NIO-4SD

4" lolite Square Deep Adjustable Reflector with 10° Optic

Source: 12W

850lm

PRODUCT DESCRIPTION

4" lolite luminaires can be specified for use with lolite new construction or remodel housings. Die-cast adjustable reflectors optimize visual cut-off and adjustable to aim the light source in desired direction.

FEATURES

- Delivering up to 9038 center beam candlepower (CBCP)
- 2700K, 3000K, 3500K, 4000K @ 90+ CRI
- 10° TIR optic delivers luminous intensity of higher lumen downlights
- 5-Year limited warranty

SPECIFICATION

Construction: Trims are constructed of heat dissipating, die-cast aluminum. The aluminum die-cast LED heat sink is threaded to fit the trim and transfer heat.

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

OPTIC

Each luminaire includes 10° TIR optic (Note: cannot be changed in the field) Luminaire is also available with field changeable optics, Click Here for more information.

ELECTRICAL

Lumens / Wattage: 850lm / 12W Color Temperature: 2700K, 3000K, 3500K, 4000K Color Rendering Index: 90+CRI Operating Temperature: Specified by housing Lifetime: 50,000 hours @ L70 Dimming: Specified by housing

COMPATIBLE HOUSINGS

Luminaires are compatible with respective lolite housings manufactured by Nora Lighting. CATALOG NO DESCRIPTION

CATALUG NU.	DESCRIPTION
NHIOICD-48LE4	ICAT New Construction, 120-277V; Triac / ELV / 0-10V
NHIOICD-48LUPEQ	ICAT New Construction, 120/277V; Lutron EcoSystem
NHIOICDCP-48LE4	Chicago Plenum, 120-277V; Triac / ELV / 0-10V
NHIOICDCP-48LUPEQ	Chicago Plenum, 120/277V; Lutron EcoSystem
NHRIOIC-48LE4	ICAT Remodel, 120-277V; Triac / ELV / 0-10V

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

LABELS AND LISTINGS

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



Type

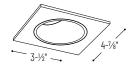
Project

Catalog No.

Notes

Performance Data								
Part Number	Lumens	CCT	CBCP					
NIO-4RD400WW	874lm	4000K	9038 cd					
Delivered lumens will v	Delivered lumens will vary depending on CCT and finish							

PRODUCT IMAGES & DIMENSIONS



NIO-4SD Square Deep Adjustable Reflector Adjustability: New Construction: 40° / Remodel: 25°



BB Black Reflector Black Flange

BW Black Reflector White Flange





ΒZ Bronze Reflector Bronze Flange

CHMPW Champagne Haze Reflector Matte Powder White Flange





HW Haze Reflector White Flange

HZMPW Haze Reflector Matte Powder White Flange



MPW

NN Natural Metal Reflector

Matte Powder White Reflector Matte Powder White Flange



NHIOICD-48LE4 = ICAT New Construction; Triac / ELV / 0-10V

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NHIOICD-48LUPEQ = ICAT New Construction; Lutron EcoSystem

WW White Reflector White Flange

Compatible Housings

Housing Type

4" Iolite Square Deep Adjustable Reflector with 10° Optic - Dedicated Housing Required Туре Color Temperature Finish NIO-4SD = Square Deep Adjustable 270 = 2700K BB = Black / Black **300** = 3000K BW = Black / White

350 = 3500K BZ = Bronze / Bronze CHMPW = Champagne / Matte Powder White 400 = 4000K HW = Haze / White HZMPW = Haze / Matte Powder White MPW = Matte Powder White NN = Natural Metal / Natural Metal WW = White / White

Example: NIO-4SD400WW = 4" lolite Square Deep Adjustable with 10° Optic, 4000K, White finish

4" lolite Accessories

4" lolite Square Deep Adjustable Reflector with 10° Optic

Туре

Project

Catalog No.

Notes

ACCESSORIES

lolite accessories can be added at any point in the design process. Accessories easily install between LED module and die-cast trim. Luminaire will accommodate (1) hex louver and (1) collar accessory, no accessory holder required.



FLUSH MOUNT

4" lolite trims can be installed flush with the drywall for a flush mount appearance. A flush mount mud ring is installed after the drywall and a professional drywall finisher floats the ceiling to blend in the mud ring.



Flush Mount Mud Ring

NIO-FMMR-4S

Square Mud Ring

Mounts trim flush to ceiling with flange visible. Mud ring attaches to drywall. **Only for use with NHIOICD-48 or NHIOICDCP-48 new construction housings and NIO-4S trims**. Dimensions: 7-7/8" diameter $\frac{1}{2}$ " thick



PHOTOMETRICS

Test Information

Test Number: NTR1892R1

Beam Spread: 12° Spot

CCT / CRI: 4000K / 90 CRI Spacing Criteria (0°-180°): 0.22

Spacing Criteria (90°-270°): 0.22

Lumens: 874lm

Wattage: 12.42W

Efficacy: 70lpw

Part Number: NIO-4SD40QWW

4" lolite Square Deep Adjustable Reflector with 10° Optic

Polar Curve

2297

4594

6891

9188

10°

Illuminance at a Distance

FC at Nadir

251fc

141fc

90.4fc

62.8fc

46.1fc

Distance from

Luminaire

6'

8'

10'

12'

14'

70°

50°

30°

Туре

Project

Beam Diameter

1'-4"

1'-8"

2'-1"

2'-7"

3'

Catalog No.

Notes

	Zonal Lumen Summary				Candela Table		
	Zone	Lumens	% Luminaire		Vertical Angles	Candela	
1	0-30	764	87.3		0	9038	
]	0-40	838	95.8		5	5946	
]	0-60	863	98.6		15	715	
]	0-90	874	100		25	316	
]	90-180	0	0		35	76	
-	0-180	874	100		45	15	

Lumen Output Multipliers

Color Temperature: 2700K (0.9), 3000K (0.96), 3500K (0.96), 4000K (1.00)

