

NHIOICD-48

4" Iolite IC Air-Tight New Construction Housing

Source: 14W LED
800lm to 1000lm

PRODUCT DESCRIPTION

New construction housing for use in insulated ceilings can be in direct contact with insulation**. Air-tight construction provides energy savings by reducing the flow of air through the ceiling. Patented design allows for easy, tool-less removal of the driver.

FEATURES

- IC rated for direct contact with insulation**
- Quick connect provided for electrical connection to the LED reflector
- ASTM E283 for Air-Tight
- Dimming down to 5%
- Patented driver assembly

SPECIFICATION

Housing: 0.040" Aluminum shallow housing with patented driver assembly, allows for driver to slide out without tools. Extension collar is available for ceiling thickness up to 2", must specify NIO-4EXTC2.

Air Flow Restriction: Meets requirements of Air Tight (AT) <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

Clearance:** "IC" Insulated ceiling housings are direct contact rated. Not to be used in direct contact with spray foam insulation.

Bar Hangers: Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on housing. Bar hangers are parallel to junction box, but can be repositioned 90° perpendicular to junction box if desired. "L"-shaped bar hanger foot to align to bottom of construction joist. A T-bar notch allows for easy installation in a suspended ceiling.

Junction Box: Pre-wired 25 cubic inch 0.064" thick galvanized steel, with seven 1/2" knockouts, four Romex® pryouts, and snap-on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Through branch circuit wiring, (4-in, 4-out).

ELECTRICAL

Voltage: 120V or 120-277V

Power Factor: >0.90

Operating Temp.: 122°F (50°C) max. ambient temp.

Wattage: 14W

Dimming: Triac / ELV or 0-10V Dimming

[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

COMPATIBLE TRIMS

CATALOG NO. DESCRIPTION

| | |
|------------|---|
| NIO-4RC | 4" Round Cone Regress |
| NIO-4SC | 4" Square Cone Regress |
| NIO-4RG | 4" Round Adj. Surface Gimbal |
| NIO-4SG | 4" Square Adj. Surface Gimbal |
| NIO-4RD | 4" Round Adj. Deep Regress |
| NIO-4SD | 4" Square Adj. Deep Regress |
| NIO-4RPH | 4" Round Pinhole |
| NIO-4RSL | 4" Round Slot Aperture |
| NIO-4RNB | 4" Round Bullnose |
| NIO-4SNB | 4" Square Bullnose |
| NIO-4RND | 4" Round Non-Adj. Deep Cone Regress |
| NIO-4SND | 4" Square Non-Adj. Deep Cone Regress |
| NIO-4SND | 4" Square Non-Adj. Deep, Square Regress |
| NIO-4RTLA | 4" Round Trimless Surface Adj. |
| NIO-4RTLND | 4" Round Trimless Deep Regress |
| NIO-4STLND | 4" Square Trimless Deep Regress |

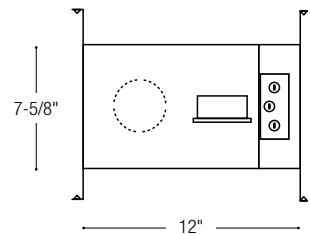
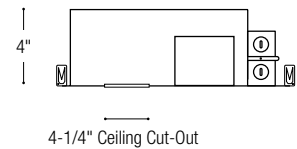
Emergency: Housing can be specified with connections for emergency battery installation. Requires top access. Must specify battery with remote test switch separately, NEPK-BSL17C-C2U.

LISTINGS AND WARRANTY

- cULus Listed for Damp Location
- cULus Listed for Wet Location (w/designated reflectors)
- [5-Year Limited Warranty](#)
- RoHS compliant
- Patent #D824567S
- Meets or exceeds ASTM-283 Air-Tight Requirements



PRODUCT IMAGES AND DIMENSIONS



4" Iolite IC Air-Tight New Construction Housing - Compatible with NIO-4 reflectors

| Driver / Dimming | Optional Emergency |
|---|---|
| NHIOICD-48LE3 = 120V input; Triac / ELV dimming | EM = Wire for Remote Emergency Battery (ordered separately) |
| NHIOICD-48LE4 = 120-277V input; Triac / ELV / 0-10V dimming | |

Optional Accessories

| Description |
|--|
| NEPK-BSL17C-C2U = Remote Emergency Battery w/Test Switch |
| NIO-4EXTC2 = Ceiling Extension Collar up to 2" |

Example: NHIOICD-48LE3 = 4" Iolite IC Air-Tight LED Dedicated New Construction Housing, 120V input; Triac / ELV dimming

NIO-4

4" Iolite Reflectors (New Construction and Remodel)

Source: 14W LED
800lm or 1000lm

PRODUCT DESCRIPTION

4" Iolite reflectors can be specified for use in new construction or remodel applications. The die-cast aluminum reflectors are available in square and round designs, with sharp and clean edges. Reflectors ship with a 60° optic installed, 25° and 38° optics are included and can be easily changed in the field. The reflectors produce 800 or 1000 lumen output at 90+ CRI, utilizing 14W.

FEATURES

- Cree® LED COB or Comfort Dim Technology
- Wide variety of reflectors and finishes
- 60° (Flood) optic installed, 38° (Narrow flood) and 25° (Spot) optics included
- 5-Year limited warranty

CONSTRUCTION

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

Reflectors:

NIO-4RNDC / NIO-4SNDC / NIO-4SNSQ: Deep regressed cone reflectors optimize visual cut-off.
NIO-4RG / NIO-4SG: Adjustable surface gimbals adjust up to 40° (Remodel) or 45° (New Construction). NIO-4SD adjust up to 35°.
NIO-4RC / NIO-4SC: Regressed cone reflectors optimize visual cut-off and adjust up to 40° (Remodel) or 45° (New Construction). NIO-4SC adjust up to 35°.
NIO-4RD / NIO-4SD: Adjustable deep regressed cone reflectors optimize visual cut-off and adjusts up to 40° (Remodel) or 45° (New Construction). NIO-4SD adjust up to 35°.
NIO-4RPH: Pinhole reflector focuses the beam spread through 2-1/4" opening.
NIO-4RSL: Adjustable slot aperture focus the beam spread through 2-1/4" x 2" opening and adjust up to 15° (Remodel) or 30° (New Construction).

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

Field Changeable Optics: Each reflector comes with a 60° (installed), 38° and 25° optics (included). Premium TIR optics are also available in 15° or 25°, see page 2.

ELECTRICAL

Lumens / Wattage:

800lm / 14W (New Construction or Remodel Housing)

1000lm / 14W (New Construction Housing only)

Color Temperature:

2700K, 3000K, 3500K, 4000K, 5000K

CRI: 90+

Operating Temp.: 0°C to 45°C ambient temperature

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.

Dimming: Specified by housing

COMPATIBLE HOUSINGS

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

CATALOG NO.

DESCRIPTION

NHIOICD-48 4" IC Air-Tight New Construction

NHRIIC-48 4" IC Air-Tight Remodel

Accessories: Reflectors will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 4. Flush mount mud ring is available to give the appearance of a trimless reflector, compatible with new construction housing only.

LISTINGS AND WARRANTY

- cULus Listed for Wet Location (NIO-4RD and NIO-4SD are rated for damp location)
- ENERGY STAR® certified
- 5 Year Limited Warranty
- RoHS Compliant
- Can be used to comply with 2016 Title 24 – part 6 High Efficacy LED light source requirements



PRODUCT IMAGES AND DIMENSIONS



NIO-4RG Round Surface
40° - 45° Adjustable
BB, BZ, MPW, NN, WW



NIO-4SG Square Surface
35° Adjustable
BW, BZ, MPW, NN, WW



NIO-4RC Round 0.64" Reg. Cone
40° - 45° Adjustable
BB, BW, BZ, HW, MPW, NN, WW



NIO-4SC Square 0.64" Reg. Cone
35° Adjustable
BB, BW, BZ, HW, MPW, NN, WW



NIO-4RD Round Deep Cone
(2" Regressed)
40° - 45° Adjustable
BB, BW, BZ, HW, MPW, NN, WW



NIO-4SD Square Deep Cone
(2" Regressed)
35° Adjustable
BB, BZ, MPW, NN, WW



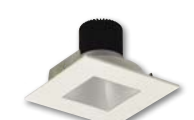
NIO-4RNDC Round Deep
Regressed Cone
Non-Adjustable
BB, BW, BZ, HW, MPW, NN, WW



NIO-4SNDC Square Deep
Regressed Cone
Non-Adjustable
BB, BW, BZ, HW, MPW, NN, WW



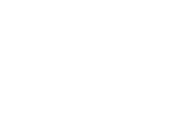
NIO-4RPH Round Non-Adj.
Pinhole
Non Adjustable
BB, BMPW, HZMPW, MPWMPW



NIO-4SNSQ Square Deep Cone,
Square Regressed
Non Adjustable
BB, BW, BZ, HN, HW, MPW, WW



NIO-4RSL Round Adj. Slot
Aperture
15° - 30° Adjustable
BB, BMPW, HZMPW, MPWMPW



NIO-4RNB Round Bullnose
Non-Adjustable
BB, BZ, MPW, NN, WW



NIO-4SNB Square Bullnose
Non-Adjustable
BZ, MPW, NN, WW

4" Iolite Reflectors - Dedicated Housing Required

| Shape | Reflector Style | Color Temp. | Finish ¹ | Lumens |
|------------------------|---|---------------------------------------|---|------------------------|
| NIO-4R = Round | C = Cone Regress | 27X = 2700K | BB = Black / Black | (blank) = 800lm |
| NIO-4S = Square | G = Adj. Surface Gimbal | 30X = 3000K | BW = Black / White | /10 = 1000lm |
| | D = Adj. Deep Cone Regress | 35X = 3500K | BZ = Bronze / Bronze | |
| | NDC = Non-Adj. Deep Cone Regress | 40X = 4000K | HN = Haze / Natural Metal | |
| | NDSQ = Deep Cone Non-Adj. Square Regress | 50X = 5000K | HW = Haze / White | |
| | | CDX = Comfort Dim [†] | HZMPW = Haze / Matte Powder White | |
| | <i>NDSQ only available with square trim</i> | | MPW = Matte Powder White | |
| | PH = Non-Adj. Pinhole (round only) | | NN = Natural Metal / Natural Metal | |
| | SL = Slot Adjustable (round only) | | WW = White / White | |
| | NB = Non-Adj. Bullnose | | | |

[†] Comfort Dim technology available in 800lm and uses non-Cree COB modules. 1" & 2" Iolite uses a different dimming curve than 4" Comfort Dim

¹ Not all finishes are available on all trims

Example: **NIO-4RG27XWW** = 4" Iolite Round Adjustable Surface Gimbal, 2700K, White Finish, 800lm

NIO-4RTL / NIO-4STL

4" Iolite Trimless Reflectors (New Construction only)

Source: 14W LED
800lm or 1000lm

PRODUCT DESCRIPTION

4" Trimless Iolite reflectors have no exposed trim flange and does not extend beyond the ceiling plane. Iolite Trimless requires a Trimless Mud Ring and New Construction housing. Reflectors ship with a 60° optic installed, 25° and 38° optics are included and can be easily changed in the field. The reflectors produce 800 or 1000 lumen output at 90+ CRI, utilizing 14W.

FEATURES

- Cree® LED COB or Comfort Dim Technology
- Variety of reflectors and finishes
- 60° (Flood) optic installed, 38° (Narrow flood) and 25° (Spot) optics included
- 800 or 1000 lumens @ 14W
- 5-year limited warranty
- ENERGY STAR certified

CONSTRUCTION

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

Reflectors:

NIO-4RTLND / NIO-4STLND: Deep regressed cone reflectors optimize visual cut-off.
NIO-4RTLA: Regressed cone reflector optimizes visual cut-off and adjust up to 35°.

Mounting: Reflector includes friction clips to mount securely in trimless die-cast mud-ring.

Field Changeable Optics: Each reflector comes with a 60° (installed), 38° and 25° optics (included). Premium TIR optics are also available in 15° or 25°, see page 2.

ELECTRICAL

Lumens / Wattage:

800lm or 1000lm / 14W

Color Temperature:

2700K, 3000K, 3500K, 4000K, 5000K

CRI: 90+

Operating Temp.: 0°C to 45°C ambient temperature

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.

Dimming: Specified by housing

COMPATIBLE HOUSINGS

Reflectors are compatible with respective Iolite housing manufactured by Nora Lighting.

CATALOG NO. DESCRIPTION

NHIOCD-48 4" IC Air-Tight New Construction

Accessories: Reflectors will accommodate (1) hex louver and (1) translucent deco collar or opaque snoot, no accessory holder is required, see page 4.

LISTINGS AND WARRANTY

- cULus Listed for Wet Location (NIO-4RTLA is rated for damp location)
- ENERGY STAR® certified
- [5 Year Limited Warranty](#)
- RoHS Compliant
- Can be used to comply with 2016 Title 24 – part 6 High Efficacy LED light source requirements



PRODUCT IMAGES AND DIMENSIONS



NIO-4RTLA Round Trimless Surface

40° - 45° Adjustable

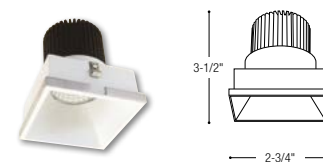
BB, BW, BZ, HW, HZ, MPW, WW



NIO-4RTLND Round Trimless Deep Regressed Cone

Non-Adjustable

BB, BW, BZ, MPW, WW



NIO-4STLND Square Trimless Deep Regressed Cone

Non-Adjustable

BB, BZ, HZ, MPW, WW

4" Iolite Trimless Reflectors - New Construction Housing & Trimless Mud Ring Required

| Shape | Reflector Style | Color Temp. | Finish ¹ | Lumens |
|-------------------|----------------------------------|--------------------|--------------------------|-----------------|
| NIO-4RTL = Round | A = Adjustable (round only) | 27X = 2700K | BB = Black | (blank) = 800lm |
| NIO-4STL = Square | NDC = Non-Adj. Deep Cone Regress | 30X = 3000K | BW = Black / White | /10 = 1000lm |
| | | 35X = 3500K | BZ = Bronze | |
| | | 40X = 4000K | HW = Haze / White | |
| | | 50X = 5000K | HZ = Haze | |
| | | CDX = Comfort Dim† | MPW = Matte Powder White | |
| | | | WW = White | |

† Comfort Dim technology available in 800lm & uses non-Cree COB modules. 1" & 2" Iolite uses a different dimming curve than 4" Comfort Dim

¹ Not all finishes are available on all trims

4" Trimless Mud Ring

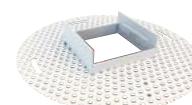
Aperture

NIO-TLMR-4R = 4" Round Trimless Mud Ring

NIO-TLMR-4S = 4" Square Trimless Mud Ring



NIO-TLMR-4R
Round Trimless Mud Ring



NIO-TLMR-4S
Square Trimless Mud Ring

Example: NIO-4RTLND27XWW / NIO-TLMR-4R = 4" Iolite Round Trimless Non-Adjustable Deep Cone Regress, 2700K, White Finish, 800lm / 4" Round Trimless Mud Ring

4" Iolite Accessories

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



Frosted Filter-Optic

| | |
|--------------|-----------|
| NIO-REFL15FR | 15° Optic |
| NIO-REFL25FR | 25° Optic |
| NIO-REFL38FR | 38° Optic |
| NIO-REFL60FR | 38° Optic |



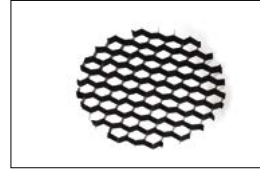
Translucent Deco Collar

| | |
|--|------|
| NIO-AS14(color) | 5/8" |
| NIO-AS19(color) | 3/4" |
| NIO-AS24(color) | 1" |
| Color: BLU Blue, AM Amber, FR Frost, R Red | |



Opaque Collar Snoot

| | |
|--|------|
| NIO-AS14(color) | 5/8" |
| NIO-AS19(color) | 3/4" |
| NIO-AS24(color) | 1" |
| Color: BLK Black, MPW Matte Powder White, WH White | |



Hex Cell Louver

| | |
|--|--|
| NIO-HC | |
| Hex cell louver subtly reduces aperture brightness by reducing light output by about 20% | |



Premium TIR Optics

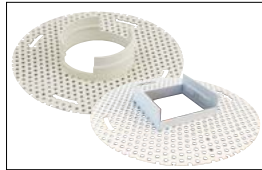
| | |
|---------------|-----------|
| NIO-REFLTIR15 | 15° Optic |
| NIO-REFLTIR25 | 25° Optic |



Flush Mount Mud Ring

| | |
|-------------|-----------|
| NIO-FMMR-4R | 4" Round |
| NIO-FMMR-4S | 4" Square |

Mounts trim flush to ceiling with trim flange visible. Attaches to drywall. Requires professional drywall finishing. **Requires and only for use with NHIOICD-48 new construction housing and NIO-4 trims.**
7-7/8" Diameter 1/2" Thick



Trimless Mud Ring

| | |
|-------------|-----------|
| NIO-TLMR-4R | 4" Round |
| NIO-TLMR-4S | 4" Square |

Mounts Trimless trim with no exposed flange and no extension beyond ceiling plane. Attaches to drywall. Requires professional drywall finishing. **Requires and only for use with NHIOICD-48 new construction housing and NIO-4RTL or NIO-4STL Trimless reflector.**
7-7/8" Diameter 1/2" Thick



Ceiling Extension Collar

NIO-4EXTC2

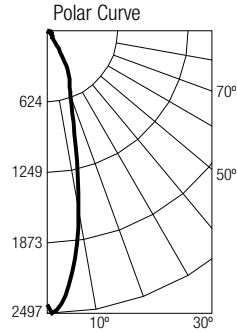
Allows new construction housing to install in ceiling thicknesses up to 2". **Only for use with NHIOICD-48 new construction housing.**

PHOTOMETRICS

4" Iolite Series

Test Information

Test Number: NTR11248
 Part Number: NIO-4RG3025WW
 Beam Spread: Spot
 Lumens: 939lm
 Wattage: 14.4W
 Efficacy: 65lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.42
 Spacing Criteria (90°-270): 0.42



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 156fc | 1'-10" |
| 6' | 69.4fc | 2'-7" |
| 8' | 39fc | 3'-6" |
| 10' | 25fc | 4'-5" |
| 12' | 17.3fc | 5'-4" |

Zonal Lumen Summary

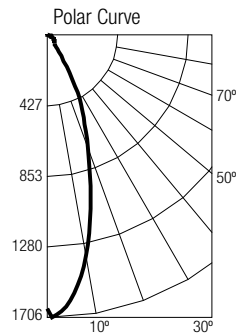
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 667 | 71 |
| 0-40 | 761 | 81 |
| 0-60 | 861 | 91.7 |
| 0-90 | 936 | 99.7 |
| 90-180 | 3 | 0.3 |
| 0-180 | 939 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2497 |
| 5 | 2255 |
| 15 | 905 |
| 25 | 466 |
| 35 | 129 |
| 45 | 68 |

Test Information

Test Number: NTR11249
 Part Number: NIO-4RG3038WW
 Beam Spread: Narrow Flood
 Lumens: 929lm
 Wattage: 14.6W
 Efficacy: 64lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.58
 Spacing Criteria (90°-270): 0.58



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 106fc | 2'-6" |
| 6' | 47.1fc | 3'-10" |
| 8' | 26.5fc | 5' |
| 10' | 17fc | 6'-4" |
| 12' | 11.8fc | 7'-6" |

Zonal Lumen Summary

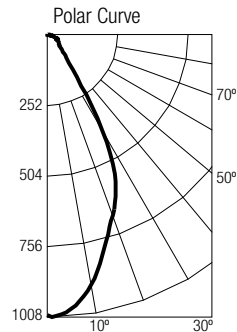
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 652 | 70.2 |
| 0-40 | 747 | 80.4 |
| 0-60 | 848 | 91.3 |
| 0-90 | 926 | 99.7 |
| 90-180 | 3 | 0.3 |
| 0-180 | 929 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1697 |
| 5 | 1602 |
| 15 | 1013 |
| 25 | 495 |
| 35 | 126 |
| 45 | 68 |

Test Information

Test Number: NTR11250
 Part Number: NIO-4RG3060WW
 Beam Spread: Flood
 Lumens: 927lm
 Wattage: 14.5W
 Efficacy: 64lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.86
 Spacing Criteria (90°-270): 0.86



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 62.7fc | 4'-2" |
| 6' | 27.9fc | 6'-5" |
| 8' | 15.7fc | 8'-6" |
| 10' | 10fc | 10'-7" |
| 12' | 7fc | 12'-8" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 583 | 62.9 |
| 0-40 | 726 | 78.3 |
| 0-60 | 841 | 90.7 |
| 0-90 | 924 | 99.7 |
| 90-180 | 3 | 0.3 |
| 0-180 | 927 | 100 |

Candela Table

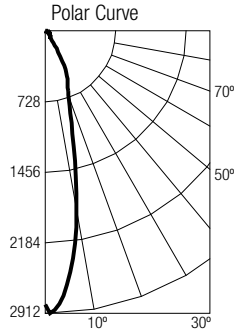
| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1003 |
| 5 | 979 |
| 15 | 802 |
| 25 | 594 |
| 35 | 212 |
| 45 | 80 |

PHOTOMETRICS

4" Iolite Series

Test Information

Test Number: NTR11236
 Part Number: NIO-4RG3025WW/10
 Beam Spread: Spot
 Lumens: 1111lm
 Wattage: 13W
 Efficacy: 85lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.44
 Spacing Criteria (90°-270): 0.46



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 176fc | 1'-10" |
| 6' | 78.4fc | 2'-8" |
| 8' | 44.1fc | 3'-7" |
| 10' | 28.2fc | 4'-6" |
| 12' | 19.6fc | 5'-5" |

Zonal Lumen Summary

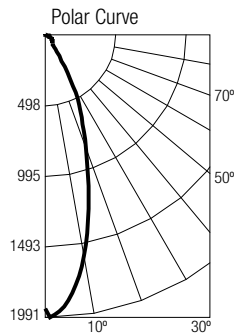
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 795 | 71.6 |
| 0-40 | 911 | 82 |
| 0-60 | 1022 | 92 |
| 0-90 | 1104 | 99.3 |
| 90-180 | 8 | 0.7 |
| 0-180 | 1111 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2822 |
| 5 | 2559 |
| 15 | 1111 |
| 25 | 550 |
| 35 | 150 |
| 45 | 76 |

Test Information

Test Number: NTR11237
 Part Number: NIO-4RG3038WW/10
 Beam Spread: Narrow Flood
 Lumens: 1098lm
 Wattage: 13W
 Efficacy: 84lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.6
 Spacing Criteria (90°-270): 0.62



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 120fc | 2'-7" |
| 6' | 53.5fc | 3'-11" |
| 8' | 30.1fc | 5'-2" |
| 10' | 19.3fc | 6'-6" |
| 12' | 13.4fc | 7'-10" |

Zonal Lumen Summary

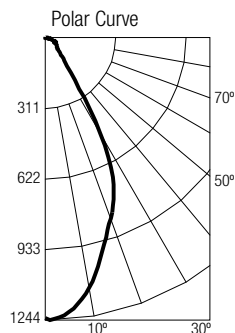
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 766 | 69.7 |
| 0-40 | 890 | 81.1 |
| 0-60 | 1005 | 91.5 |
| 0-90 | 1090 | 99.3 |
| 90-180 | 8 | 0.7 |
| 0-180 | 1098 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1928 |
| 5 | 1839 |
| 15 | 1187 |
| 25 | 578 |
| 35 | 163 |
| 45 | 76 |

Test Information

Test Number: NTR11238
 Part Number: NIO-4RG3060WW/10
 Beam Spread: Flood
 Lumens: 1084lm
 Wattage: 13W
 Efficacy: 83lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.84
 Spacing Criteria (90°-270): 0.84



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 77.3fc | 4'-2" |
| 6' | 34.4fc | 6'-2" |
| 8' | 19.3fc | 8'-4" |
| 10' | 12.4fc | 10'-5" |
| 12' | 8.6fc | 12'-6" |

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 |
| 90-180 | 7 | 0.7 |
| 0-180 | 1084 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1237 |
| 5 | 1212 |
| 15 | 971 |
| 25 | 713 |
| 35 | 227 |
| 45 | 89 |