

Type \_\_\_\_\_  
 Project \_\_\_\_\_  
 Catalog No. \_\_\_\_\_  
 Lamp/Wattage \_\_\_\_\_

## NHIC-4LEDAT 4" LED IC/Airtight New Construction Housing

Source: 11W LED

### PRODUCT DESCRIPTION

Dedicated new construction housings for use in insulated ceilings can be in direct contact with thermal insulation. Airtight construction provides energy savings by reducing the flow of air through the ceiling. Each LED housing requires a Nora Lighting LED Trim. The LED driver is attached to the housing to allow easy of installation. Integrating Osram® 1.2W LEDs and exceeding Title 24 high efficacy requirements with savings of over 75% when compared with a 65W BR30.

### Features

- IC rated for direct contact with insulation.
- Quick connector for electrical connection to the LED Trim.
- ASTM E283 for Air Tight.
- Title 24 Compliant.
- UL listed for through branch circuit wiring.
- UL listed for Wet Location.
- Economical 2-wire dimming down to 3%.
- 50,000 hours at 70% lumen maintenance rated life.
- Modular Design; Install Housing w/ Driver, then finish with the LED Trim.
- Three year limited warranty.

### CONSTRUCTION

#### Plaster Frame

One piece 0.040 galvanized steel die cut frame.

#### Housing

0.040 steel housing adjusts from 5/8" (Min) to maximum ceiling thickness of 1-5/8". Integral spring brackets remain flush with housing.

#### Clearance

"IC" Insulated Ceiling housings are direct contact rated; no minimum clearance is required.

#### 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. Bar hanger foot contoured to align to bottom of construction joist. A T-Bar notch allow for easy installation in a suspended ceiling.

### ELECTRICAL

#### LED Driver

120V AC, 60Hz, Power factor > 0.9 at 120V. Dimmable with most incandescent 2-wire dimmers. Mounted on the junction box for cool operation and easy access. Class 2 driver.

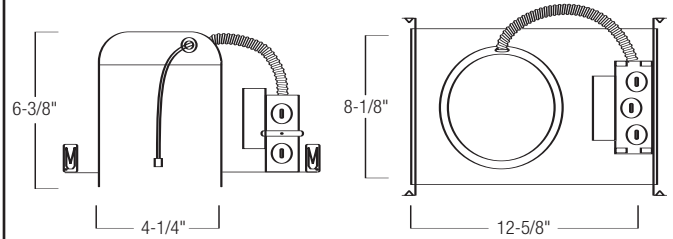
#### Junction Box

Prewired 25 cubic inch .064" thick galvanized steel, with seven 1/2" NPT 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).

#### Thermal Protector

Standard UL thermal protector rated for 90°C is affixed to inner top surface of housing.

### DIMENSIONS



Cut out: 4-1/4"  
 ID: 4"  
 OD: 4-5/8"  
 Housing Length: 12-5/8"  
 Housing Width: 8-1/8"  
 Height: 6-3/8"

### Compatibility

The NHIC-4LEDAT is compatible with:

- NTR-4LED: 4" (3-1/2" aperture) LED Reflector Trim with Self-Flanged die-cast trim ring.

### LED Source

9 LEDs at 1.2W each.

### Trim - Ordered Separately

Self-flanged die-cast trim ring with scientifically designed lens diffuses the LED image while providing high lumen output. Available in two color temperatures, 3000K and 4200K, to accommodate different appearances.

### Optional Dimming

A variety of incandescent and electronic low voltage dimmers are compatible with Nora's LED trims. Incandescent dimmers have a minimum circuit load of 4 LED Recessed fixtures. Electronic Low Voltage dimmers do not have a minimum load requirement.

#### Incandescent Dimmer

Lutron MAESTRO (MAW-600)  
 Lutron DIVA (DV-600P)

#### Electronic Low Voltage Dimmer

Lutron MAESTRO (MAELV-600)  
 Lutron DIVA (DVELV-300P)  
 Lutron SKYLARK (SELV-300P)

### Optional Accessories

NRA-28 27" Flat Bar Hangers

### Labels and Listings

UL Listed for Damp Location w/ Feed Through  
 UL Listed for Wet Location  
 Washington State Energy Code ASTM-E283 for Air Tight  
 Title 24 Compliant



Create a complete fixture/trim catalog number: Example: NHIC-4LEDAT / NTR-4LED30PP

Housing - select one box from each column

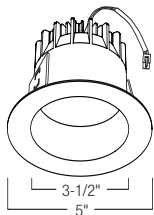
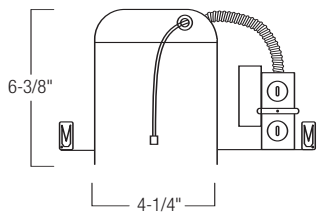
Catalog No.	Light Source	Airtight
NHIC-4	LED	AT

Trim

Catalog No.	Color Temperature	Reflector Finish	Flange Finish
NTR-4LED	30 = 3000K	B = Black	P = Platinum Diffused
	42 = 4200K	P = Platinum Diffused	W = White
		W = White	

## NHIC-4LEDAT REFLECTOR TRIM

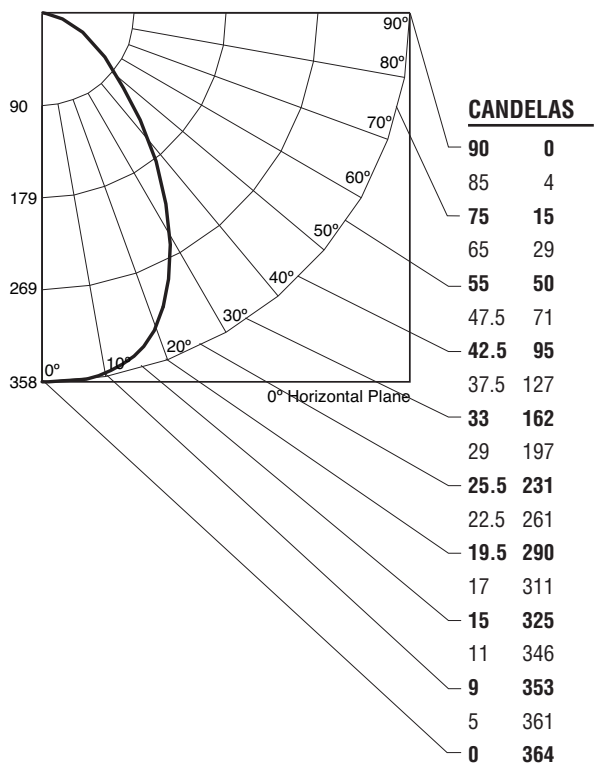
**NTR-4LED** 11W, 4", Self Flanged Reflector Trim  
(3-1/2" Aperture)



Color Temp: 3000K (30), 4200K (42)  
Reflector: Black (B), Platinum Diffused (P),  
White (W)  
Flange: Platinum Diffused (P), White (W)  
Aperture: 3-1/2"  
Trim OD: 5"  
Lamp: 9 LEDs  
UL Wet Location Listed  
\* Refer to Trim Spec Sheet for more info.\*

# NHIC-4LEDAT / NTR-4LED30WW White Self Flanged Reflector Trim

Lab: Light Laboratory Inc. Test No. LLI 0909-04C Spacing Criteria: 0.92 LPW: 45 Lamp: 9 3000K LEDs Total Watts: 10.8W Lumens: 485



## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	222.22	N.A.	45.8
0-40°	303.91	N.A.	62.6
0-60°	413.97	N.A.	85.3
0-90°	485.42	N.A.	100
90-120°	0	N.A.	0
90-130°	0	N.A.	0
90-150°	0	N.A.	0
90-180°	0	N.A.	0
0-180°	485.42	N.A.	100

## BEAM & CONE DATA

Mounting Height	F.C. at Center	Circle Diameter
4'	22.8	3.7'
6'	10.1	5.5'
8'	5.7	7.4'
9'	4.5	8.3'
10'	3.6	9.2'