

# NHIOICD-48 / NHIOICDCP-48

## 4" Iolite IC Air-Tight New Construction Housing

Source: 14W LED

800lm or 1000lm

Type

Project

Catalog No.

Notes

### 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
- Patented driver assembly

### SPECIFICATION

**Housing:** 0.040" Aluminum shallow housing with patented driver assembly, allows for driver to slide out without tools. Housing can be installed in 1/2" ceiling thickness, an 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 (must specify)

**Power Factor:** >0.90

**Operating Temp.:** 104°F (40°C) max. ambient temperature

**Wattage:** 14W

**Dimming:** Triac / ELV or 0-10V (must specify)

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

### COMPATIBLE REFLECTORS

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-4RND	4" Round Deep Reflector
NIO-4SND	4" Square Deep Reflector
NIO-4RPHA	4" Round Adj. Pinhole
NIO-4RPH	4" Round Pinhole
NIO-4SND	4" Square Reflector / Square Aperture
NIO-4RSL	4" Round Adj. Slot Aperture
NIO-4RNB	4" Round Bullnose
NIO-4SNB	4" Square Bullnose
NIO-4SDS	4" Square Adjustable / Square Aperture
NIO-4SW	4" Square Wall Wash
NIO-4RTLA	4" Round Trimless Adj. Reflector
NIO-4RTLND	4" Round Trimless Reflector
NIO-4STLND	4" Square Trimless Reflector

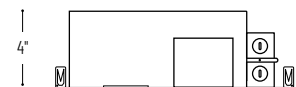
**Emergency:** Housing can be specified with connections for emergency battery installation. Requires top access. Must specify battery with remote test switch separately, NEPK-07LEDUNV.

### LABELS AND LISTINGS

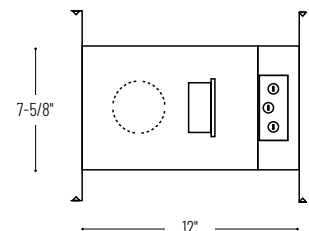
- cULus Listed for Damp Location (Wet Location when used with compatible reflector)
- [5-Year Limited Warranty](#)
- RoHS Compliant
- Patent #D824567S
- Meets or exceeds ASTM-283 Air-Tight requirements



### PRODUCT IMAGES AND DIMENSIONS



4-1/4" Ceiling Cut-Out



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

Housing Type	Driver / Dimming	Optional Emergency
NHIOICD-48 = IC Air-Tight	LE3 = 120V input; Triac / ELV dimming	/PEM = Remote Emergency for LE3
	LE4 = 120-277V input; Triac / ELV / 0-10V dimming	/GWPEM = Remote Emergency for LE4
	LUPE0 = 120/277V input; Lutron Hi-lume Premier 0.1% EcoSystem with Soft-On, Fade-to-Black	
	LUPE01 = 120/277V input; Lutron Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black	
NHIOICDCP-48 = Chicago Plenum	LE3 = 120V input; Triac / ELV dimming	/PEM = Remote Emergency for LE3
	LE4 = 120-277V input; Triac / ELV / 0-10V dimming	/GWPEM = Remote Emergency for LE4

## Optional Accessories

Description
NEPK-07LEDUNV = Remote Emergency Battery w/Test Switch
NIO-4EXTC2 = Ceiling Extension Collar up to 2"

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