

# NHICCP-6LMRAT

6" Chicago Plenum LED Dedicated New Construction Housing  
(Compatible with Cobalt, Onyx and Pearl)

Type

Project

Catalog No.

Notes

## PRODUCT DESCRIPTION

Dedicated new construction housing approved for City of Chicago Environmental Air (CCEA). Air-tight construction provides energy savings by reducing the flow of air through the ceiling. The housing is dedicated and labeled for use with Cobalt and Onyx LED fixtures.

## FEATURES

- IC rated for direct contact with insulation
- Quick connect provided for electrical connection to the LED downlights
- CCEA approved
- 24-1/2" bar hangers with captive nails and alignment foot

## CONSTRUCTION

**Plaster Frame:** High quality 0.04" steel die cut one piece frame.

**Housing:** 0.040 aluminum outer housing with white powder coated steel inner housing. Inner housing adjusts for ceiling thickness from 1/2" to 1-1/4". Spring brackets accept torsion wing trim springs; slots inside housing accept standard coil springs.

**Air Flow Restriction:** Housing has factory installed gaskets to restrict airflow from room into ceiling plenum to <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 frame. 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 allow for easy installation in a suspended ceiling.

**Junction Box:** Prewired 25 cubic inch 0.064" thick galvanized steel, with seven 1/2" trade size knockouts and 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.

## ELECTRICAL

**Input Voltage:** 120/277V

**Socket:** Quick connect for LED luminaires

**Operating Temperature:** 122°F (50°C) max.

**Dimming:** Specified by luminaire

## COMPATIBILITY

[NLCBC-6 / NLCBC2-6](#) = 6" Cobalt Downlights

[NOX-56 / NOXAC-56 / NOXTW-56](#) = 5"6" Onyx Downlights

[NOXAC-636](#) = 6" AC Onyx Square Reflector

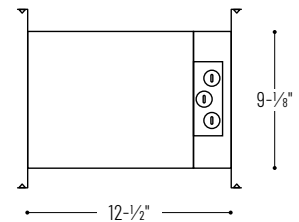
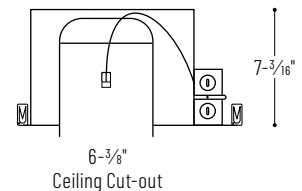
[NPR-56RND](#) = 5"6" Pearl Downlight

## LABELS AND LISTINGS

- cULus Listed for damp location & feed through (wet location when used with compatible trims)
- Meets or exceeds ASTM-283 Air-Tight requirements
- CCEA approved
- RoHS compliant



## PRODUCT IMAGES & DIMENSIONS



## 6" Chicago Plenum LED Dedicated New Construction Housing

Catalog No.

**NHICCP-6LMRAT** = 6" Chicago Plenum Housing, 120/277V input (120V Triac/ELV dimming)

**NHICCP-6LMRAT/4W** = 6" Chicago Plenum Housing, 120/277V input (120V Triac/ELV/0-10V & 277V 0-10V dimming, Cobalt only - LE4 required)

Example: **NHICCP-6LMRAT** = 6" Chicago Plenum LED Dedicated New Construction Housing, 120/277V input