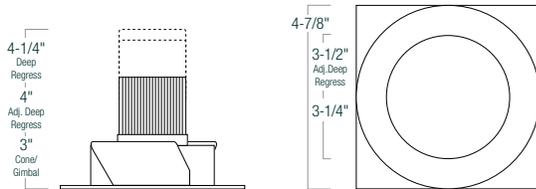
**NIO-4SD**  
4" Square Deep Adjustable Regress  
35° Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIO-4RNDC**  
4" Round Deep Cone Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIO-4SNDC**  
4" Square Deep Cone Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



## ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 18 for full details.

- NIO-REFL15** 15° Reflector
- NIO-REFL(degree)FR** Frosted Filter-Reflector Assembly  
Degree: 15, 25, 38, 60
- Consult Factory** Color Changing Filter-Reflector Assembly  
Color: BLU, AM, R
- NIO-AS(depth)(finish)** Translucent Deco Collar  
Depth: 14, 19, 26 Finish: BLU, FR, AM, R
- NIO-AS(depth)(finish)** Opaque Snoot Collar  
Depth: 14, 19, 26 Finish: BLK, MPW, WH
- NIO-HC** Hex Cell Louver

## 4" IOLITE MODULAR LED REFLECTORS REQUIRES NHIOICD-4 OR NHRIOIC-4 HOUSING

SERIES	SIZE	SHAPE	REFLECTOR TYPE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NIO-</b> Trim w/ LED Module	4 4"	<b>R</b> Round <b>S</b> Square	<b>C</b> Adjustable Cone Regress	<b>27</b> 2700K	<b>X</b> 25°/38°/60°	<b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HW</b> Haze / White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White <i>Not all finishes available on all trims.</i>
			<b>G</b> Adjustable Surface Gimbal	<b>30</b> 3000K		
			<b>D</b> Adjustable Deep Regress	<b>35</b> 3500K		
			<b>NDC</b> Non-Adj. Deep Cone Regress	<b>40</b> 4000K		
				<b>50</b> 5000K		

Example: **NIO-4SG30XNN** - 4" Iolite, Square Regressed Surface Gimbal Trim / LED Module, 800 Lumen, 3000K, Natural Metal finish

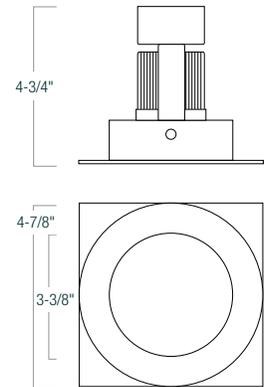


# 4" IOLITE RETROFIT

WITH INTEGRAL 800 LUMEN, 14W DRIVER



4" Iolite retrofit allows Cone Regress and Surface Gimbal 4" die-cast aluminum trims to be used as 20° adjustable accent or down lights in existing 4" Nora housings or housings by others which can accommodate the 4-3/4" retrofit unit depth.



Medium Screw Base (included)  
Optional GU24 adapter available

## 4" IOLITE LED RETROFIT ADJUSTABLE

SERIES	SIZE	SHAPE	REFLECTOR TYPE	COLOR TEMP	BEAM SPREAD	FINISH
NIR-LED Retrofit	4 4" Adjustable	R Round S Square	C Cone Regress G Surface Gimbal	27 2700K	X 25°/38°/60°	<b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HW</b> Haze / White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White <i>Not all finishes available on all trims.</i>
				30 3000K		
				35 3500K		
				40 4000K		
				50 5000K		

Example: **NIR-4RC27XWW** - 4" Iolite Retrofit Series Round Cone Regress Retrofit Trim with Module and Driver, 800 Lumen, 2700K, White with White

## COMPATIBLE HOUSINGS

### 4" IOLITE RETROFIT

#### NEW CONSTRUCTION

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277
- NSIC-401QAT** 4" ICAT Line Voltage\*
- NS-401QAT** 4" AT Line Voltage\*

#### REMODEL

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NHRIC-4LMRAT/277** 4" ICAT Dedicated LED, 277
- NSR-404QAT** 4" AT Line Voltage, 277\*

#### FIRE BOX

- NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box

\* Remove socket, connect to line voltage

Iolite 4" Retrofit LED adjustable downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes 25°, 38° and an installed 60° reflector. A 15° reflector is also available. The 14W Iolite LED module produces 800 lumens at 95 CRI in various kelvin temperatures.

#### ELECTRICAL:

- Voltage:** 120V AC
- Current:** 350mA
- Lumens / Power Consumption:** 800lm / 14W
- Color Rendering Index:** 95+
- Color Temp.:** 2700K, 3000K, 3500K, 4000K, and 5000K
- Operating Temperature:** 0°C~75°C (32°F~167°F)
- Life Expectancy:** 50,000 Hours

**CONSTRUCTION:** Heat dissipating, die-cast aluminum LED heat sink, lamp holder and trims.

**MINIMUM CLEARANCES:** Iolite Retrofit requires a housing depth of 4-3/4". In some cases, removal of existing socket may be required. Unit ships with disconnect for dedicated hard wiring.

#### INSTALLATION:

**Remodel:** Trim includes ideal connectors for easy connection and friction blades to mount trim securely to housing.

**DIMMING:** 120V Triac/ELV dimming

**DIMMING OPTIONS:** White light dimming (standard)

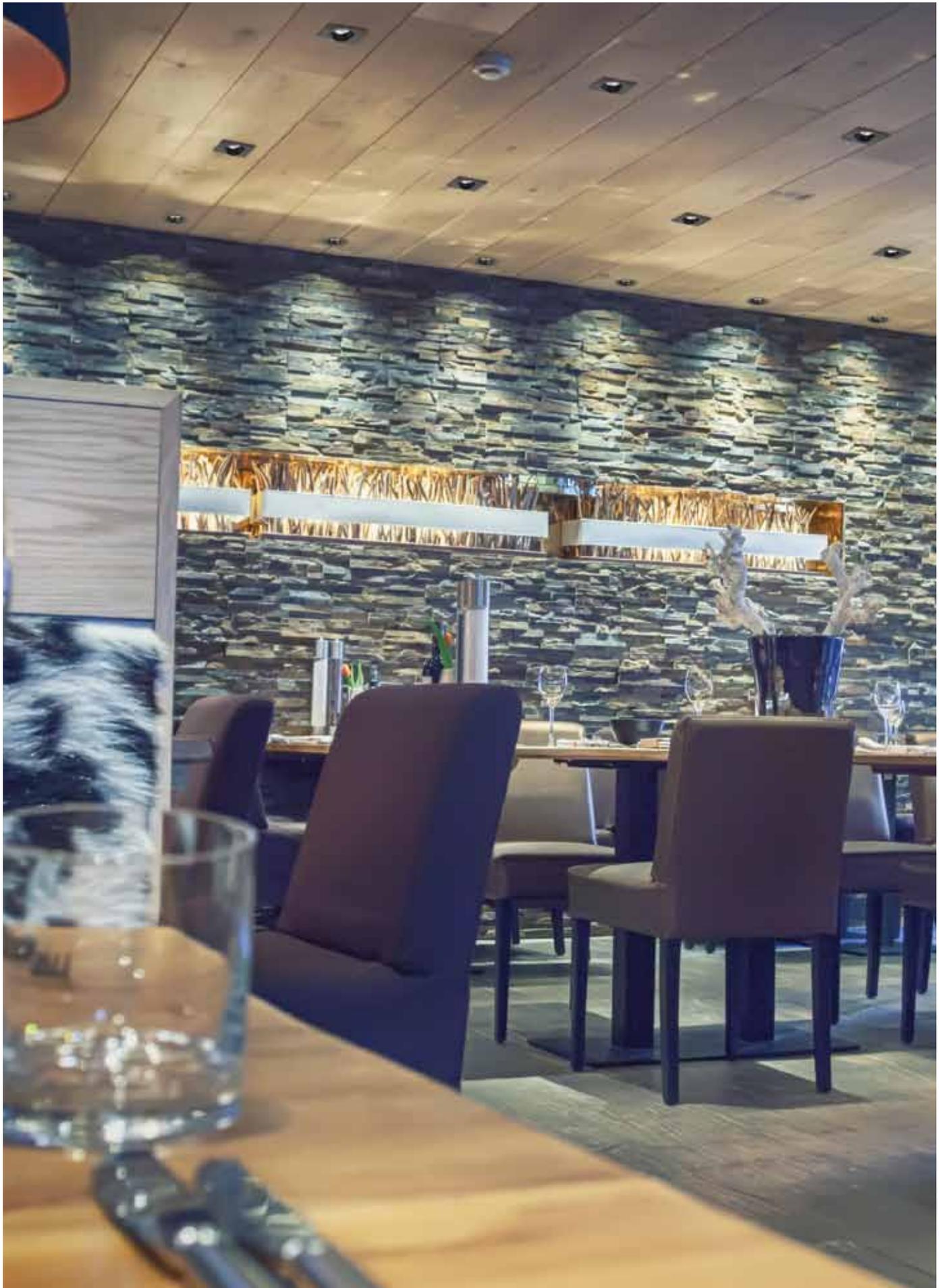
#### Listing:

- cULus Listed for Wet Location
- ENERGY STAR
- Title 24 Compliant
- ROHS

#### Warranty:

5 Year Limited Warranty





# ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim.



## 15° Reflector

### NIO-REFL15

Reflector for 2" and 4" Iolite trims only.



## Frosted Filter-Reflector Assembly

**NIO-1REFL20FR** 20° Reflector, 1" Iolite  
**NIO-1REFL40FR** 40° Reflector, 1" Iolite  
**NIO-1REFL60FR** 60° Reflector, 1" Iolite

**NIO-REFL15FR** 15° Reflector, 2" and 4" Iolite  
**NIO-REFL25FR** 25° Reflector, 2" and 4" Iolite  
**NIO-REFL38FR** 38° Reflector, 2" and 4" Iolite  
**NIO-REFL60FR** 60° Reflector, 2" and 4" Iolite

Filter-Reflector assemblies include specified reflector and frosted lens. Lens can be installed in other reflectors supplied with units.

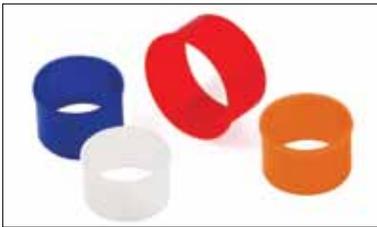


## Color Changing Filter-Reflector Assembly

### Consult Factory

**COLORS:** BLU Blue; AM Amber; R Red

Filter-Reflector assemblies include 60 degree reflector and specified colored lens. Color lens can be installed in other reflectors supplied with units if a different beam spread is desired.



## Translucent Deco Collar

**NIO-1AS15(color)** 5/8" (15mm) depth, 1" Iolite  
**NIO-1AS19(color)** 3/4" (19mm) depth, 1" Iolite  
**NIO-1AS24(color)** 1" (24mm) depth, 1" Iolite

**NIO-AS14(color)** 5/8" (15mm) depth, 2" and 4" Iolite  
**NIO-AS19(color)** 3/4" (19mm) depth, 2" and 4" Iolite  
**NIO-AS26(color)** 1" (24mm) depth, 2" and 4" Iolite

**FINISH:** BLU Blue; FR Frost; AM Amber; 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.



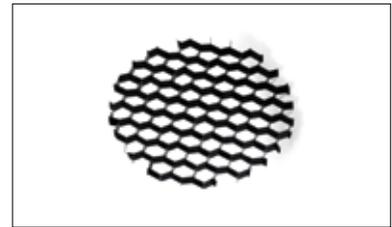
## Opaque Collar Snoot

**NIO-1AS15(color)** 5/8" (15mm) depth, 1" Iolite  
**NIO-1AS19(color)** 3/4" (19mm) depth, 1" Iolite  
**NIO-1AS24(color)** 1" (24mm) depth, 1" Iolite

**NIO-AS14(color)** 5/8" (15mm) depth, 2" and 4" Iolite  
**NIO-AS19(color)** 3/4" (19mm) depth, 2" and 4" Iolite  
**NIO-AS26(color)** 1" (24mm) depth, 2" and 4" Iolite

**COLOR:** BLK Black; MPW Matte Powder White; WH White

Opaque snoot greatly reduces aperture brightness while preserving light output. (Note: Black snoot will reduce light).

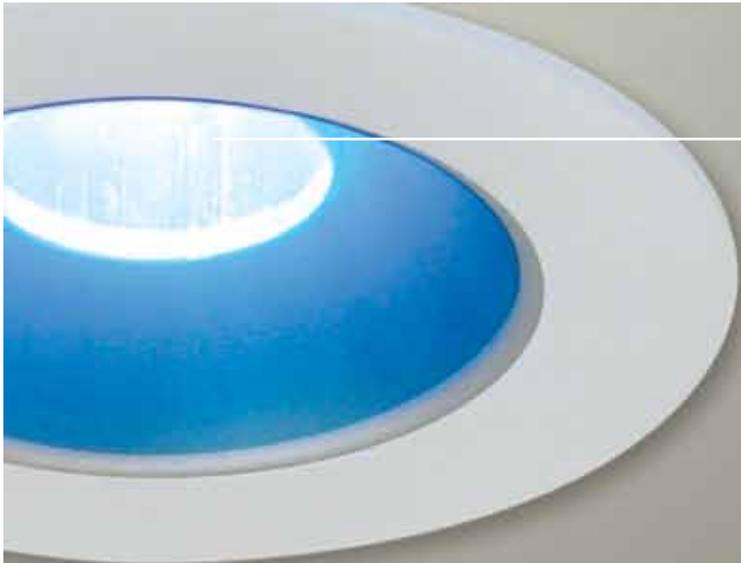


## Hex Cell Louver

**NIO-1HC** for 1" Iolite

**NIO-HC** for 2" and 4" Iolite

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



Color the aperture while producing white general light with **Translucent Collars**

NIO-4RNDC30XHW / NIO-AS19BLU  
4" Round Deep Regress Trim with Translucent Deco Collar in Blue

Create a mood with **Color Accessories**

NIO-4SNDC30XWW / NIO-AS19AM  
4" Square Deep Cone Regress Trim with Translucent Deco Collar in Amber



Reduce aperture brightness while preserving light output with **Opaque Collars**

NIOB-2SG30XWW / NIO-AS26BLK  
2" Square Surface Gimbal Trim with Opaque Collar Snoot in Black

Create a soft glow with **Frosted Accessories**

NIOB-1RNG40XWW / NIO-1AS24FR  
1" BWF Round Straight Regress Trim with Translucent Deco Collar in Frost



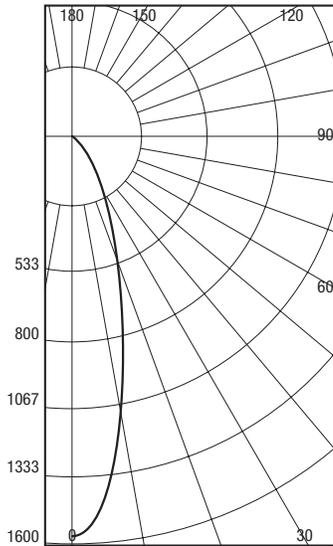
# PHOTOMETRICS 1" IOLITE



## 1" IOLITE LED 3000K, 20°

Item Number: NIO-1RNG3020WWLE3  
 Lamp Output: 605.1 Lumens  
 Max Candela: 1573.3

INTENSITY (CP) SUMMARY



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	462.6	76.4
0-40	532.7	88.0
0-60	581.5	96.1
0-90	605.1	100.0

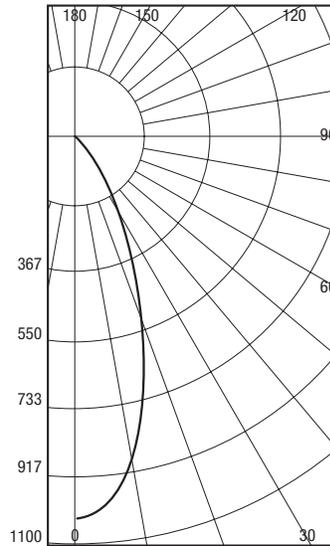
ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
393 fc	2'	1.0'
98.3 fc	4'	2.0'
43.7 fc	6'	3.0'
24.6 fc	8'	4.0'
15.7 fc	10'	5.0'
10.9 fc	12'	6.0'

## 1" IOLITE LED 3000K, 40°

Item Number: NIO-1RNG3040WWLE3  
 Lamp Output: 610 Lumens  
 Max Candela: 1029.0

INTENSITY (CP) SUMMARY



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	440.3	72.2
0-40	515.7	84.5
0-60	571.9	93.7
0-90	610	100.0

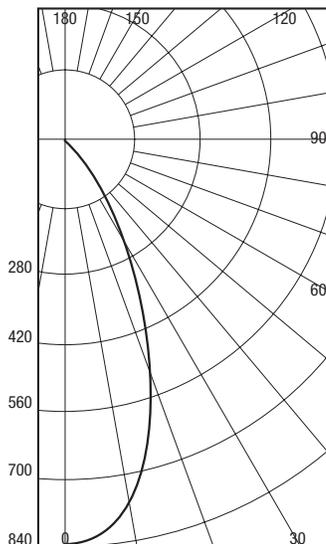
ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
257 fc	2'	1.5'
64.3 fc	4'	2.9'
28.6 fc	6'	4.4'
16.1 fc	8'	5.9'
10.3 fc	10'	7.4'
7.15 fc	12'	8.8'

## 1" IOLITE LED 3000K, 60°

Item Number: NIO-1RNG3060WWLE3  
 Lamp Output: 610 Lumens  
 Max Candela: 832.1

INTENSITY (CP) SUMMARY



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	431.2	70.7
0-40	526.4	86.3
0-60	579.7	95.0
0-90	609.9	100.0

ILLUMINANCE AT A DISTANCE

FOOTCANDLES CENTER BEAM	HEIGHT (IN FEET)	BEAM DIAMETER
208 fc	2'	1.8'
52.0 fc	4'	3.5'
23.1 fc	6'	5.3'
13.0 fc	8'	7.1'
8.32 fc	10'	8.9'
5.78 fc	12'	10.6'

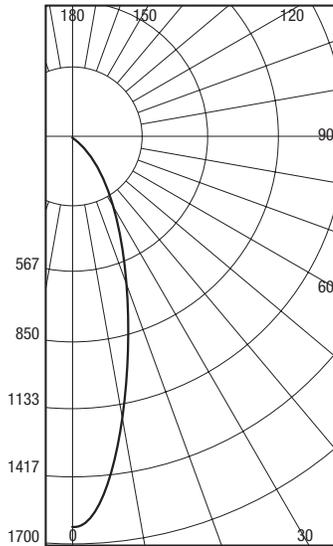
# PHOTOMETRICS 2" IOLITE



## 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

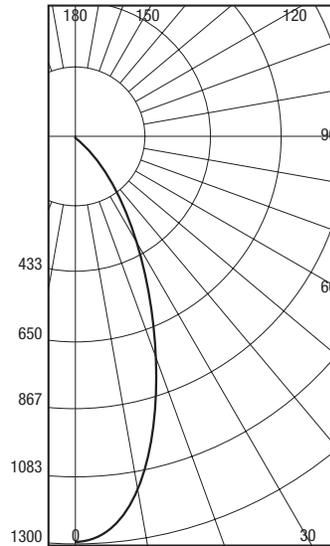
ILLUMINANCE AT A DISTANCE

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

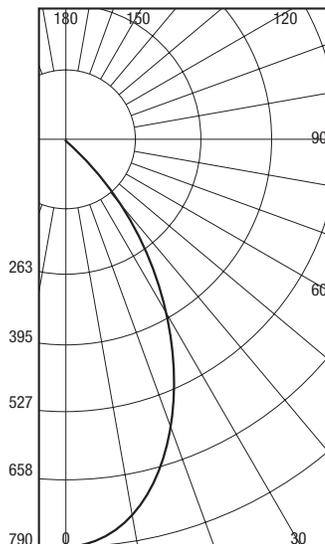
ILLUMINANCE AT A DISTANCE

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'

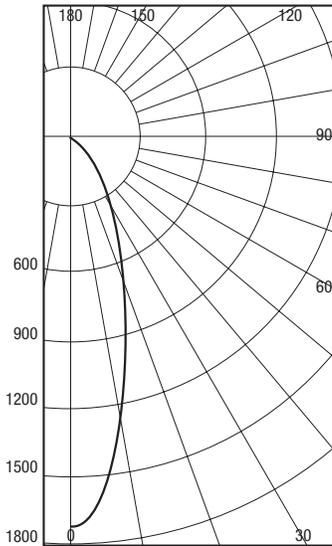
# PHOTOMETRICS 4" IOLITE



## 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

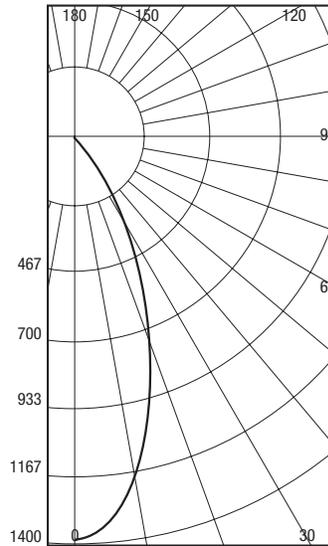
ILLUMINANCE AT A DISTANCE

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

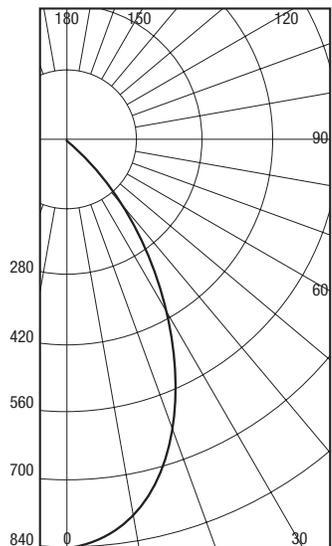
ILLUMINANCE AT A DISTANCE

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'



# IOLITE LED

1", 2" and 4" Modular LED Downlights



**NORA** | *NSPEC*

6505 Gayhart St., Commerce, CA 90040  
Tel: (800) 686-6672 | Fax: (800) 500-9955  
[www.noralighting.com](http://www.noralighting.com)

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