

NHIOICD-16 / NHIOICDCP-16

1" Iolite IC Air-Tight New Construction Housing

Source: 9W or 10W LED

600lm

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.

SPECIFICATION

Housing: 0.040" Aluminum shallow housing can be installed in 1/2" ceiling thickness, an extension collar (NIO-1EXTC2) is available for ceiling thickness up to 2".

Patented Driver Assembly: Allows driver to slide out of housing without tools from the room side.

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. Maximum of 8 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box. **Access above ceiling required** (use [remodel housing](#) and [frame-in](#) for access from room side)

ELECTRICAL	LE3	LE4
Input Voltage	120V	120-277V
Input Power	9W	10W
Power Factor	≥0.90	
Dimming	Triac / ELV	Triac / ELV / 0-10V
Operating Temp.	40°C max.	

COMPATIBLE TRIMS & MONOPOINTS

CATALOG NO.	DESCRIPTION
NIOB-1RNB	1" Round Bullnose (BWF)
NIOB-1SNB	1" Square Bullnose (BWF)
NIOB-1RNG	1" Round Straight Regress (BWF)
NIOB-1SNG	1" Square Straight Regress (BWF)
NIOB-1RPH	1" Round Pinhole (BWF)
NIOB-1RSL	1" Round Adj. Slot Aperture (BWF)
NIO-1RNB	1" Round Bullnose (NTF)
NIO-1SNB	1" Square Bullnose (NTF)
NIO-1RNG	1" Round Straight Regress (NTF)
NIO-1SNG	1" Square Straight Regress (NTF)
NIO-1RCY	1" iPOINT Cylinder
NIO-1RTC	1" iPOINT Cone

Emergency: Housing can be specified with connections for emergency battery installation. Requires access above ceiling. Must specify battery with remote test switch separately ([NEPK-07LEDUNV](#)).

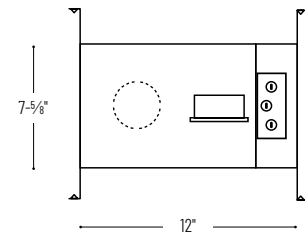
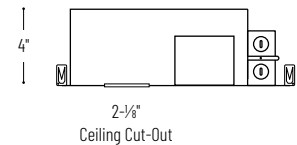
Note: Emergency is not compatible with NHIOICDCP-16

LABELS AND LISTINGS

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



PRODUCT IMAGES AND DIMENSIONS



1" Iolite IC Air-Tight New Construction Housing - Compatible with NIOB-1 & NIO-1 reflectors

Housing Type	Driver / Dimming	Optional Emergency Wiring
NHIOICD-16 = IC Air-Tight	LE3 = 120V input; Triac / ELV dimming LE4 = 120-277V input; Triac / ELV / 0-10V dimming	/PEM = Remote Emergency
NHIOICDCP-16 = Chicago Plenum	LE3 = 120V input; Triac / ELV dimming LE4 = 120-277V input; Triac / ELV / 0-10V dimming	

Optional Accessories

Description
NEPK-07LEDUNV = Remote Emergency Battery w/Test Switch
NIO-1EXTC2 = Ceiling Extension Collar up to 2"

Example: **NHIOICD-16LE3** = 1" Iolite IC Air-Tight New Construction Housing, 120V input; Triac / ELV dimming