

# NIO-4RW

## 4" Iolite Round Wall Wash

Source: 13W to 24W LED  
800lm to 2000lm

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

4" Iolite wall wash can be specified for use with Iolite new construction housings. Wall wash is used to illuminate a wall evenly at a fixed angle on 1:1 spacing (see photometrics).

### FEATURES

- 800lm, 1000lm, 1500lm or 2000lm LED packages
- 2700K, 3000K, 3500K, 4000K, 5000K @ 90+ CRI
- Comfort Dim (warm dimming) also available in 800lm only
- Flood optic, narrow flood and spot optics (included)
- 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 reflector and transfer heat.

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

### OPTICS

**800-1000lm:** Each luminaire includes field changeable optics (25° spot, 38° narrow flood and 60° flood - preinstalled).

**1500-2000lm:** Each luminaire includes field changeable TIR optics (30° spot, 45° narrow flood - preinstalled and 65° flood).

### ELECTRICAL

**Lumens / Wattage:** 800lm / 14W, 1000lm / 14W, 1500lm / 20W, 2000lm / 24W

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

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** Specified by housing

**Lifetime:** 50,000 hours @ L70

**Comfort Dim:** Comfort Dim color tunes the temperature from a bright 3100K (800lm) or 3000K (HL), to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm or HL (1500lm-2500lm).

**Dimming:** Specified by housing

### COMPATIBLE HOUSINGS

Luminaires are compatible with respective Iolite housings manufactured by Nora Lighting.

CATALOG NO.	DESCRIPTION	LUMENS / WATTAGE
<a href="#">NHIOICD-48</a>	ICAT New Construction	800-1000lm / 14W
<a href="#">NHIOICDCP-48</a>	Chicago Plenum	800-1000lm / 14W
<a href="#">NHIOICD-415</a>	ICAT New Construction	1500lm / 20W
<a href="#">NHIOICDCP-415</a>	Chicago Plenum	1500lm / 20W
<a href="#">NHIOICD-420</a>	ICAT New Construction	2000lm / 24W
<a href="#">NHIOICDCP-420</a>	Chicago Plenum	2000lm / 24W

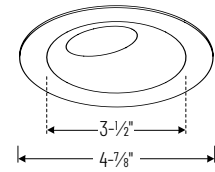
**Accessories:** Flush mount mud ring is available to give the appearance of a trimless.

### LABELS AND LISTINGS

- cULus Listed for Wet Locations
- [5-Year Limited Warranty](#)
- RoHS Compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



### PRODUCT IMAGES & DIMENSIONS



**NIO-4RW**  
Round Wall Wash Reflector  
Non-Adjustable



**BB**  
Black Reflector  
Black Flange



**CHMPW**  
Champagne Haze Reflector  
Matte Powder White Flange



**HW**  
Haze Reflector  
White Flange



**HZMPW**  
Haze Reflector  
Matte Powder White Flange



**MPW**  
Matte Powder White Reflector  
Matte Powder White Flange



**WW**  
White Reflector  
White Flange

## 4" Iolite Round Wall Wash - Dedicated Housing Required

Color Temperature	Finish	Lumens / Wattage
<b>NIO-4RW50X</b> = 5000K*	<b>BB</b> = Black / Black	(blank) = 800lm / 14W
<b>NIO-4RWCDX</b> = Comfort Dim <sup>†</sup>	<b>CHMPW</b> = Champagne / Matte Powder White	
<b>NIO-4RW27X</b> = 2700K	<b>HW</b> = Haze / White	<b>/10</b> = 1000lm / 14W
<b>NIO-4RW30X</b> = 3000K	<b>HZMPW</b> = Haze / Matte Powder White	<b>/HL</b> = 1500-2000lm
<b>NIO-4RW35X</b> = 3500K	<b>MPW</b> = Matte Powder White	(varies by housing)
<b>NIO-4RW40X</b> = 4000K	<b>WW</b> = White / White	
<b>NIO-4RW50X</b> = 5000K		
<b>NIO-4RWCDX</b> = Comfort Dim <sup>†</sup>		

\* 5000K LED modules in 800lm are while supplies last

<sup>†</sup> Comfort Dim available in 800lm only and 1" Iolite uses a different dimming curve than 2" & 4" Iolite

## Compatible Housings

Housing Type
<b>NHIOICD-48</b> = ICAT New Construction / 800-1000lm / 14W
<b>NHIOICDCP-48</b> = Chicago Plenum / 800-1000lm / 14W
<b>NHIOICD-415</b> = ICAT New Construction / 1500lm / 20W
<b>NHIOICDCP-415</b> = Chicago Plenum / 1500lm / 20W
<b>NHIOICD-420</b> = ICAT New Construction / 2000lm / 24W
<b>NHIOICDCP-420</b> = Chicago Plenum / 2000lm / 24W

Example: **NIO-4RW50XWW** = 4" Iolite Round Wall Wash, 5000K, White finish, 800lm

## 4" Iolite Accessories

### 4" Iolite Round Wall Wash

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#### FLUSH MOUNT

4" Iolite 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-4R**

Round Mud Ring

Mounts trim flush to ceiling with flange visible. Mud ring attaches to drywall. **Only for use with NH10ICD-48 or NH10ICDCP-48 new construction housings and NIO-4R trims.**

Dimensions: 7-1/8" diameter 1/2" thick

# PHOTOMETRICS

4" Iolite Round Wall Wash  
1000, 1500 and 2000 lumens

Type

Project

Catalog No.

Notes

## Test Information

Test Number: NTR1583R3  
Part Number: NIO-4RW40XWW/10  
Lumens: 1113lm  
Wattage: 13.78W  
Efficacy: 81lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.92  
Spacing Criteria (90°-270°): 0.76

Multiple unit data (footcandles)

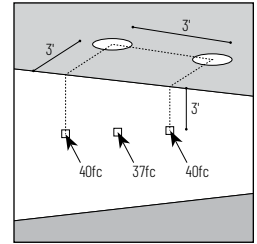
Distance from ceiling (ft.)	2' from wall 2' on center		
	1'	38	26
2'	90	84	90
3'	64	69	64
4'	39	43	39
5'	24	27	24
6'	15	17	15
7'	10	11	10
8'	7	7	7
9'	5	5	5
10'	4	4	4

Multiple unit data (footcandles)

Distance from ceiling (ft.)	2' from wall 3' on center		
	1'	35	14
2'	82	46	82
3'	54	46	54
4'	32	33	32
5'	20	22	20
6'	13	15	13
7'	9	10	9
8'	6	7	6
9'	5	5	5
10'	3	4	3

Multiple unit data (footcandles)

Distance from ceiling (ft.)	3' from wall 3' on center		
	1'	8	6
2'	33	21	33
3'	40	37	40
4'	33	34	33
5'	24	26	24
6'	18	19	18
7'	13	14	13
8'	9	10	9
9'	7	7	7
10'	5	6	5



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 40fc beneath and 37fc between luminaires.

## Lumen Output Multipliers

Color Temperature: 2700K (0.82), 3000K (0.84), 3500K (0.92), 4000K (1.00), 5000K (0.97)

## Test Information

Test Number: NTR1588R2  
Part Number: NIO-4RW40XWW/HL  
Lumens: 1477lm  
Wattage: 19.46W  
Efficacy: 76lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.84  
Spacing Criteria (90°-270°): 0.9

Multiple unit data (footcandles)

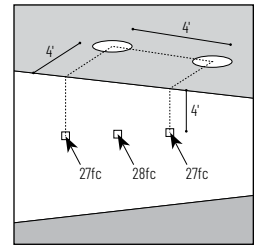
Distance from ceiling (ft.)	3' from wall 3' on center		
	1'	9	8
2'	38	29	38
3'	48	49	48
4'	38	43	38
5'	28	32	28
6'	20	23	20
7'	15	16	15
8'	11	11	11
9'	8	9	8
10'	6	7	6

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	1'	4	4
2'	12	10	12
3'	28	29	28
4'	31	33	31
5'	27	29	27
6'	21	23	21
7'	17	18	17
8'	13	14	13
9'	10	10	10
10'	8	8	8

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	1'	3	3
2'	11	8	11
3'	25	22	25
4'	27	28	27
5'	23	26	23
6'	19	21	19
7'	15	17	15
8'	11	13	11
9'	9	10	9
10'	7	8	7



**Example:** Two luminaires located 4' from wall and spaced 4' on center, the illumination on the wall 4' down from ceiling will be 27fc beneath and 28fc between luminaires.

## Lumen Output Multipliers

Color Temperature: 2700K (0.83), 3000K (0.89), 3500K (1.00), 4000K (1.00), 5000K (1.06)

## Test Information

Test Number: NTR1261  
Part Number: NIO-4RW40XWW/HL  
Lumens: 1788lm  
Wattage: 23.29W  
Efficacy: 77lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 0.28  
Spacing Criteria (90°-270°): 0.72

Multiple unit data (footcandles)

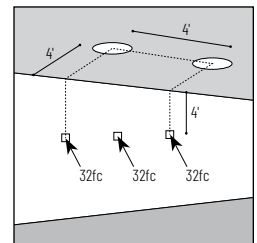
Distance from ceiling (ft.)	3' from wall 3' on center		
	1'	11	10
2'	48	35	48
3'	57	57	57
4'	45	51	45
5'	33	38	33
6'	24	27	24
7'	17	19	17
8'	13	14	13
9'	9	10	9
10'	7	8	7

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	1'	4	5
2'	15	12	15
3'	34	35	34
4'	37	39	37
5'	32	35	32
6'	25	27	25
7'	19	21	19
8'	15	16	15
9'	12	12	12
10'	9	9	9

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	1'	4	4
2'	14	9	14
3'	30	26	30
4'	32	32	32
5'	27	30	27
6'	22	25	22
7'	17	19	17
8'	13	15	13
9'	10	12	10
10'	8	9	8



**Example:** Two luminaires located 4' from wall and spaced 4' on center, the illumination on the wall 4' down from ceiling will be 32fc beneath and 32fc between luminaires.

## Lumen Output Multipliers

Color Temperature: 2700K (0.84), 3000K (0.87), 3500K (0.99), 4000K (1.00), 5000K (1.07)