

NORA[®]
LIGHTING



IOLITE SERIES

SMALL APERTURE LED DOWNLIGHTING &
MULTIPLE LIGHTING SYSTEM



IOLITE SERIES

SMALL APERTURE DOWNLIGHTING

Iolite Series offers hundreds of design possibilities for any project and specification. Family consists of 1", 2" and 4" die-cast trims, that produce up to 2500 lumens in a variety of color temperatures.

Trim options include round or square apertures, adjustable, multiple finishes, trimless or flush mount. Series' functionality and versatility allows each downlight to meet the design criteria's needs. Each LED module ships with three field changeable optics (spot, narrow flood and flood) to direct the beam of light when needed. 2" and 4" downlights offer a clean knife edge appearance with trimless or flush mount options.

Entire family is available with dedicated housings or can-less without any housing. 4" Trims are also available in retrofit for use in existing housings. 1" and 2" remodel housings feature a flat frame option for access to the junction box from below the ceiling.

PERFORMANCE

- 1" trims produce up to 600 lumens
- 2" and 4" trims produce up to 2500 lumens
- 2700K, 3000K, 3500K, 4000K, 5000K or Comfort Dim technology @ 90+ CRI

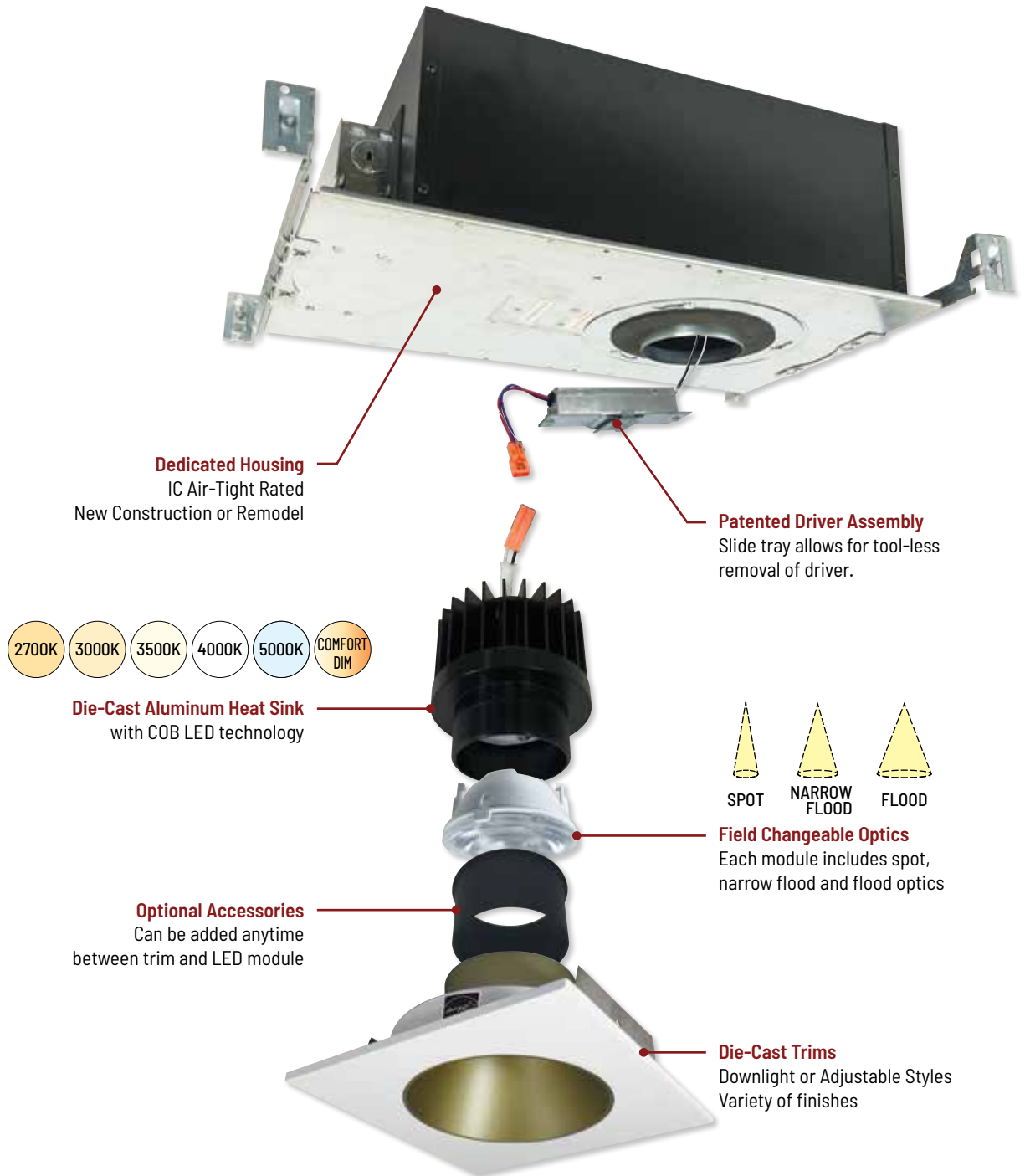
VERSATILITY

- Variety of different trim and trimless styles
- Round or Square trims available in multiple finishes
- Each LED module includes three optics (Narrow spot 10° TIR module assembly also available)
- Decorative collars, snoots and louver accessories
- Three mounting styles (standard flange, trimless or flush mount)
- Can-less (without housing) or with dedicated housings (new construction or remodel)

INNOVATION

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

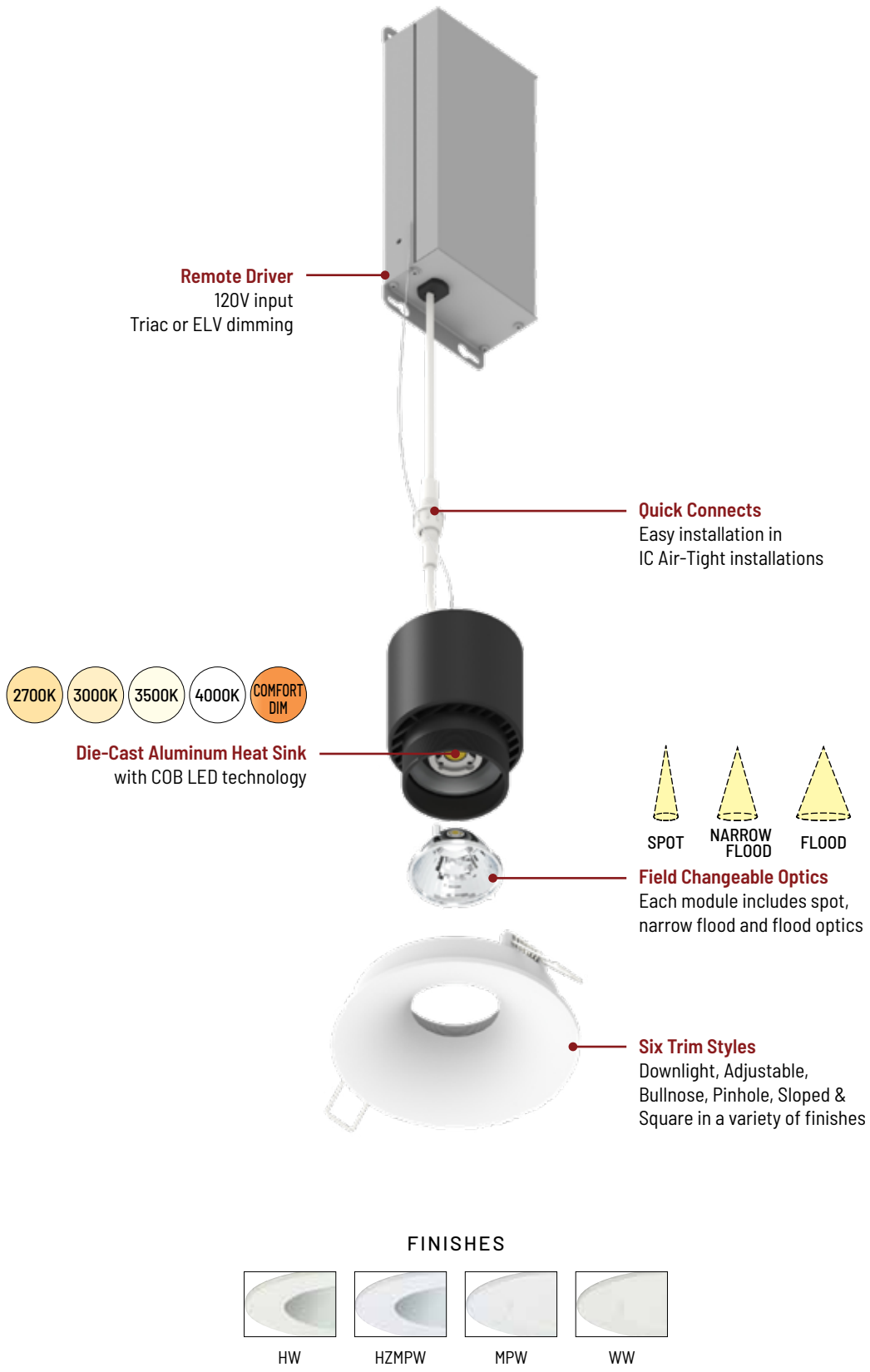
IOLITE DOWNLIGHT SYSTEM



FINISHES



IOLITE CAN-LESS DOWNLIGHTS



FIXTURES SHOWN ACTUAL SIZE

COB LED technology module features die-cast aluminum heat dissipating fins. Module's fine threads screw into die-cast aluminum trims.

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

DIRECTED LIGHT

Iolite is designed with dedicated optics offered in flood, narrow flood and spot patterns. Optics are included with each module and can easily be installed during final installation without any tools. Specially designed optics 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 Iolite downlight produce with less wattage.

1" IOLITE

2" IOLITE

THREE FINISHING OPTIONS



4" IOLITE TRIMLESS

TRIMLESS

Often referred to as flange-less, the trimless option is considered the premium finishing technique. Trimless knife edge effect requires the installation of a mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud ring, sands and paints. The trimless is then inserted into the mud ring and the result is a spectacular, minimalist appearance with no flange.

FLUSH MOUNT

Flush mount option requires the installation of a flush mount mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud ring, sands and paints. The flanged trim is then inserted into the mud ring, even with the ceiling plane, for a beautiful seamless appearance.



4" IOLITE FLUSH MOUNT

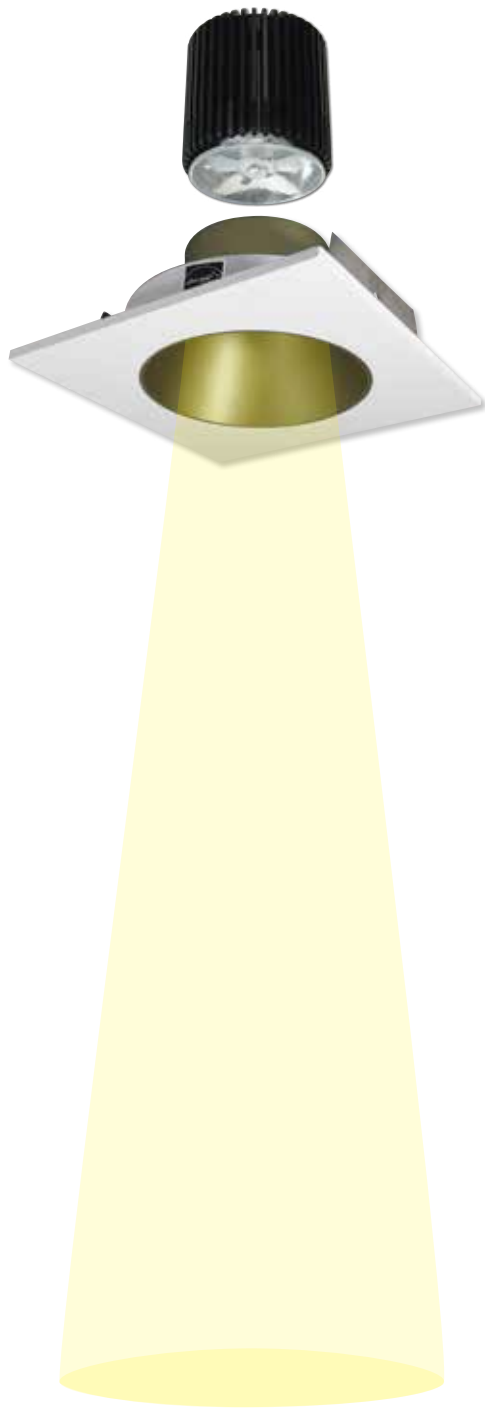
FLANGED

A standard finishing technique, the flanged option requires the least labor and offers the largest selection of trims. Iolite flanges are extremely thin, extending off the ceiling ever so slightly, approximately $\frac{1}{16}$ ".



4" IOLITE (STANDARD)





10° TIR OPTIC

NARROW SPOT LED MODULE

Dedicated LED module specifically built to achieve a super narrow spot. Standard Iolite modules include field changeable optics and cannot be adapted to utilize the 10 degree optic.

Why choose a narrow spot TIR optic?

Some applications will require a perfect beam of light on a particular object or area.

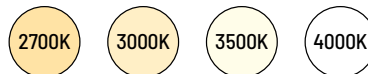
Example: Art, retail display, museums, foyers, etc.

Less lumens than 1000lm Iolite modules?

When using tight beam spreads, center beam candlepower (CBCP) is more important than delivered lumens. Allows for less spill light and more punch on the focal point. Delivering over 20 footcandles at 20' distance.

LUMENS / WATTAGE: 800-900lm / 12W

COLOR TEMPERATURE: 2700K, 3000K, 3500K, 4000K



COMPATIBLE TRIMS: ALL 2" FLANGED & TRIMLESS
ALL 4" FLANGED & TRIMLESS



HOW TO ORDER: CHANGE "X" IN CCT TO "Q" (example: NIO-4RCQWW)

2" FLANGED



2" TRIMLESS

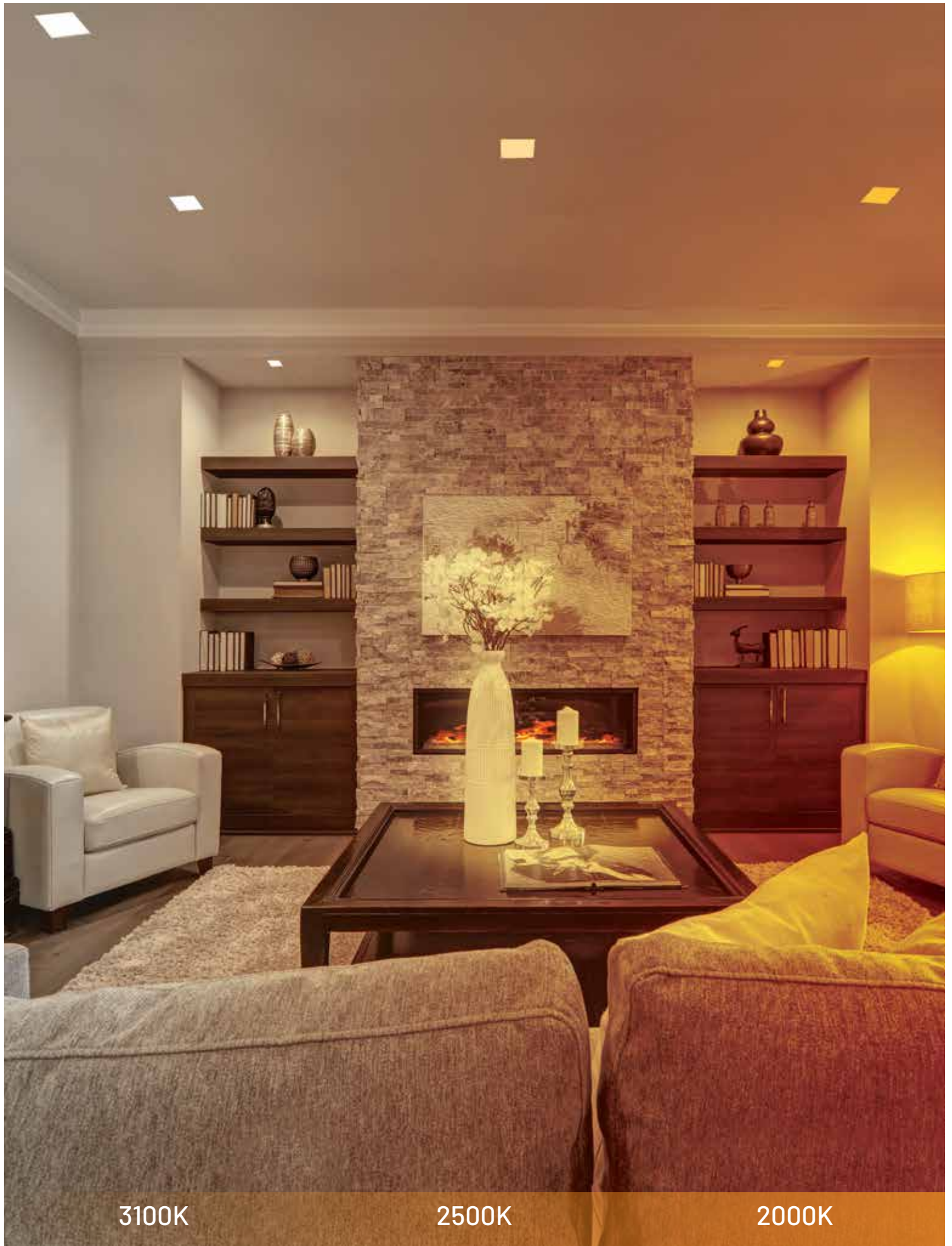


4" FLANGED



4" TRIMLESS





3100K

2500K

2000K

LED Dimming Two Choices

WHITE LIGHT DIMMING AND COMFORT DIM

Sapphire, Marquise, Lolite, Pearl and Cobalt Click Series offer both white light dimming and Comfort Dim technology.

WHITE LIGHT DIMMING (STANDARD)

Consistent color across dimming range keeps colors natural and consistent

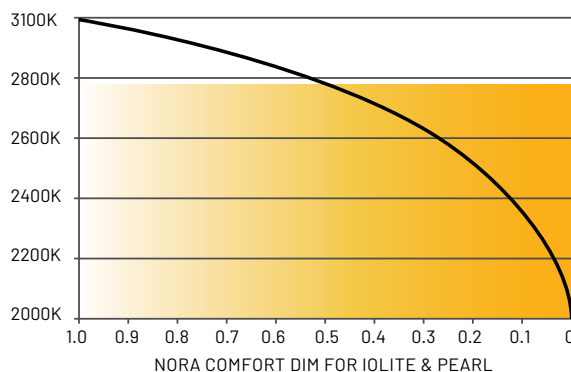
Unlike incandescent dimming, most LED dimming does not change in color as power decreases but remains close to the original color temperature of the source. This is called White Light Dimming. White Light dimming is also found with fluorescent dimming, and has become accepted in most commercial, architectural and residential applications primarily because there were not other energy efficient solutions that would warm the light as it was dimmed.



COMFORT DIM (OPTIONAL)

Warm, rich light dimming creates an intimate atmosphere

An innovation in energy efficient dimming, Comfort Dim presented by Nora, warms the light as power is reduced. Comfort Dim color tunes the temperature from a bright color to a warm and romantic incandescent feel. Lolite and Pearl Series goes from 3100K to 2000K and Cobalt Series goes from 3100K to 1700K. The warm dim Comfort Dim is the perfect solution for restaurants, cineplex, home theaters, multi-purpose event venues and other applications where the temperature and comfort of the light sets the mood.



*1" and 2 3/4" Comfort Dim dim on a different curve.
Do not put 1" CD and 2 3/4" CD on the same switch leg (dimmer).*

IOLITE CAN-LESS COMMERCIAL AND RESIDENTIAL

1" 950LM



NJCB-09
9W Remote Driver



NIOC-1LED
1" 950lm LED Module
(includes three field changeable optics)



NIOC-1RNG
1" Round Downlight Trim
HW, MPW, WW



NIOC-1SNG
1" Square Downlight Trim
HW, MPW, WW



NIOC-1RNB
1" Round Bullnose Trim
MPW, WW

FINISHES



HW



MPW



WW

REMOTE DRIVER

DESCRIPTION

NJCB-09 9W Remote Driver
120V input; Triac / ELV dimming

Example: **NJCB-09** - 9W Remote Driver

1" IOLITE CAN-LESS MODULE

DESCRIPTION

NIOC-1LED 950lm LED Module

COLOR TEMPERATURE

27X 2700K
30X 3000K
35X 3500K
40X 4000K
CDX Comfort Dim
(2900K to 1900K)

Example: **NIOC-1LED30X** = 1" Iolite LED Module, 950lm / 3000K

1" IOLITE CAN-LESS TRIMS

DESCRIPTION

NIOC-1RNB Round Bullnose
NIOC-1RNG Round Downlight
NIOC-1SNG Square Downlight

FINISH

HW Haze / White
MPW Matte Powder White
WW White

Example: **NIOC-1SNGHW** = 1" Iolite Square Downlight, Haze / White

1" Iolite can-less downlights allow for small aperture lighting without any housing. The modular system is ordered separately, which allows users to field change both the trim and beam spread without the use of tools. Simply cut the ceiling, wire the junction box and insert the IC Air-Tight luminaire in the ceiling cavity.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 950lm / 9W

Color Temperature: 2700K, 3000K, 3500K, 4000K and Comfort Dim (2900K-1900K)

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 2900K, to a romantic and comfortable 1900K on a gradual, even curve.

OPTICS:

Three field-changeable optics are included with each LED module: narrow flood, spot and flood (pre-installed). Optional frosted optics are also available, see page 27.

CONSTRUCTION:

Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source and meet air-tight requirements. IC rated for direct contact with thermal insulation.

INSTALLATION:

No housing is required, two tension steel spring clips secure luminaire to ceiling. Accommodates ceiling thickness up to 3/4".

ACCESSORIES: Trims can accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 27.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE CAN-LESS

1250LM 2" & 4"



REMOTE DRIVER	
DESCRIPTION	
NJCB-12	12W Remote Driver 120V input; Triac / ELV dimming
Example: NJCB-12 - 12W Remote Driver	

2" & 4" IOLITE CAN-LESS MODULE	
DESCRIPTION	COLOR TEMPERATURE
NIOC-24LED 1250lm LED Module	27X 2700K
	30X 3000K
	35X 3500K
	40X 4000K
	CDX Comfort Dim (3100K to 2000K)
Example: NIOC-24LED30X = 2" & 4" Iolite Module, 1250lm / 3000K	

2" & 4" IOLITE CAN-LESS TRIMS	
DESCRIPTION	FINISH
NIOC-2RNB 2" Round Bullnose	B Black
NIOC-2RPH 2" Round Pinhole	HW Haze / White
NIOC-2RND 2" Round Downlight	HZMPW Haze / MPW
NIOC-2SND 2" Square Downlight	MPW Matte Powder White
NIOC-4RNB 4" Round Bullnose	WW White
NIOC-4RPH 4" Round Pinhole	Not all finishes available on all trims
NIOC-4RSP 4" Round Sloped Ceiling	
NIOC-4RSLA 4" Round Adjustable Slot	
NIOC-4RND 4" Round Downlight	
NIOC-4SND 4" Square Downlight	
Example: NIOC-4SNDCHW = 4" Iolite Square Downlight, Haze / White	

2" & 4" Iolite can-less downlights allow for small aperture lighting without any housing. The modular system is ordered separately, which allows users to field change both the trim and beam spread without the use of tools. Simply cut the ceiling, wire the junction box and insert the IC Air-Tight luminaire in the ceiling cavity.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 1250lm / 12W

Color Temperature: 2700K, 3000K, 3500K, 4000K and Comfort Dim (3100K-2000K)

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

OPTICS:

Three field-changeable optics are included with each LED module: narrow flood, spot and flood (pre-installed). Optional frosted and TIR optics are also available, see page 27.

CONSTRUCTION:

Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source and meet air-tight requirements. IC rated for direct contact with thermal insulation.

INSTALLATION:

No housing is required, two tension steel spring clips secure luminaire to ceiling. Accommodates ceiling thickness up to 3/4".

ACCESSORIES: Trims can accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 27.

LISTING & WARRANTY:

- cULus Listed for Wet Location (NIOC-4RSLA & NIOC-4RSP are rated for damp locations)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- 5 Year Limited Warranty



IOLITE DEDICATED COMMERCIAL AND RESIDENTIAL

1" HOUSINGS 600LM

Patent No. D824567S



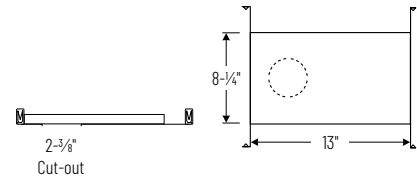
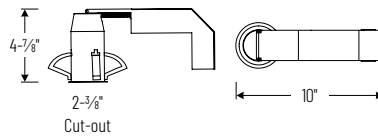
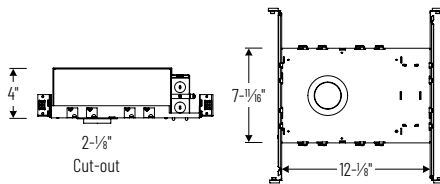
NHIOICD-16 / NHIOICDCP-16
1" Iolite New Construction Housing



NHRIOIC-16
1" Iolite Remodel Housing



NHIOFK-1
1" Iolite Frame-In for Remodel Housing
Allows access to junction box from below the ceiling



1" IOLITE HOUSINGS

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	OPTIONAL EMERGENCY WIRING
NHIOICD-16 IC Air-Tight New Construction, 600lm / 10W	LE3 120V input; Triac / ELV Dimming LE4 120-277V input; Triac / ELV / 0-10V Dimming	/PEM Remote Emergency /EM2 Integrated Emergency w/ Remote Test Switch
NHIOICD-16 IC Air-Tight New Construction, 600lm / 10W NHIOICDCP-16 Chicago Plenum New Construction, 600lm / 10W	LE3 120V input; Triac / ELV Dimming LE4 120-277V input; Triac / ELV / 0-10V Dimming	
NHRIOIC-16 IC Air-Tight Remodel, 600lm / 10W	LE4 120-277V input; Triac / ELV / 0-10V Dimming	
NHIOFK-1 New Construction Frame-In for 1" Iolite Remodel Housing - Allows access to junction box from below the ceiling		

Example: **NHIOICD-16LE3** - 1" New Construction Housing, 600lm / 10W, 120V input; Triac / ELV dimming

1" Iolite Dedicated LED adjustable and non-adjustable downlights are available in square and round trims. The modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes spot, narrow flood and flood optics.

ELECTRICAL:

Voltage: 120V or 120-277V
Lumens / Wattage: 600lm / 10W
Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3000K-1900K)
Color Rendering Index: 90+ CRI
Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3000K, to a romantic and comfortable 1900K on a gradual, even curve.

CONSTRUCTION:

New Construction Housing: Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Patented driver assembly allows driver to slide out for maintenance.

Remodel Housing: Steel housing connects to pivoting arm with junction box and driver compartment. IC rated for direct contact with thermal insulation. New construction flat frame available to allow access to junction box from below the ceiling.

Luminaire: Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field-changeable optics are included with each LED module: narrow flood, spot and flood. Optional frosted optics are also available, see page 27.

EMERGENCY: New construction housing can be specified with connections for remote emergency or driver can be mounted on junction box. (Remote emergency battery ordered separately, NEPK-07LEDUNV)
Note: CCEA housings are not compatible with emergency.

INSTALLATION:

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

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

ACCESSORIES: Variety of housing and trim accessories are available on page 27.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ROHS compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE DEDICATED

600LM 1" BWF TRIMS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



NIOB-1RNB
1" Round Bullnose
Non-Adjustable
BB, BZ, MPW, NN, WW



NIOB-1SNB
1" Square Bullnose
Non-Adjustable
BB, BZ, MPW, NN, WW



NIOB-1RNG
1" Round Reflector
Non-Adjustable
BB, BW, BZ, CHMPW,
HW, MPW, NN, WW



NIOB-1SNG
1" Square Reflector
Non-Adjustable
BB, BW, BZ, CHMPW,
HW, MPW, NN, WW



NIOB-1RPH
1" Round Pinhole
Non-Adjustable
BB, BMPW, HZMPW, MPW



NIOB-1RSL
1" Round Slot Aperture
30° Adjustable - New Const.
15° Adjustable - Remodel
BB, BMPW, HZMPW, MPW

1" IOLITE BWF TRIMS REQUIRES NHIOICD-16 OR NHRIOIC-16 HOUSING

SERIES / SHAPE	TRIM TYPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NIOB-1R Round BWF NIOB-1S Square BWF	NB Bullnose NG Reflector PH Non-Adjustable Pinhole (round only) SL Adjustable Slot Aperture (round only)	27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K CDX Comfort Dim*	BB Black / Black BMPW Black / Matte Powder White BW Black / White BZ Bronze / Bronze CHMPW Champagne Haze / Matte Powder White HW Haze / White HZMPW Haze / Matte Powder White MPW Matte Powder White NN Natural Metal WW White / White <i>Not all finishes available on all types</i>	(blank) 600lm / 10W

Example: **NIOB-1RNG27XBZ** - 1" Round BWF Reflector, 2700K, Bronze Reflector / Bronze Flange, 600lm / 10W

FINISHES



The iPOINT series are low voltage monopoints that require a 1" Iolite new construction or remodel housing. The series is adjustable and replicate an Iolite trim.

1" iPOINT REQUIRES NHIOICD-16 OR NHRIOIC-16 HOUSING

FIXTURE TYPE / LUMENS	COLOR TEMPERATURE / CRI	FINISH
NIOB-1RCY Cylinder - 750lm / 10W	40X 4000K / 90 CRI	BB Black Interior / Black Exterior MPW Matte Powder White Interior & Exterior
NIOB-1RTC Cone - 900lm / 10W	27X 2700K / 90 CRI 30X 3000K / 90 CRI 40X 4000K / 90 CRI	

Example: **NIOB-1RCY40XBB** - 1" iPOINT Cylinder, 750lm / 10W, 4000K / 90 CRI, Black Finish



NIOB-1RCY
1" iPOINT Cylinder
BB, MPW

Shown with
black insert
(included with MPW)



NIOB-1RTC
1" iPOINT Cone
BB, MPW

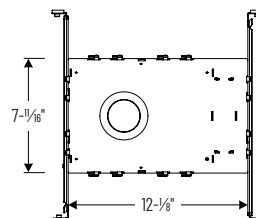
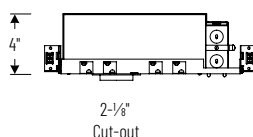
IOLITE DEDICATED COMMERCIAL AND RESIDENTIAL

1" HOUSINGS 600LM



Patent No. D824567S

NHIOICD-16 / NHIOICDCP-16
1" Iolite New Construction Housing



1" IOLITE HOUSINGS COMPATIBLE WITH NIO-1 AND NIOB-1 TRIMS

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	OPTIONAL EMERGENCY WIRING
NHIOICD-16 IC Air-Tight New Construction	LE3 120V input; Triac / ELV Dimming LE4 120-277V input; Triac / ELV / 0-10V Dimming	/PEM Remote Emergency /EM2 Integrated Emergency w/ Remote Test Switch
NHIOICDCP-16 Chicago Plenum New Construction	LE3 120V input; Triac / ELV Dimming LE4 120-277V input; Triac / ELV / 0-10V Dimming	

Example: **NHIOICD-16LE3** - 1" New Construction Housing, 600lm / 10W, 120V input; Triac / ELV dimming

1" Iolite Dedicated LED adjustable and non-adjustable downlights are available in square and round trims. The modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes spot, narrow flood and flood optics.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage: 600lm / 10W

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3000K-1900K)

Color Rendering Index: 90+ CRI

Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3000K, to a romantic and comfortable 1900K on a gradual, even curve.

CONSTRUCTION:

Housing: Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Patented driver assembly allows driver to slide out for maintenance.

Luminaire: Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field-changeable optics are included with each LED module: narrow flood, spot and flood. Optional frosted optics are also available, see page 27.

EMERGENCY: New construction housing can be specified with connections for remote emergency or driver can be mounted on junction box. (Remote emergency battery ordered separately, NEPK-07LEDUNV)
Note: CCEA housings are not compatible with emergency.

INSTALLATION:

Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90°. Bar hangers are slotted for T-bar installation.

ACCESSORIES: Variety of housing and trim accessories are available on page 27.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ROHS compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE DEDICATED

600LM 1" NTF TRIMS

NEW CONSTRUCTION HOUSING REQUIRED



NIO-1RNB
1" Round Bullnose
Non-Adjustable
BB, BZ, MPW, NN, WW



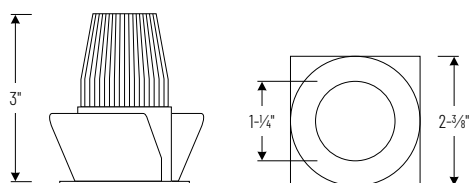
NIO-1SNB
1" Square Bullnose
Non-Adjustable
BZ, MPW, NN, WW



NIO-1RNG
1" Round Reflector
Non-Adjustable
BW, BZ, HW, MPW, NN, WW



NIO-1SNG
1" Square Reflector
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 TRIMS NON-ADJUSTABLE · REQUIRES NHIOICD-16 HOUSING

SERIES / SHAPE	TRIM TYPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NIO-1R Round NTF NIO-1S Square NTF	NB Bullnose NG Reflector	27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K CDX Comfort Dim*	BB Black / Black BW Black / White BZ Bronze / Bronze HW Haze / White MPW Matte Powder White NN Natural Metal WW White / White <i>Not all finishes available on all types</i>	(blank) 600lm / 10W
		* 1" Comfort Dim uses a different dimming curve than 2" and 4" Comfort Dim		

Example: **NIO-1RNB27XBZ** - 1" Round NTF Bullnose, 2700K, Bronze Finish, 600lm / 10W

FINISHES



ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 25 for full details.



Ceiling Extension Collar



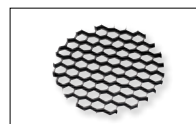
Frosted Filter-Reflector



Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver



Flush Mount Mud Ring

IOLITE DEDICATED COMMERCIAL AND RESIDENTIAL

2" HOUSINGS 1000LM TO 2500LM

Patent No. D824567S



NHIOICD-28 / NHIOICDP-28
1000lm New Construction Housing



NHRIOIC-28
1000lm Remodel Housing

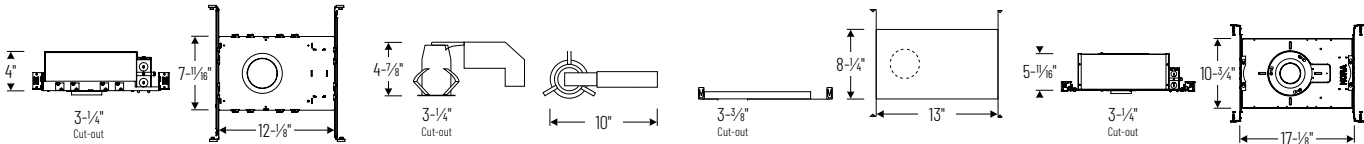


NHIOFK-2
2" Iolite Frame-In for Remodel Housing
Allows access to junction box from below the ceiling.

Patent No. D824567S



NHIOICD-215 / NHIOICD-220 / NHIOICD-225
NHIOICDP-215 / NHIOICDP-220 / NHIOICDP-225
1500lm to 2500lm New Construction Housing



2" IOLITE HOUSINGS

HOUSING TYPE / LUMENS / WATTAGE	DRIVER / DIMMING	OPTIONAL EMERGENCY
NHIOICD-28 IC Air-Tight New Construction, 1000lm / 14W NHIOICDP-28 Chicago Plenum New Construction, 1000lm / 14W	LE3 120V input; Triac / ELV Dimming LE4 120-277V input; Triac / ELV / 0-10V Dimming LUPEQ 120/277V input; Lutron Hi-lume 0.1% EcoSystem DAL 120-277V input; DALI 1% Dimming	/PEM Pre-Wired for Remote Emergency (not compatible with NHIOICDP) /EM2 Integrated Emergency with Remote Test Switch (not compatible with NHIOICDP)
NHIOICD-215 IC Air-Tight New Construction, 1500lm / 20W NHIOICDP-215 Chicago Plenum New Construction, 1500lm / 20W	LE4 120/277V input; Triac / ELV / 0-10V Dimming LUPEQ 120/277V input; Lutron Hi-lume 0.1% EcoSystem DAL 120-277V input; DALI 1% Dimming	
NHIOICD-220 IC Air-Tight New Construction, 2000lm / 24W NHIOICDP-220 Chicago Plenum New Construction, 2000lm / 24W NHIOICD-225 IC Air-Tight New Construction, 2500lm / 28W NHIOICDP-225 Chicago Plenum New Construction, 2500lm / 28W	LE4 120/277V input; Triac / ELV / 0-10V Dimming DAL 120-277V input; DALI 1% Dimming	
NHRIOIC-28 IC Air-Tight Remodel, 1000lm / 14W	LE4 120-277V input; Triac / ELV / 0-10V Dimming	
NHIOFK-2 New Construction Frame-In for 2" Iolite Remodel Housing - Allows access to junction box from below the ceiling		

Example: **NHIOICD-220LE4** - 2" IC Air-Tight New Construction Housing, 2000lm / 24W, 120/277V input; Triac / ELV / 0-10V dimming

2" Iolite 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 reflector and beam spread without the use of tools. Each module includes spot, narrow flood and an installed flood optics (TIR optics are available).

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

1000lm / 14W, 1500lm / 20W, 2000lm / 24W, 2500lm / 28W

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

Color Rendering Index: 90+ CRI

Dimming: Triac, ELV, 0-10V Lutron EcoSystem or DALI 2

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

New Construction Housing: Aluminum air-tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patented design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

Remodel Housing: Steel air-tight housing connects to pivoting arm with junction box and driver compartment. IC rated for direct contact with thermal insulation. New construction flat frame available to allow access to junction box from below the ceiling.

Luminaire: Die-cast aluminum trims are threaded to the LED module to dissipate heat away from light source. Three field-changeable optics are included with each LED module: spot, narrow flood and flood. Premium 10° narrow spot optic assembly also available (see page 7).

EMERGENCY: New construction housing can be specified with connections for remote emergency or driver can be mounted on junction box. (Remote emergency battery ordered separately, NEPK-07LEDUNV)
Note: CCEA housings are not compatible with emergency.

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.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

ACCESSORIES: Variety of housing and trim accessories are available on page 27.

LISTING & WARRANTY:

- cULus Listed for Wet Location (Adj. rated for Damp)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE DEDICATED

1000LM TO 2500LM 2" TRIMS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



NI0B-2RC Round / NI0B-2SC Square
2" Adjustable Cone Reflector
BB, BW, BZ, CHMPW, CMPW,
HW, HZMPW, MPW, NN, WW



NI0B-2RG Round / NI0B-2SG Square
2" Adjustable Surface Gimbal
BB, BZ, MPW, NN, WW



NI0B-2RPHA
2" Round Adjustable Pinhole
BB, BMPW, HZMPW, MPW, W



NI0B-2RPH
2" Round Fixed Pinhole
BB, BMPW, HZMPW, MPW



NI0B-2RNB Round / NI0B-2SNB Square
2" Bullnose
BB, BZ, MPW, NN, WW



NI0B-2RND Round / NI0B-2SND Square
2" Downlight with Round Aperture
BB, BW, BZ, CHMPW, CMPW,
HW, HZMPW, MPW, NN, WW



NI0B-2RSL
2" Round Adjustable Slot Aperture
BB, BMPW, HZMPW, MPW



NI0B-2SNDQ
2" Square Downlight with Square Aperture
BB, BW, BZ, CHMPW,
HW, HZMPW, MPW, WW

2" IOLITE TRIMS REQUIRES NH0ICD-2, NH0ICDCP-2 OR NHR0IC-2 HOUSING

SERIES / SHAPE	TRIM TYPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NI0B-2R Round	C Adjustable Cone Reflector	27X 2700K	BB Black / Black	/10 1000lm / 14W
NI0B-2S Square	G Adjustable Gimbal	30X 3000K	BMPW Black / Matte Powder White	/HL 1500-2500lm
	NB Bullnose	35X 3500K	BW Black / White	(specified by housing)
	NDC Downlight w/Round Aperture	40X 4000K	BZ Bronze / Bronze	Comfort Dim available in
	NDSQ Downlight w/Square Aperture (square only)	50X 5000K	CHMPW Champagne Haze / MPW	800lm only
	PH Fixed Pinhole (round only)	CDX Comfort Dim* (800lm only)	CMPW Specular Clear / MPW	
	PHA Adjustable Pinhole (round only)		HW Haze / White	
	SL Adjustable Slot Aperture (round only)		HZMPW Haze / Matte Powder White	
			MPW Matte Powder White	
			NN Natural Metal	
			WW White / White	
			Not all finishes available on all types	

Example: **NI0B-2RC27XCHMPW/10** - 2" Round Adjustable Cone Reflector, 2700K, Specular Clear Reflector / Matte Powder White Flange, 1000lm / 14W

FINISHES



iPOINT series are low voltage monopoints that require a **2" Iolite new construction or remodel housing**. The series is adjustable and replicate an Iolite trim.

2" iPOINT REQUIRES NH0ICD-28 OR NHR0IC-28 HOUSING

FIXTURE TYPE / LUMENS	COLOR TEMPERATURE / CRI	FINISH
NI0P-2RCY Cylinder - 1000lm / 14W	40X 4000K / 90 CRI	BB Black Interior / Black Exterior
NI0P-2RTC Cone - 1200lm / 14W	27X 2700K / 90 CRI	MPW Matte Powder White Interior & Exterior
	30X 3000K / 90 CRI	
	40X 4000K / 90 CRI	

Example: **NI0P-2RCY40XMPW** - 2" iPOINT Cylinder, 4000K / 90 CRI, Matte Powder White



NI0P-2RCY
2" iPOINT Cylinder
BB, MPW



NI0P-2RTC
2" iPOINT Cone
BB, MPW

IOLITE DEDICATED COMMERCIAL AND RESIDENTIAL

2" HOUSINGS 1000LM

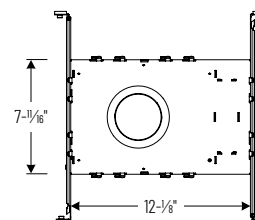
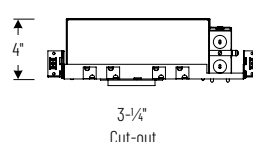
Iolite Trimless has no exposed trim flange and does not extend below the ceiling plane. This clean and sophisticated look is accomplished by mudding the trimless mud ring to the ceiling, then snapping the flangeless luminaires into the ring.

Patent No. D824567S



Iolite Trimless requires three parts:

1. New Construction Housing
2. Trimless Mud Ring
3. Trimless Reflector



1. 2" IOLITE HOUSINGS REQUIRES MUD RING AND TRIMLESS REFLECTOR

HOUSING TYPE / LUMENS / WATTAGE	DRIVER / DIMMING	OPTIONAL EMERGENCY
NHIOICD-28 IC Air-Tight New Construction, 1000lm / 14W	LE3 120V input; Triac / ELV Dimming	/PEM Pre-Wired for Remote Emergency (not compatible with NHIOICDCP)
NHIOICDCP-28 Chicago Plenum New Construction, 1000lm / 14W	LE4 120-277V input; Triac / ELV / 0-10V Dimming	/EM2 Integrated Emergency with Remote Test Switch (not compatible with NHIOICDCP)
	LUPEQ 120/277V input; Lutron Hi-lume 0.1% EcoSystem	
	DAL 120-277V input; DALI 1% Dimming	

Example: **NHIOICD-28LE3** - 2" IC Air-Tight New Construction Housing, 1000lm / 14W, 120V input; Triac / ELV dimming

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage: 1000lm / 14W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

Dimming: Triac, ELV, 0-10V Lutron EcoSystem or DALI 2

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

Housing: Aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patented design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

Luminaire: Die-cast aluminum trims are threaded to the LED module to dissipate heat away from light source. Three field-changeable optics are included with each LED module: spot, narrow flood and flood. Premium 10° narrow spot optic assembly also available (see page 7).

EMERGENCY: New construction housing can be specified with connections for remote emergency or driver can be mounted on junction box. (Remote emergency battery ordered separately, NEPK-07LEDUNV)
Note: CCEA housings are not compatible with emergency.

INSTALLATION:

Housing: 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.

Mud Ring: Round trimless mud ring required (ordered separately).

ACCESSORIES: Variety of housing and trim accessories are available on page 27.

LISTING & WARRANTY:

- cULus Listed for Wet Location (Adj. rated for Damp)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE DEDICATED

1000LM 2" TRIMLESS

HOUSING AND TRIMLESS MUD RING REQUIRED

2. 2" IOLITE TRIMLESS MUD RING REQUIRES HOUSING & TRIMLESS

SERIES / SHAPE

NIO-TLMR-2RA Round Trimless Mud Ring



NIO-TLMR-2RA Round
2" Trimless Mud Ring



NIO-2RTLTA
2" Round Trimless Adjustable
15° Adjustable
BB, BW, BZ, CH, CHMPW,
HW, HZ, HZMPW, MPW, WW



NIO-2RTLND
2" Round Trimless Downlight
Non-Adjustable
BB, BZ, CH, HZ, MPW, WW



BB
Black



BW
Black / White



BZ
Bronze



CH
Champagne Haze



CHMPW
Champagne Haze /
Matte Powder White



HW
Haze / White



HZ
Haze



HZMPW
Haze /
Matte Powder White



MPW
Matte Powder White



WW
White

3. 2" IOLITE TRIMLESS REQUIRES HOUSING AND TRIMLESS MUD RING

SERIES / SHAPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NIO-2RTLTA Round Trimless Adjustable	27X 2700K	BB Black	/10 1000lm / 14W Comfort Dim available in 800lm only
NIO-2RTLND Round Trimless Downlight	30X 3000K	BW Black / White	
	35X 3500K	BZ Bronze	
	40X 4000K	CH Champagne Haze	
	50X 5000K	CHMPW Champagne Haze / Matte Powder White	
	CDX Comfort Dim* (800lm only)	HW Haze / White	
		HZ Haze	
		HZMPW Haze / Matte Powder White	
		MPW Matte Powder White	
		WW White	
		Not all finishes available on all types	
<div>*1" Comfort Dim uses a different dimming curve than 2" and 4" Comfort Dim</div>			

Example: **NIO-2RTLND30XMPW/10** - 2" Round Trimless Downlight, 3000K, Matte Powder White, 1000lm / 14W

IOLITE DEDICATED COMMERCIAL AND RESIDENTIAL

4" HOUSINGS 1000LM TO 2500LM



Patent No. D824567S

NHIOICD-48 / NHIOICDCP-48
1000lm New Construction Housing

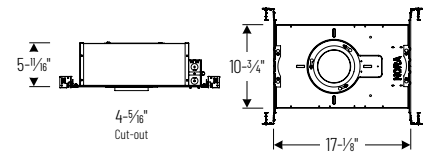
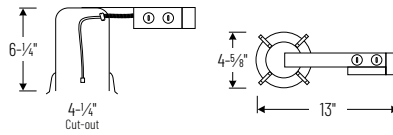
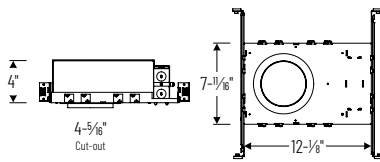


NHRIOIC-48
1000lm Remodel Housing



Patent No. D824567S

NHIOICD-415 / NHIOICD-420 / NHIOICD-425
NHIOICDCP-415 / NHIOICDCP-420 / NHIOICDCP-425
1500lm to 2500lm New Construction Housing



4" IOLITE HOUSINGS

HOUSING TYPE / LUMENS / WATTAGE	DRIVER / DIMMING	OPTIONAL EMERGENCY
NHIOICD-48 IC Air-Tight New Construction, 1000lm / 14W	LE3 120V input; Triac / ELV Dimming	/PEM Pre-Wired for Remote Emergency (not compatible with NHIOICDCP) /EM2 Integrated Emergency with Remote Test Switch (not compatible with NHIOICDCP)
NHIOICDCP-48 Chicago Plenum New Construction, 1000lm / 14W	LE4 120-277V input; Triac / ELV / 0-10V Dimming	
	LUPEQ 120/277V input; Lutron Hi-lume 0.1% EcoSystem	
	DAL 120-277V input; DALI 1% Dimming	
NHIOICD-415 IC Air-Tight New Construction, 1500lm / 20W	LE4 120/277V input; Triac / ELV / 0-10V Dimming	
NHIOICDCP-415 Chicago Plenum New Construction, 1500lm / 20W	LUPEQ 120/277V input; Lutron Hi-lume 0.1% EcoSystem	
	DAL 120-277V input; DALI 1% Dimming	
NHIOICD-420 IC Air-Tight New Construction, 2000lm / 24W	LE4 120/277V input; Triac / ELV / 0-10V Dimming	
NHIOICDCP-420 Chicago Plenum New Construction, 2000lm / 24W	DAL 120-277V input; DALI 1% Dimming	
NHIOICD-425 IC Air-Tight New Construction, 2500lm / 28W		
NHIOICDCP-425 Chicago Plenum New Construction, 2500lm / 28W		
NHRIOIC-48 IC Air-Tight Remodel, 1000lm / 14W	LE3A 120V input; Triac / ELV Dimming	
	LE4 120-277V input; Triac / ELV / 0-10V Dimming	

Example: **NHIOICD-425LE4** - 4" IC Air-Tight New Construction Housing, 2500lm / 28W, 120/277V input; Triac / ELV / 0-10V dimming

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

1000lm / 14W, 1500lm / 20W, 2000lm / 24W, 2500lm / 28W

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

Color Rendering Index: 90+ CRI

Dimming: Triac, ELV, 0-10V, Lutron EcoSystem or DALI 2

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

New Construction Housing: IC Air-Tight housings are rated for direct contact with insulation. New construction housings include patented driver assembly, requiring no tools for removal.

Remodel Housing: Aluminum housing connects to arm with junction box and driver compartment. IC rated for direct contact with thermal insulation.

Luminaire: Die-cast aluminum trims are threaded to the LED module to dissipate heat away from light source. Three field-changeable optics are included with each LED module: spot, narrow flood and flood. Premium 10° narrow spot optic assembly also available (see page 7).

EMERGENCY: New construction housing can be specified with connections for remote emergency or driver can be mounted on junction box. (Remote emergency battery ordered separately, NEPK-07LEDUNV)
Note: CCEA housings are not compatible with emergency.

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.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

ACCESSORIES: Variety of housing and trim accessories are available on page 27.

LISTING & WARRANTY:

- cULus Listed for Wet Location (Adj. rated for Damp)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE DEDICATED

1000LM TO 2500LM 4" TRIMS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



NIO-4RC Round / NIO-4SC Square
4" Adjustable Cone Reflector
BB, BW, BZ, CHMPW, CMPW,
HW, HZMPW, MPW, NN, WW



NIO-4RG Round / NIO-4SG Square
4" Adjustable Gimbal
BB, BZ, MPW, NN, WW



NIO-4RPHA
4" Round Adjustable Pinhole
BB, BMPW, HZMPW, MPW, W



NIO-4RPH
4" Round Fixed Pinhole
BB, BMPW, HZMPW, MPW



NIO-4RD Round / NIO-4SD Square
4" Adjustable Deep Reflector
BB, BW, BZ, CHMPW, HW,
HZMPW, MPW, NN, WW



NIO-4RSLA
4" Round Adjustable Slot
BMPW, MPW



NIO-4RSL
4" Round Adjustable Slot Aperture
BB, BMPW, HZMPW, MPW



NIO-4SDSQ
4" Square Adjustable
BB, BW, BZ, CHMPW, HN,
HW, HZMPW, MPW, WW



NIO-4RNB Round / NIO-4SNB Square
4" Non-Adjustable Bullnose
BB, BZ, MPW, NN, WW



NIO-4RND Round / NIO-4SND Square
4" Non-Adjustable Reflector w/Round Aperture
BB, BW, BZ, CHMPW, CMPW,
HW, HZMPW, MPW, NN, WW



NIO-4RW Round / NIO-4SW Square
4" Wall Wash
BB, MPW, WW
*Not compatible w/ Remodel housings
or 2500lm housing*



NIO-4SNSQ
4" Square Non-Adjustable Reflector
w/Square Aperture
BB, BW, BZ, CHMPW, HN,
HW, HZMPW, MPW, WW

4" IOLITE TRIMS REQUIRES NHIOICD-4, NHIOICDCP-4 OR NHRIOIC-4 HOUSING

SERIES / SHAPE	TRIM TYPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NIO-4R Round NIO-4S Square	C Adjustable Cone Reflector	27X 2700K	BB Black / Black	/IO 1000lm / 14W /HL 1500-2500lm (specified by housing) Comfort Dim available in 800lm only
	D Adjustable Deep Reflector w/ Round Aperture	30X 3000K	BMPW Black / Matte Powder White	
	G Adjustable Gimbal	35X 3500K	BW Black / White	
	DSQ Square Adjustable (square only)	40X 4000K	BZ Bronze / Bronze	
	NB Bullnose	50X 5000K	CHMPW Champagne Haze / MPW	
	NDC Downlight w/Round Aperture	CDX Comfort Dim* (800lm only)	CMPW Specular Clear / MPW	
	NDSQ Downlight w/Square Aperture (square only)	<i>*1" Comfort Dim uses a different dimming curve than 2" and 4" Comfort Dim</i>	HN Haze / Natural Metal	
	PH Fixed Pinhole (round only)		HW Haze / White	
	PHA Adjustable Pinhole (round only)		HZMPW Haze / Matte Powder White	
	SL Adjustable Slot Aperture (round only)		MPW Matte Powder White	
	SLA Adjustable Slot (round only)		NN Natural Metal	
	W Wall Wash		WW White / White	
			<i>Not all finishes available on all types</i>	

Example: **NIO-4SG30XNN/IO** - 4" Square Adjustable Surface Gimbal, 3000K, Natural Metal Gimbal / Natural Metal Flange, 1000lm / 14W

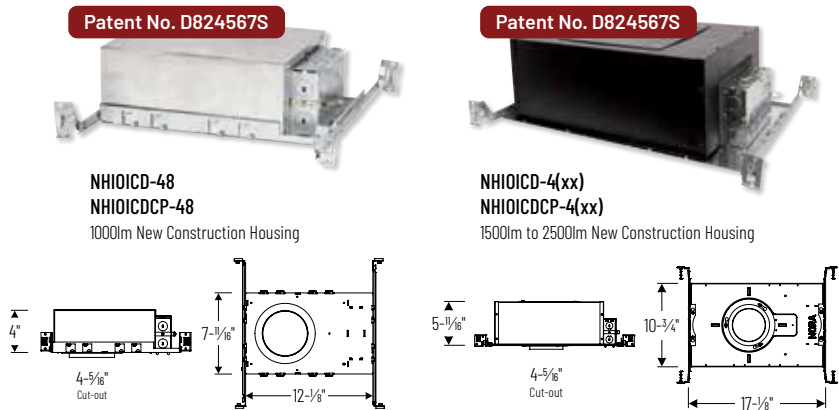
IOLITE DEDICATED COMMERCIAL AND RESIDENTIAL

4" HOUSINGS 1000LM TO 2500LM

Iolite Trimless has no exposed trim flange and does not extend below the ceiling plane. This clean and sophisticated look is accomplished by mudding the trimless mud ring to the ceiling, then snapping the flangeless luminaire into the ring.

Iolite Trimless requires three parts:

1. New Construction Housing
2. Trimless Mud Ring
3. Trimless Luminaire



1. 4" IOLITE HOUSING REQUIRES MUD RING AND TRIMLESS REFLECTOR

HOUSING TYPE / LUMENS / WATTAGE	DRIVER / DIMMING	OPTIONAL EMERGENCY
NHIOICD-48 IC Air-Tight New Construction, 1000lm / 14W NHIOICDCP-48 Chicago Plenum New Construction, 1000lm / 14W	LE3 120V input; Triac / ELV Dimming LE4 120-277V input; Triac / ELV / 0-10V Dimming LUPEQ 120/277V input; Lutron Hi-lume 0.1% EcoSystem DAL 120-277V input; DALI 1% Dimming	/PEM Pre-Wired for Remote Emergency (not compatible with NHIOICDCP) /EM2 Integrated Emergency with Remote Test Switch (not compatible with NHIOICDCP)
NHIOICD-415 IC Air-Tight New Construction, 1500lm / 20W NHIOICDCP-415 Chicago Plenum New Construction, 1500lm / 20W	LE4 120/277V input; Triac / ELV / 0-10V Dimming LUPEQ 120/277V input; Lutron Hi-lume 0.1% EcoSystem DAL 120-277V input; DALI 1% Dimming	
NHIOICD-420 IC Air-Tight New Construction, 2000lm / 24W NHIOICDCP-420 Chicago Plenum New Construction, 2000lm / 24W NHIOICD-425 IC Air-Tight New Construction, 2500lm / 28W NHIOICDCP-425 Chicago Plenum New Construction, 2500lm / 28W	LE4 120/277V input; Triac / ELV / 0-10V Dimming DAL 120-277V input; DALI 1% Dimming	

Example: **NHIOICD-425LE4** - 4" IC Air-Tight New Construction Housing, 2500lm / 28W, 120/277V input; Triac / ELV / 0-10V dimming

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

1000lm / 14W, 1500lm / 20W, 2000lm / 24W, 2500lm / 28W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

Dimming: Triac, ELV, 0-10V, Lutron EcoSystem or DALI 2

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

Housing: Aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patented design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

Luminaire: Die-cast aluminum trims are threaded to the LED module to dissipate heat away from light source. Three field-changeable optics are included with each LED module: spot, narrow flood and flood. Premium 10° narrow spot optic assembly also available (see page 7).

EMERGENCY: New construction housing can be specified with connections for remote emergency or driver can be mounted on junction box. (Remote emergency battery ordered separately, NEPK-07LEDUNV)
 Note: CCEA housings are not compatible with emergency.

INSTALLATION:

Housing: 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.

Mud Ring: Round or square trimless mud ring required (ordered separately).

LISTING & WARRANTY:

- cULus Listed for Wet Location (Adj. rated for Damp)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE DEDICATED

1000LM TO 2500LM 4" TRIMLESS

HOUSING AND TRIMLESS MUD RING REQUIRED

2. 4" IOLITE MUD RINGS

REQUIRES HOUSING & TRIMLESS

SERIES / SHAPE

NIO-TLMR-4RA Round Trimless Mud Ring

NIO-TLMR-4SA Square Trimless Mud Ring



NIO-TLMR-4RA Round
4" Trimless Mud Ring

NIO-TLMR-4SA Square
4" Trimless Mud Ring



NIO-4RTLTA
4" Round Trimless Adjustable
35° Adj. (1000lm)
24° Adj. (1500-2500lm)
BB, BW, BZ, CH, CHMPW,
HW, HZ, HZMPW, MPW, WW



NIO-4RTSLA
4" Round Trimless Adjustable Slot
35° Adj. (1000lm only)
BB, BZ, CH, HZ, MPW, WW
Not compatible w/ High Lumen housings



NIO-4RTLND
4" Round Trimless Downlight
Non-Adjustable (1000-2500lm)
BB, BZ, HZ, MPW, WW



NIO-4STLND
4" Square Trimless Downlight
Non-Adjustable (1000lm only)
BB, BZ, CH, HZ, MPW, WW
Not compatible w/ High Lumen housings



3. 4" IOLITE TRIMLESS REQUIRES HOUSING AND TRIMLESS MUD RING

SERIES / SHAPE / TYPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NIO-4RTLTA Round Trimless Adjustable	27X 2700K	BB Black	/10 1000lm / 14W /HL 1500-2500lm (specified by housing) Comfort Dim available in 800lm only
NIO-4RTSLA Round Trimless Adjustable Slot (1000lm only)	30X 3000K	BW Black / White	
NIO-4RTLND Round Trimless Downlight	35X 3500K	BZ Bronze	
NIO-4STLND Square Trimless Downlight (1000lm only)	40X 4000K	CH Champagne Haze	
	50X 5000K	CHMPW Champagne Haze / Matte Powder White	
	CDX Comfort Dim* (800lm only)	HW Haze / White	
		HZ Haze	
		HZMPW Haze / Matte Powder White	
		MPW Matte Powder White	
		WW White	
* 1" Comfort Dim uses a different dimming curve than 2" and 4" Comfort Dim			
Not all finishes available on all types			

Example: **NIO-4RTLND30XMPW/HL** - 4" Round Trimless Reflector, 3000K, Matte Powder White Reflector, 1500-2500lm (specified by housing)

Flange accessory allows trimless to be used with remodel and new construction housings, **no mud plate required.**

FLANGE ACCESSORY

DESCRIPTION	FINISH
NIO-4RTFA Flange for Round Trimless	BB Black
Compatible with NIO-4RTSLA & NIO-4RTLND only	BZ Bronze
	CH Champagne Haze
	HZ Haze
	MPW Matte Powder White
	WH White

Example: **NIO-4RTFAMPW** - Flange Accessory, Matte Powder White finish



NIO-4RTFA
Flange Accessory

IOLITE PLUS COMMERCIAL AND RESIDENTIAL

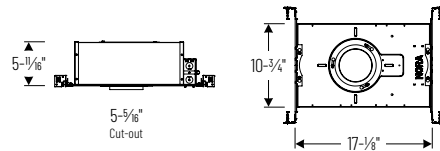
4" HOUSINGS 1500LM TO 2500LM

Iolite Trimless has no exposed trim flange and does not extend below the ceiling plane. This clean and sophisticated look is accomplished by mudding the trimless mud ring to the ceiling, then snapping the flangeless luminaire into the ring.



Iolite PLUS Trimless requires three parts:

1. New Construction Housing
2. PLUS Trimless Mud Ring
3. PLUS Trimless Luminaire



1. 4" IOLITE HOUSING REQUIRES PLUS MUD RING AND PLUS TRIMLESS REFLECTOR

TRIM SHAPE / HOUSING TYPE	LUMENS / WATTAGE	DRIVER / DIMMING	OPTIONAL EMERGENCY
NHIOICD-4 Round ICAT New Construction	15 1500lm / 20W	LE4 120/277V input; Triac / ELV / 0-10V Dimming	/PEM Pre-Wired for Remote Emergency (not compatible with NHIOICDCP)
NHIOICD-4PS Square ICAT New Construction		LUPEQ 120/277V input; Lutron Hi-lume Premier	
NHIOICDCP-4 Round Chicago Plenum		DAL 120-277V input; DALI 1% Dimming	
NHIOICDCP-4PS Square Chicago Plenum			
NHIOICD-4 Round ICAT New Construction	20 2000lm / 24W	LE4 120/277V input; Triac / ELV / 0-10V Dimming	
NHIOICD-4PS Square ICAT New Construction	25 2500lm / 28W	DAL 120-277V input; DALI 1% Dimming	
NHIOICDCP-4 Round Chicago Plenum			
NHIOICDCP-4PS Square Chicago Plenum			

Example: **NHIOICD-4PS15LE4** - 4" Iolite PLUS New Construction Housing, 1500lm / 20W, 120/277V input; Triac / ELV / 0-10V dimming

Iolite PLUS introduces four larger 4" round or square trimless luminaires. Square PLUS requires a new dedicated housing.

ELECTRICAL:

Voltage: 120-277V

Lumens / Wattage:

1500lm / 20W, 2000lm / 24W, 2500lm / 28W

Color Rendering Index: 90+ CRI

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

Dimming: Triac, ELV, 0-10V, Lutron EcoSystem or DALI 2

CONSTRUCTION:

Housing: Aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patented design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

Luminaire: Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field-changeable TIR optics are included with each LED module: spot, narrow flood and flood.

EMERGENCY: Housing can be specified with connections for emergency battery installation. Requires top access. Must specify battery with remote test switch separately, NEPK-07LEDUNV.

Note: CCEA housings are not compatible with emergency.

INSTALLATION:

Housing: 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.

Mud Ring: Round or square trimless mud ring required (ordered separately).

LISTING & WARRANTY:

- cULus Listed for Wet Location (Adj. rated for Damp)
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE PLUS

1500LM TO 2500LM 4" TRIMLESS

HOUSING AND TRIMLESS MUD RING REQUIRED

2. 4" IOLITE PLUS MUD RINGS

REQUIRES HOUSING & PLUS TRIMLESS

SERIES / SHAPE

NIO-TLMR-4PR PLUS Round Trimless Mud Ring

NIO-TLMR-4PS PLUS Square Trimless Mud Ring



NIO-TLMR-4PR Round
4" PLUS Trimless Mud Ring
Die-Cast Aluminum



NIO-TLMR-4PS Square
4" PLUS Trimless Mud Ring
Die-Cast Aluminum



3. 4" IOLITE PLUS TRIMLESS REQUIRES HOUSING AND PLUS TRIMLESS MUD RING

SERIES / SHAPE / TYPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NIO-4PRTLA PLUS Round Trimless Adjustable	27X 2700K	BB Black	/HL 1500-2500lm (specified by housing)
NIO-4PRTLND PLUS Round Trimless Downlight	30X 3000K	BZ Bronze	
NIO-4PSTLA PLUS Square Trimless Adjustable	35X 3500K	CH Champagne Haze	
NIO-4PSTLND PLUS Square Trimless Downlight	40X 4000K	HZ Haze	
	50X 5000K	MPW Matte Powder White	
		WW White	

Example: **NIO-4PRTLA30XMPW/HL** & **NIO-TLMR-4PR** - 4" Iolite PLUS Round Trimless Adjustable, 3000K, Matte Powder White Reflector / 4" PLUS Round Trimless Mud Ring

Flange accessory allows trimless to be used with remodel and new construction housings, **no mud plate required.**

FLANGE ACCESSORY

DESCRIPTION	FINISH
NIO-4PRTFA Flange for PLUS Round Trimless Compatible with NIO-4PRTLA & NIO-4PRTLND only	BB Black BZ Bronze CH Champagne Haze HZ Haze MPW Matte Powder White WH White

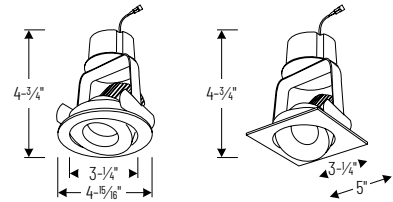
Example: **NIO-4PRTFAMPW** - Flange Accessory, Matte Powder White finish



NIO-4PRTFA
Flange Accessory

IOLITE RETROFIT IC OR NON-IC HOUSINGS

4" TRIMS 1000LM



NIR-4RC 4" Round Adjustable Cone BB, BW, BZ, CHMPW, CMPW, HW, HZMPW, MPW, NN, WW	NIR-4SC 4" Square Adjustable Cone BB, BW, BZ, CHMPW, CMPW, HW, HZMPW, MPW, NN, WW	NIR-4RG 4" Round Adjustable Gimbal BB, BZ, MPW, NN, WW	NIR-4SG 4" Square Adjustable Gimbal BB, BZ, MPW, NN, WW	NIR-4RNB 4" Round Bullnose BB, BZ, MPW, NN, WW	NIR-4SNB 4" Square Bullnose BB, BZ, MPW, NN, WW
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4" IOLITE RETROFIT

SERIES / SHAPE	TRIM TYPE	COLOR TEMPERATURE	FINISH	LUMENS / WATTAGE
NIR-4R Round Retrofit NIR-4S Square Retrofit	C Cone Regress G Surface Gimbal NB Non-Adj. Bullnose	27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K CDX Comfort Dim* (800lm only)	BB Black / Black Flange BW Black / White Flange BZ Bronze / Bronze Flange CHMPW Champagne Haze / Matte Powder White Flange CMPW Specular Clear / Matte Powder White Flange HW Haze / White Flange HZMPW Haze / Matte Powder White Flange MPW Matte Powder White / Matte Powder White Flange NN Natural Metal / Nat. Metal Flange WW White / White Flange Not all finishes available on all types	/10 1000lm / 12W Comfort Dim available in 800lm only
		* 1" Comfort Dim uses a different dimming curve than 2" & 4" Comfort Dim		

Example: **NIR-4RC27XWW/10** - 4" Round Cone Regress Retrofit, 2700K, Natural Metal with Natural Metal Flange, 1000lm / 12W

4" Iolite Retrofit LED adjustable downlights are available in square and round designs. The modular system allows users to field change both the trim and optic from spot to flood without using any tools.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 1000lm / 12W

Color Temperature: 2700K, 3000K, 3500K, 4000K,
5000K and Comfort Dim (3100K-2000K)

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

Trim/Module: Die-cast aluminum reflectors are threaded to mount LED module securely and dissipate heat away from light source. Three field-changeable optics are included with each LED module: spot, narrow flood and flood.

INSTALLATION: Compatible with Nora housings listed and with some 4" housing by others. Check dimensions - in some cases compatibility requires removing the existing socket from housing.

RETROFIT: Iolite retrofit series includes medium base socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

LISTING & WARRANTY:

- cULus Classified for Wet Location (Adj. rated for Damp)
- ROHS compliant
- 5 Year Limited Warranty

COMPATIBLE HOUSINGS:

New Construction

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V
- NFBIC-4LMRATA** 4" ICAT Dedicated LED Fire Box
- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCATA** 4" ICAT Line Voltage Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4624AT** 4" ICAT GU24¹

Remodel

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NSRIC-404QAT** 4" Remodel ICAT Line Voltage
- NSR-404QAT** 4" Remodel AT Line Voltage

¹Requires NRA-212SM - GU24 adapter



IOLITE DOWNLIGHT ACCESSORIES

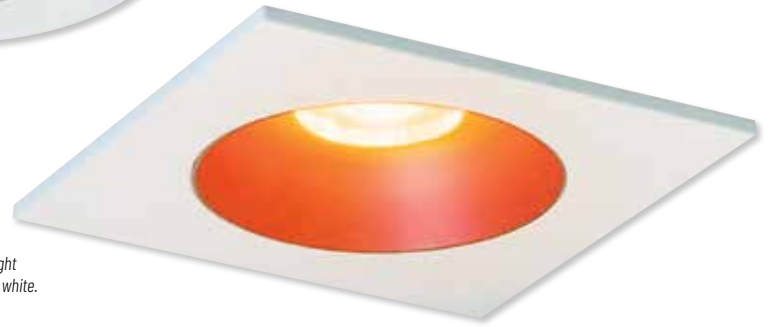
Shown with blue translucent Deco collar. Aperture appears blue, but light output is as specified white.



Shown with snoot accessory. Minimizes aperture brightness and softens beam edge



Shown with amber translucent Deco collar. Aperture appears amber, but light output is as specified white.



Wood Ceiling Collar

NIO-2WCC2 for NHIQICD-2 (1000lm only)
NIO-4WCC2 for NHIQICD-4

Allows new construction housings to be installed in wood ceilings that are up to 2" thick.



Ceiling Extension Collar

NIO-1EXTC2 for NHIQICD-1
NIO-2EXTC2 for NHIQICD-2
NIO-4EXTC2 for NHIQICD-4

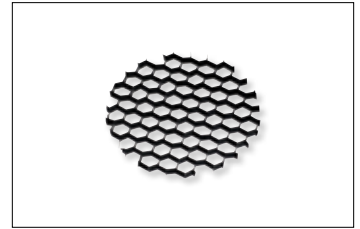
Allows new construction housings to be installed in ceilings that are up to 2" thick.



Frosted Optic

NIO-1REFL20FR 40° Frosted optic for 1"
NIO-1REFL60FR 60° Frosted optic for 1"
NIO-REFLTIR15 Premium 22° TIR optic for 2" & 4"
NIO-REFLTIR25 Premium 26° TIR optic for 2" & 4"
NIO-REFL38FR 60° Frosted optic for 2" & 4"
NIO-REFL60FR 73° Frosted optic for 2" & 4"

Easily change optics included with LED module.
Not compatible with /HL LED modules (1500-2500lm).



Hex Cell Louver

NIO-1HC for 1" Iolite
NIO-HC for 2" and 4" Iolite

Hex cell louver subtly reduces aperture brightness. The louver will also reduce light output by about 20%.



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).



Flush Mount Mud Ring

NIO-FMMR-1R 1" Round Trims
NIO-FMMR-1S 1" Square Trims
NIO-FMMR-2R 2" Round Trims
NIO-FMMR-2S 2" Square Trims
NIO-FMMR-4R 4" Round Trims
NIO-FMMR-4S 4" Square Trims

Allows flanged Iolite trims to be installed even with the ceiling plane. Flange is visible. Attaches to drywall. Requires professional drywall finishing. Only for use with NIOB-1, NIOB-2, NIO-4 trims and respective new construction housings. Not compatible with Iolite Can-less (NIOC).

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

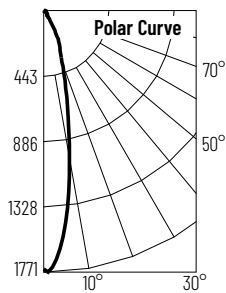
IOLITE SERIES

1" PHOTOMETRICS

1" IOLITE: 600LM / 3000K / 20° SPOT

Item Number: NIOB-1RNG30XWW

Lumens: 556lm Wattage: 9.2W Efficacy: 61lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	418	75.2
0-40	461	82.9
0-60	515	92.7
0-90	554	99.8

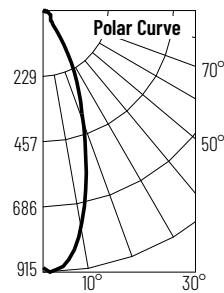
Candela Table	
Vertical Angles	Candela
0	1738
15	612
25	252
35	58
45	39

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	109fc	1'-8"
6'	48.3fc	2'-6"
8'	27.2fc	3'-4"
10'	17.4fc	4'-2"
12'	12.1fc	5'

1" IOLITE: 600LM / 3000K / 40° NARROW FLOOD

Item Number: NIOB-1RNG30XWW

Lumens: 532lm Wattage: 9.2W Efficacy: 58lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	378	71
0-40	426	80.1
0-60	485	91.1
0-90	531	99.8

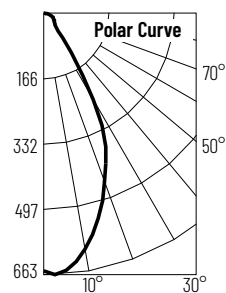
Candela Table	
Vertical Angles	Candela
0	910
15	606
25	291
35	66
45	38

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	56.9fc	2'-10"
6'	25.3fc	4'-2"
8'	14.2fc	5'-7"
10'	9.1fc	7'
12'	6.3fc	8'-4"

1" IOLITE: 600LM / 3000K / 60° FLOOD

Item Number: NIOB-1RNG30XWW

Lumens: 539lm Wattage: 9.2W Efficacy: 58lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	363	67.3
0-40	436	80.9
0-60	494	91.7
0-90	538	99.8

Candela Table	
Vertical Angles	Candela
0	660
15	521
25	352
35	108
45	39

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	41.2fc	3'-11"
6'	18.3fc	5'-10"
8'	10.3fc	7'-10"
10'	6.6fc	9'-8"
12'	4.6fc	11'-7"

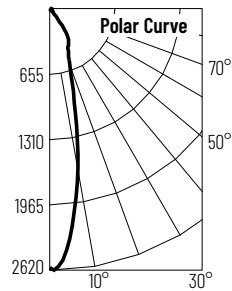
IOLITE SERIES

2" PHOTOMETRICS

2" IOLITE: 800LM / 3000K / 25° SPOT

Item Number: NIOB-2RC30XWW

Lumens: 947lm Wattage: 14.2W Efficacy: 67lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	675	71.2
0-40	839	88.6
0-60	906	95.7
0-90	945	99.8

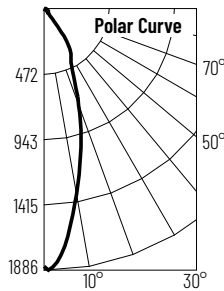
Candela Table	
Vertical Angles	Candela
0	2594
15	967
25	443
35	291
45	45

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	162fc	1'-8"
6'	72.1fc	2'-7"
8'	40.5fc	3'-6"
10'	25.9fc	4'-5"
12'	18fc	5'-2"

2" IOLITE: 800LM / 3000K / 38° NARROW FLOOD

Item Number: NIOB-2RC30XWW

Lumens: 936lm Wattage: 14.2W Efficacy: 66lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	623	70.8
0-40	824	88.1
0-60	892	95.3
0-90	934	99.8

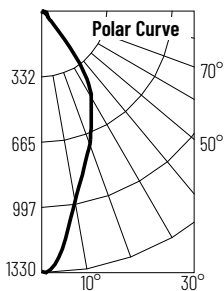
Candela Table	
Vertical Angles	Candela
0	1858
15	1021
25	480
35	279
45	45

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	116fc	2'-5"
6'	51.6fc	3'-7"
8'	29fc	4'-10"
10'	18.6fc	5'-11"
12'	12.9fc	7'-1"

2" IOLITE: 800LM / 3000K / 60° FLOOD

Item Number: NIOB-2RC30XWW

Lumens: 962lm Wattage: 14.2W Efficacy: 68lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	614	63.8
0-40	831	86.3
0-60	913	94.9
0-90	960	99.8

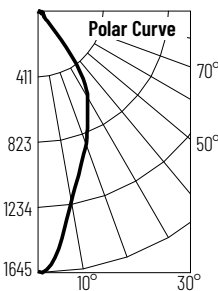
Candela Table	
Vertical Angles	Candela
0	1324
15	826
25	594
35	371
45	56

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	82.8fc	3'-4"
6'	36.8fc	4'-11"
8'	20.7fc	6'-6"
10'	13.2fc	8'-1"
12'	9.2fc	9'-10"

2" IOLITE: 1000LM / 3000K / 60° FLOOD

Item Number: NIOB-2RC30XWW/10

Lumens: 1246lm Wattage: 13.2W Efficacy: 94lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	793	63.7
0-40	1071	86
0-60	1180	94.7
0-90	1243	99.8

Candela Table	
Vertical Angles	Candela
0	1635
15	1070
25	768
35	474
45	74

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	102fc	3'-6"
6'	45.4fc	5'-2"
8'	25.5fc	6'-11"
10'	16.4fc	8'-8"
12'	11.4fc	10'-5"

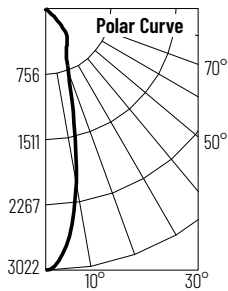
IOLITE SERIES

4" PHOTOMETRICS

4" IOLITE: 800LM / 4000K / 26° SPOT

Item Number: NIO-4RC40XWW

Lumens: 1294lm Wattage: 13.96W Efficacy: 93lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	844	65.2
0-40	1111	85.9
0-60	1281	99
0-90	1292	99.9

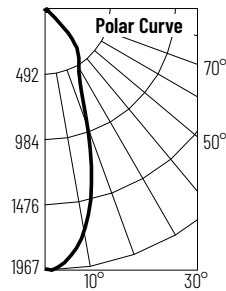
Candela Table	
Vertical Angles	Candela
0	3000
15	1193
25	556
35	426
45	194

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	187fc	1'-10"
6'	83.3fc	2'-7"
8'	46.9fc	3'-6"
10'	30fc	4'-5"
12'	20.8fc	5'-4"

4" IOLITE: 800LM / 4000K / 39° NARROW FLOOD

Item Number: NIO-4RC40XWW

Lumens: 1329lm Wattage: 13.98W Efficacy: 95lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	848	63.9
0-40	1125	84.6
0-60	1304	98.2
0-90	1323	99.6

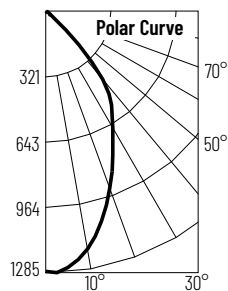
Candela Table	
Vertical Angles	Candela
0	1697
15	1013
25	495
35	126
45	68

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	123fc	2'-10"
6'	54.7fc	4'-2"
8'	30.7fc	5'-7"
10'	19.7fc	7'
12'	13.7fc	8'-5"

4" IOLITE: 800LM / 4000K / 61° FLOOD

Item Number: NIO-4RC40XWW

Lumens: 1348lm Wattage: 14.07W Efficacy: 96lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	768	57
0-40	1081	80.2
0-60	1319	97.9
0-90	1343	99.6

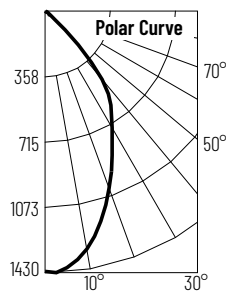
Candela Table	
Vertical Angles	Candela
0	1276
15	1050
25	768
35	553
45	222

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	79.8fc	4'-8"
6'	35.5fc	7'
8'	19.9fc	9'-5"
10'	12.8fc	11'-8"
12'	8.9fc	14'

4" IOLITE: 1000LM / 4000K / 61° FLOOD

Item Number: NIO-4RC40XWW/10

Lumens: 1500lm Wattage: 13.47W Efficacy: 111lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	701	64.7
0-40	859	79.2
0-60	987	91.1
0-90	1077	99.3

Candela Table	
Vertical Angles	Candela
0	1423
15	1174
25	854
35	619
45	247

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	88.9fc	4'-8"
6'	39.5fc	7'
8'	22.2fc	9'-5"
10'	14.2fc	11'-8"
12'	9.9fc	14'

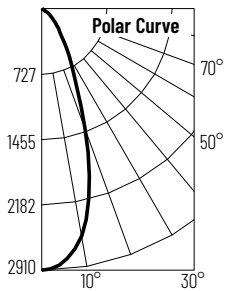
IOLITE SERIES

4" PHOTOMETRICS

4" IOLITE: 1500LM / 4000K / 39° SPOT

Item Number: NIO-4RC40XWW/HL

Lumens: 1829lm Wattage: 19.5W Efficacy: 94lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1251	68.4
0-40	1518	83
0-60	1773	96.9
0-90	1817	99.3

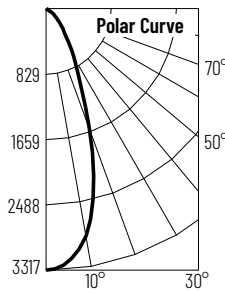
Candela Table	
Vertical Angles	Candela
0	2910
15	2058
25	913
35	421
45	209

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	182fc	2'-11"
6'	80.8fc	4'-4"
8'	45.5fc	5'-8"
10'	29.1fc	7'-2"
12'	20.2fc	8'-7"

4" IOLITE: 2000LM / 4000K / 39° SPOT

Item Number: NIO-4RC40XWW/HL

Lumens: 2085lm Wattage: 24.1W Efficacy: 87lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1425	68.4
0-40	1730	83
0-60	2021	96.9
0-90	2071	99.3

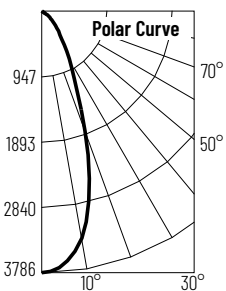
Candela Table	
Vertical Angles	Candela
0	3317
15	2347
25	1042
35	480
45	238

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	207fc	2'-11"
6'	92.1fc	4'-4"
8'	51.8fc	5'-8"
10'	33.2fc	7'-2"
12'	23fc	8'-7"

4" IOLITE: 2500LM / 4000K / 39° SPOT

Item Number: NIO-4RC40XWW/HL

Lumens: 2368lm Wattage: 28.2W Efficacy: 84lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1624	68.6
0-40	1943	82
0-60	2300	99.4
0-90	2355	99.4

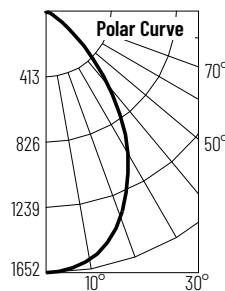
Candela Table	
Vertical Angles	Candela
0	3786
15	2681
25	1183
35	544
45	271

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	237fc	2'-11"
6'	105fc	4'-4"
8'	59.2fc	5'-8"
10'	37.9fc	7'-2"
12'	26.3fc	8'-7"

4" IOLITE: 2500LM / 4000K / 70° FLOOD

Item Number: NIO-4RC40XWW/HL

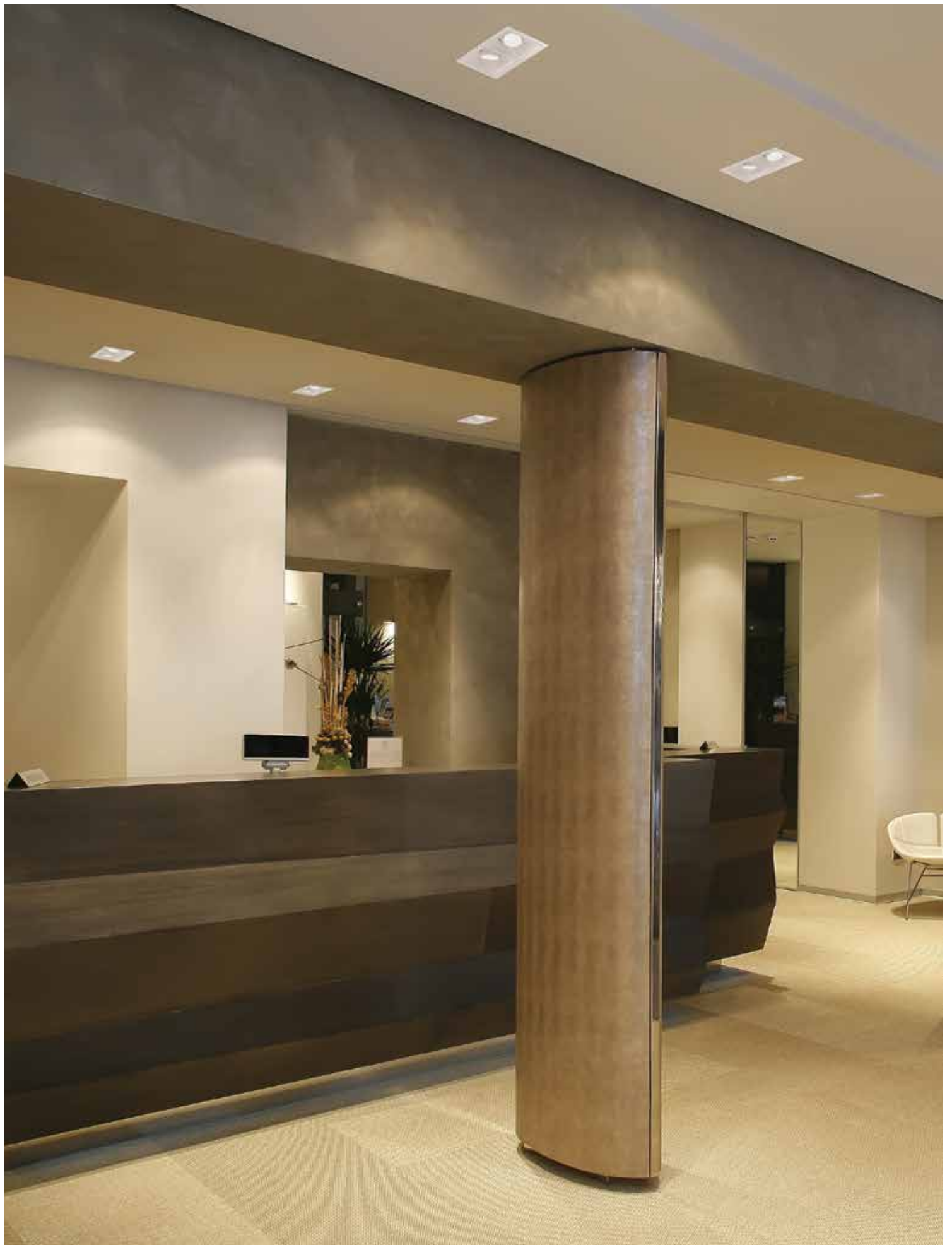
Lumens: 2226lm Wattage: 27.8W Efficacy: 80lpw



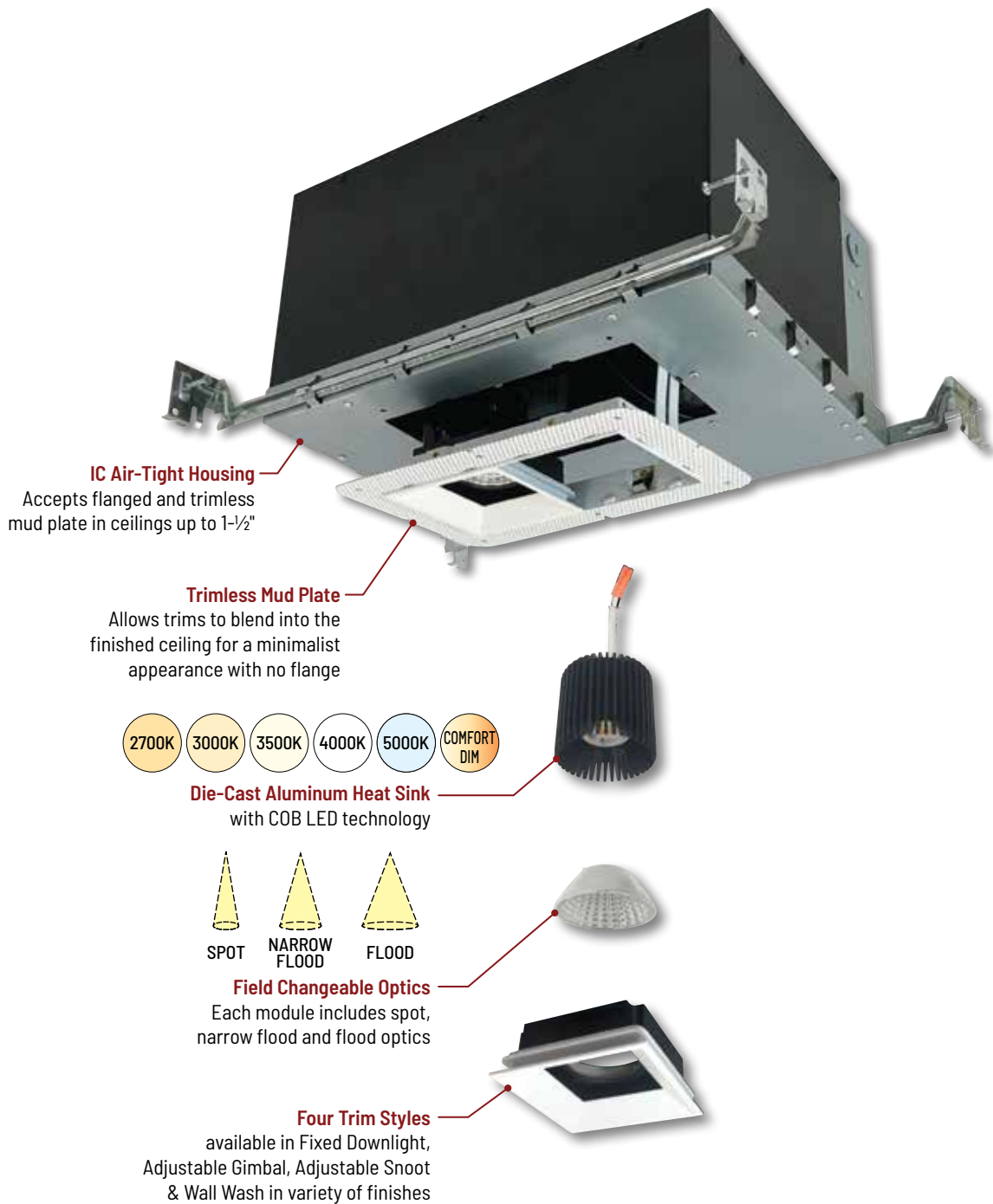
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1137	51.1
0-40	1613	72.5
0-60	2138	96.1
0-90	2211	99.3

Candela Table	
Vertical Angles	Candela
0	1652
15	1511
25	1216
35	841
45	428

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	103fc	5'-8"
6'	45.9fc	8'-6"
8'	25.8fc	11'-5"
10'	16.5fc	14'-2"
12'	11.5fc	17'



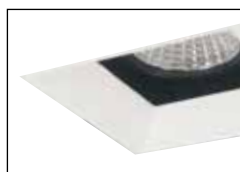
IOLITE MULTIPLE LIGHTING SYSTEM



FINISHES



B
Black



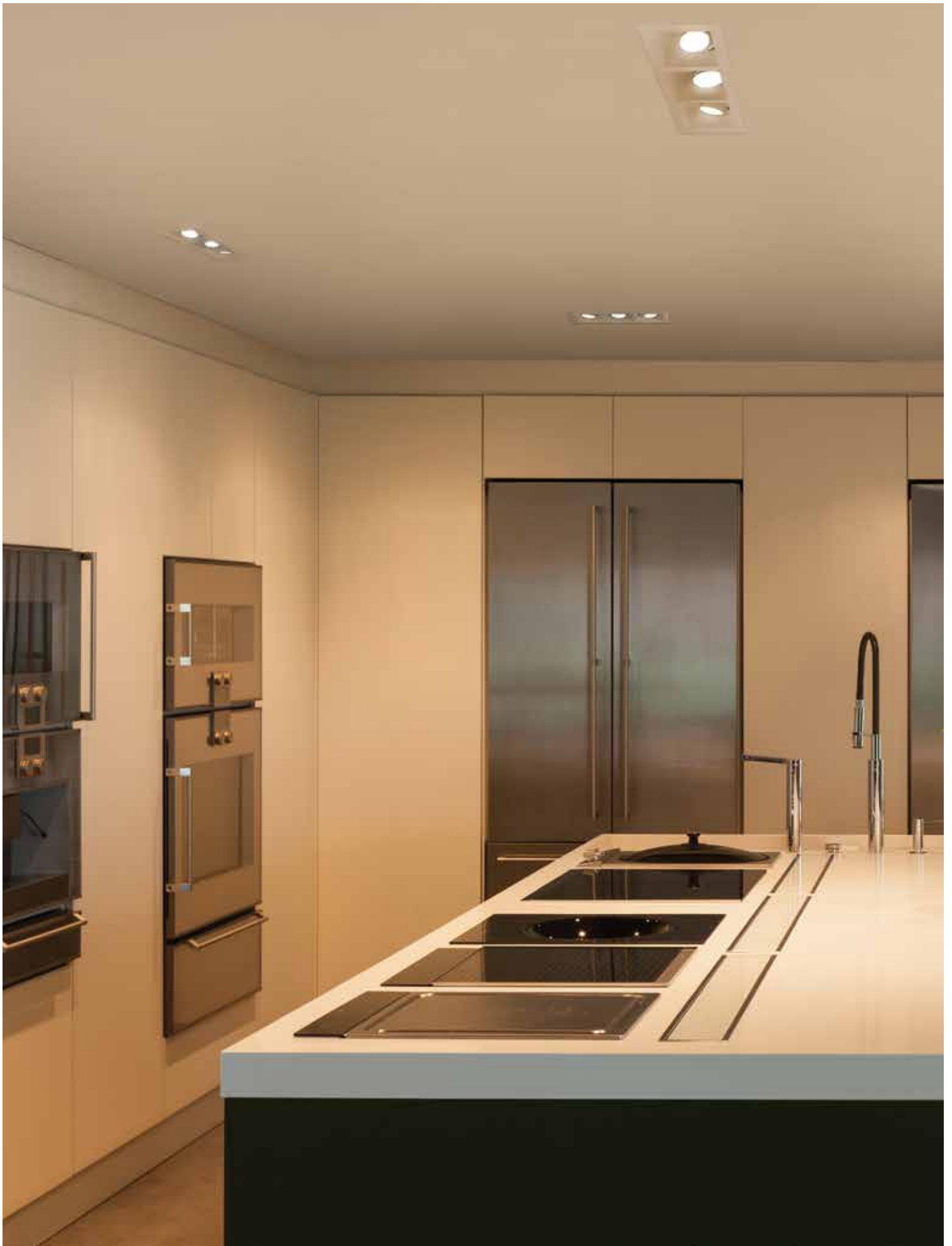
BMPW
Black Interior
Matte Powder White Exterior



HZ
Haze

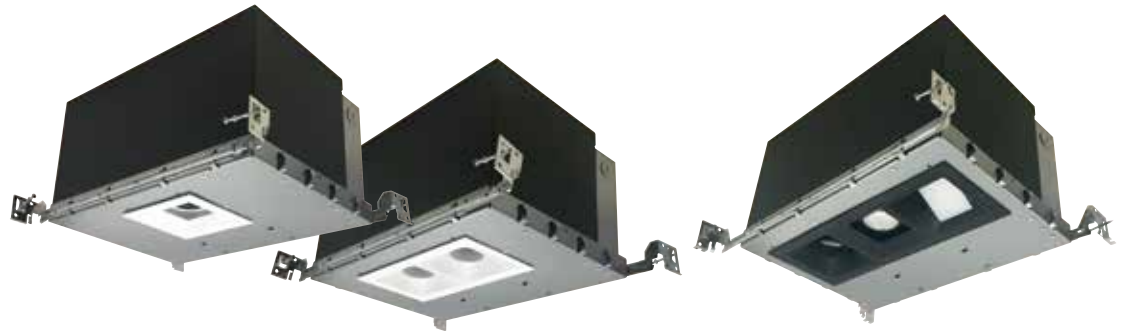
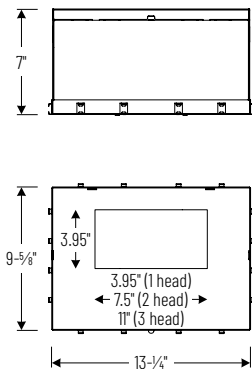


MPW
Matte Powder White



LED DEDICATED IOLITE SERIES MULTIPLE

1000LM PER HEAD 1-3 ADJUSTABLE HEADS



NMHIOIC-11-LE4

One Head Iolite New Construction Housing

NMHIOIC-12-LE4

Two Head Iolite New Construction Housing

NMHIOIC-13-LE4

Three Head Iolite New Construction Housing

IOLITE MULTIPLE NEW CONSTRUCTION HOUSING

SERIES / NUMBER OF HEADS	DRIVER / DIMMING
NMHIOIC-11 One Head	-LE4 120-277V input; Triac / ELV / 0-10V dimming
NMHIOIC-12 Two Heads	
NMHIOIC-13 Three Heads	

Example: **NMHIOIC-13-LE4** - Three Head Iolite Multiple, 120-277V input, Triac / ELV / 0-10V Dimming



-A
Adjustable Snoot
20° Adjustable
B, HZ, MPW

-G
Adjustable Gimbal
B, HZ, MPW

-F
Fixed Downlight
Non-Adjustable
B, BMPW, HZ, MPW

-W
Wall Wash
Non-Adjustable
B, HZ, MPW

IOLITE MULTIPLE TRIM

FLANGE TYPE	NUMBER OF HEADS	FLANGE FINISH	TRIM TYPE	COLOR TEMPERATURE	LUMENS / WATTAGE PER HEAD	TRIM FINISH
NMIOT-1 Flanged	1 One Head	-NF Trimless	-A Adjustable Snoot	27X 2700K	-10 1000lm / 12W per head (800lm with Comfort Dim)	-B Black
NMIOTL-1 Trimless	2 Two Heads	-B Black	-B Blank Plate	30X 3000K		-BMPW Black / Matte Powder White (fixed only)
	3 Three Heads	-MPW Matte Powder White	-F Fixed Downlight	35X 3500K		-HZ Haze
			-G Adjustable Gimbal	40X 4000K		-MPW Matte Powder White
			-W Wall Wash	50X 5000K		
				CDX Comfort Dim		

Example: **NMIOT-13-MPW-AAF-30X-10-MPW** Matte Powder White Flange, Adjustable Snoot-Fixed-Adjustable Snoot, 3000K, 1000lm / 12W per head, Matte Powder White finish

Iolite multiple recessed family consists of one to three independently adjustable heads, a variety of beam distributions and three reflector options. The housing includes individual drivers for each module. Completely serviceable from below, Iolite Multiple series is a perfect solution for most retail, hospitality and commercial applications.

ELECTRICAL:

Voltage: 120V-277V

Lumens / Wattage: 1000lm / 12W per head
(Comfort Dim is 800lm per head)

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

Color Rendering Index: 90+ CRI

Dimming: Triac, ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

New Construction Housing: 0.0475" Galvanized steel housing with quick connects from each driver for ease of installation. Includes two adjustable bar hangers with L-shaped alignment foot and T-bar notch and pre-wired junction box suitable for through branch circuit wiring.

Trim/Module: Each trim assembly includes three optics (flood - installed, narrow flood and spot) and quick connect for easy installation. Trim options include a fixed snoot, adjustable snoot (20° adjustable) and wall wash. Premium TIR optics are available in 22° and 26° beam spreads.

FLANGED/TRIMLESS: Trims can be specified with a flanged or trimless appearance. Trimless mud plate allows for a premium finishing technique with minimalist appearance.

ACCESSORIES:

NIO-REFLTIR15 Premium 22° TIR Optic (must specify per head)

NIO-REFLTIR25 Premium 26° TIR Optic (must specify per head)

LISTING & WARRANTY:

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



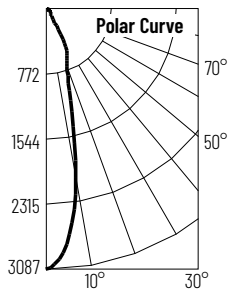
IOLITE SERIES

MULTIPLE PHOTOMETRICS

ADJUSTABLE SNOOT 4000K, 25°

Item Number: NMIOT-11-MPW-A-40X-10-MPW

Lumens: 1116lm Wattage: 11.7W Efficacy: 96lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	824	73.8
0-40	921	82.5
0-60	1045	93.6
0-90	1111	99.5

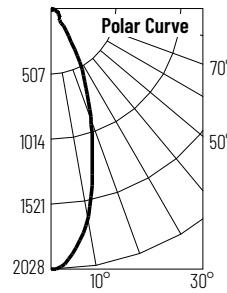
Candela Table	
Vertical Angles	Candela
0	3087
15	1120
25	574
35	122
45	84

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	193fc	1'-10"
6'	85.8fc	2'-8"
8'	48.2fc	3'-6"
10'	30.9fc	4'-5"
12'	21.4fc	5'-4"

ADJUSTABLE SNOOT 4000K, 38°

Item Number: NMIOT-11-MPW-A-40X-10-MPW

Lumens: 1096lm Wattage: 11.6W Efficacy: 94lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	796	72.6
0-40	896	81.8
0-60	1023	93.3
0-90	1091	99.5

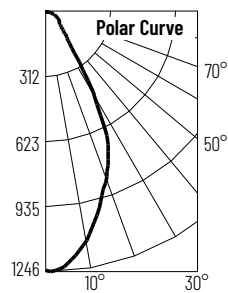
Candela Table	
Vertical Angles	Candela
0	2028
15	1239
25	619
35	126
45	85

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	127fc	2'-7"
6'	56.3fc	3'-11"
8'	31.7fc	5'-2"
10'	20.3fc	6'-6"
12'	14.1fc	7'-10"

ADJUSTABLE SNOOT 4000K, 60°

Item Number: NMIOT-11-MPW-A-40X-10-MPW

Lumens: 1060lm Wattage: 11.6W Efficacy: 91lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	701	66.1
0-40	849	80.1
0-60	986	93.1
0-90	1055	99.6

Candela Table	
Vertical Angles	Candela
0	1246
15	982
25	708
35	208
45	93

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	77.9fc	4'-1"
6'	34.6fc	6'-1"
8'	19.5fc	8'-1"
10'	12.5fc	10'-1"
12'	8.7fc	12'-2"

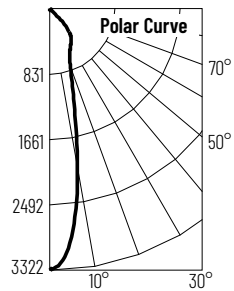
IOLITE SERIES

MULTIPLE PHOTOMETRICS

ADJUSTABLE GIMBAL 4000K, 24°

Item Number: NMIOT-11-MPW-G-40X-10-MPW

Lumens: 1335lm Wattage: 11.83W Efficacy: 113lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	856	64.1
0-40	1143	85.6
0-60	1318	98.7
0-90	1329	99.6

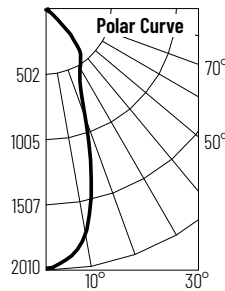
Candela Table	
Vertical Angles	Candela
0	3290
15	1147
25	599
35	464
45	176

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	206fc	1'-8"
6'	91.4fc	2'-6"
8'	51.4fc	3'-4"
10'	32.9fc	4'-2"
12'	22.8fc	5'

ADJUSTABLE GIMBAL 4000K, 37°

Item Number: NMIOT-11-MPW-G-40X-10-MPW

Lumens: 1331lm Wattage: 11.8W Efficacy: 113lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	843	63.3
0-40	1102	82.8
0-60	1312	98.6
0-90	1326	99.6

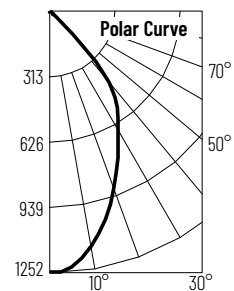
Candela Table	
Vertical Angles	Candela
0	1995
15	1355
25	630
35	474
45	229

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	125fc	2'-8"
6'	55.4fc	4'
8'	31.2fc	5'-5"
10'	20fc	6'-8"
12'	13.9fc	8'-1"

ADJUSTABLE GIMBAL 4000K, 60°

Item Number: NMIOT-11-MPW-G-40X-10-MPW

Lumens: 1320lm Wattage: 11.81W Efficacy: 112lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	755	57.2
0-40	1102	83.5
0-60	1300	98.5
0-90	1315	99.6

Candela Table	
Vertical Angles	Candela
0	1251
15	1022
25	759
35	565
45	195

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	78.2fc	4'-11"
6'	34.7fc	7'-4"
8'	19.5fc	9'-8"
10'	12.5fc	12'-2"
12'	8.7fc	14'-7"

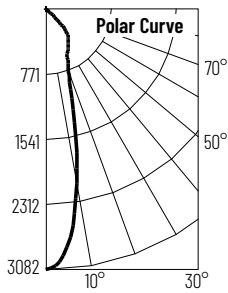
IOLITE SERIES

MULTIPLE PHOTOMETRICS

FIXED DOWNLIGHT 4000K, 25°

Item Number: NMIOT-11-B-F-40X-10-BMPW

Lumens: 1361lm Wattage: 11.7W Efficacy: 117lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	868	63.8
0-40	1157	85
0-60	1346	98.9
0-90	1349	99.14

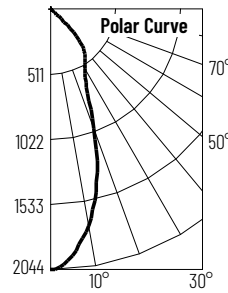
Candela Table	
Vertical Angles	Candela
0	3082
15	1208
25	595
35	464
45	227

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	193fc	1'-10"
6'	85.6fc	2'-10"
8'	48.2fc	3'-8"
10'	30.8fc	4'-7"
12'	21.4fc	5'-6"

FIXED DOWNLIGHT 4000K, 38°

Item Number: NMIOT-11-B-F-40X-10-BMPW

Lumens: 1368lm Wattage: 11.7W Efficacy: 117lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	867	63.4
0-40	1152	84.2
0-60	1354	99
0-90	1361	99.5

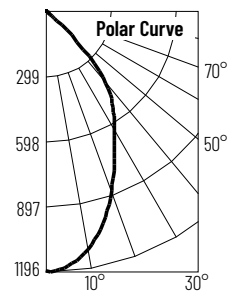
Candela Table	
Vertical Angles	Candela
0	2036
15	1386
25	654
35	455
45	237

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	127fc	2'-10"
6'	56.5fc	4'-4"
8'	31.8fc	5'-8"
10'	20.4fc	7'-1"
12'	14.1fc	8'-6"

FIXED DOWNLIGHT 4000K, 60°

Item Number: NMIOT-11-B-F-40X-10-BMPW

Lumens: 1340lm Wattage: 11.7W Efficacy: 115lpw



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	750	55.9
0-40	1095	81.7
0-60	1323	98.7
0-90	1333	99.5

Candela Table	
Vertical Angles	Candela
0	1194
15	1033
25	763
35	557
45	258

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	53.8fc	4'-11"
6'	23.9fc	7'-5"
8'	13.5fc	9'-11"
10'	8.6fc	12'-5"
12'	6fc	14'-10"

IOLITE SERIES

MULTIPLE PHOTOMETRICS

WALL WASH 4000K

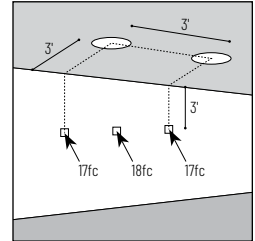
Item Number: NM10T-11-B-W-40X-10-MPW

Lumens: 586lm Wattage: 11.85W Efficacy: 49lpw

Multiple luminaire data (footcandles)			
Distance from Luminaire	<div> <div>2' from wall</div> <div>2' on center</div> </div>		
1'	31	28	31
2'	30	31	30
3'	17	18	17
4'	10	10	10
5'	6	6	6
6'	4	4	4
7'	2	2	2
8'	2	2	2
9'	1	1	1
10'	1	1	1

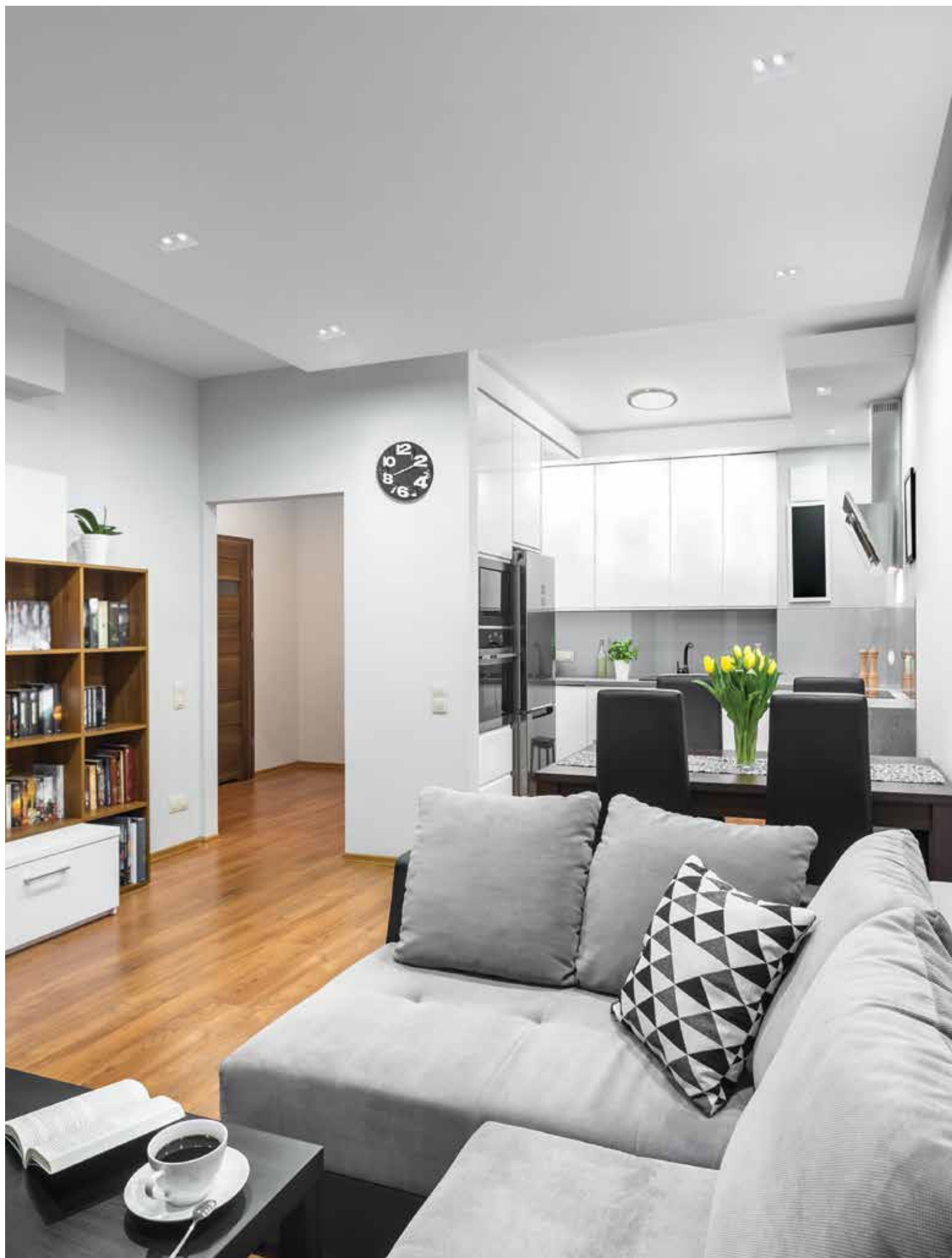
Multiple luminaire data (footcandles)			
Distance from Luminaire	<div> <div>2' from wall</div> <div>3' on center</div> </div>		
1'	28	16	28
2'	25	22	25
3'	15	15	15
4'	8	9	8
5'	5	5	5
6'	3	4	3
7'	2	2	2
8'	2	2	2
9'	1	1	1
10'	1	1	1

Multiple luminaire data (footcandles)			
Distance from Luminaire	<div> <div>3' from wall</div> <div>3' on center</div> </div>		
1'	8	7	8
2'	16	15	16
3'	13	14	13
4'	9	10	9
5'	6	7	6
6'	4	5	4
7'	3	3	3
8'	2	2	2
9'	2	2	2
10'	1	1	1



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 13fc beneath and 14fc between luminaires.

Notes





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