NHIOICD-48 / NHIOICDCP-48

4" Iolite IC Air-Tight New Construction Housing
Source: 12W or 13W 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.

SPECIFICATION

Housing: 0.040" Aluminum shallow housing can be installed in ½" ceiling thickness, an extension collar (NIO-4EXTC2) 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 requirments 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 13-¾" to 24-½" 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 ½" 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. Junction box is accessible from the room side through housing opening.

ELECTRICAL

ELECTRICAL	LE3	LE4	LUPEQ
Input Voltage	120V	120-277V	120/277V
Input Power	13W	12W	13W
Power Factor	≥0.90		
Dimming	Triac / ELV	Triac / ELV / 0-10V	Lutron EcoSystem
Operating Temp.	40°C max.		

COMPATIBLE TRIMS

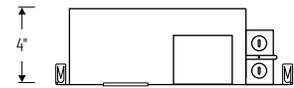| CATALOG NO.	DESCRIPTION
NIO-4RC	4" Round Adjustable Cone Regress
NIO-4SC	4" Square Adjustable Cone Regress
NIO-4RG	4" Round Adjustable Surface Gimbal
NIO-4SG	4" Square Adjustable Surface Gimbal
NIO-4RD	4" Round Adjustable Deep Regress
NIO-4SD	4" Square Adjustable Deep Regress
NIO-4RNDC (WET)	4" Round Deep Reflector
NIO-4SNDC (WET)	4" Square Deep Reflector
NIO-4RPH (WET)	4" Round Pinhole
NIO-4RPHA	4" Round Adjustable Pinhole
NIO-4RSL	4" Round Adjustable Slot Aperture
NIO-4RNB (WET)	4" Round Bullnose
NIO-4SNB (WET)	4" Square Bullnose
NIO-4SNDSQ (WET)	4" Square Reflector / Square Aperture
NIO-4SDSQ	4" Square Adjustable / Square Aperture
NIO-4RW (WET)	4" Round Wall Wash
NIO-4SW (WET)	4" Square Wall Wash
NIO-4RTLA	4" Round Trimless Adjustable Reflector
NIO-4RTLNDC (WET)	4" Round Trimless Reflector
NIO-4STLNDC (WET)	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. *Note:* Emergency is not compatible with Chicago Plenum housings.
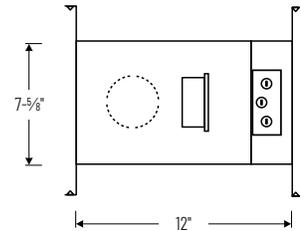
LABELS AND LISTINGS

- cULus Listed for Damp Locations
  (Wet Locations 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

PATENT No. D824567S

4" | 4-5/16" Ceiling Cut-Out

7-5/8" | 12"

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

Housing Type / Lumens	Driver / Dimming	Optional Emergency
NHIOICD-48 = IC Air-Tight 800lm or 1000lm	**LE3** = 120V input; Triac / ELV dimming **LE4** = 120-277V input; Triac / ELV / 0-10V dimming **LUPEQ** = 120/277V input; Lutron Hi-lume Premier 0.1% EcoSystem with Soft-On, Fade-to-Black (consult factory)	**/PEM** = Pre-Wired for Remote Emergency
NHIOICDCP-48 = Chicago Plenum 800lm or 1000lm	**LE3** = 120V input; Triac / ELV dimming **LE4** = 120-277V input; Triac / ELV / 0-10V dimming **LUPEQ** = 120/277V input; Lutron Hi-lume Premier 0.1% EcoSystem with Soft-On, Fade-to-Black (consult factory)	

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