

Type _____
 Project _____
 Catalog No. _____
 Lamp/Wattage _____

NHRIC-6LEDAT 6" LED IC/Airtight Remodel Housing

Source: 14W LED

PRODUCT DESCRIPTION

Dedicated remodel 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 connect provided 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

Housing

0.040 steel housing adjusts to maximum ceiling thickness of 1-5/8" (41mm). Housing terminates at a 1/4" ceiling flange for even positioning of housing angle withing the ceiling. Structural arm consisting of 0.050 structural steel connects housing with junction box. Fixture may be installed in areas where it will have direct contact with thermal insulation.

Mounting

Four high tension springs secure the housing to an existing sheet rock ceiling. Accommodates ceiling thickness to 1-5/8" (41mm).

Clearance

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

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

Plaster frame integrated 15 cubic inch .064" thick galvanized steel, with seven 1/2" NPT knockouts, four Romex® pryouts, and snap on covers. Electrical connections are made through junction box wrap. Electrical grounding automatic when feeding with grounded steel EMT pipe or flex. Green wire provided installations with ground wire fed through PVC pipe conduit.

Thermal Protector

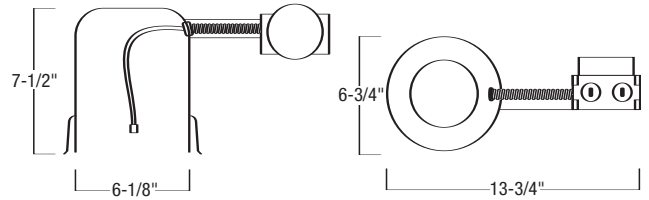
Standard UL thermal protector rated for 90°C is affixed to inner top surface of housing.

Compatibility

The NHRIC-6LEDAT is compatible with:

- NTR-6LED: 6" (5-1/2" aperture) LED Reflector Trim with Self-Flanged die-cast trim ring.

DIMENSIONS



Cut out: 6-3/8"
 ID: 6"
 OD: 7-1/8"

Housing Length: 13-3/4"
 Housing Width: 6-3/4"
 Height: 7-1/2"

LED Source

12 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)

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: NHRIC-6LEDAT / NTR-6LED30PP

Housing - select one box from each column

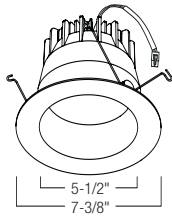
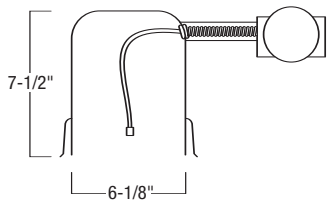
Catalog No.	Light Source	Airtight
NHRIC-6	LED	AT

Trim

Catalog No.	Color Temperature	Reflector Finish	Flange Finish
NTR-6LED	30 = 3000K	B = Black	P = Platinum Diffused
	42 = 4200K	P = Platinum Diffused	W = White
		W = White	

NHRIC-6LEDAT REFLECTOR TRIM

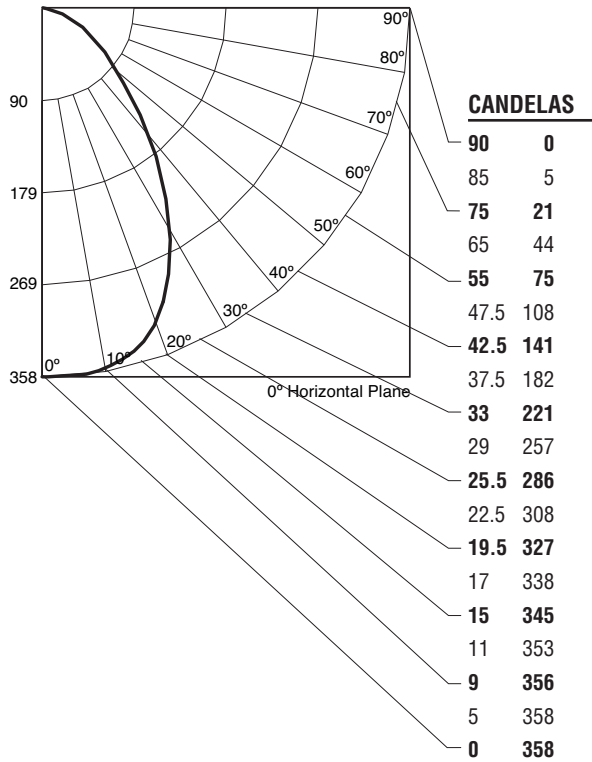
NTR-6LED 14W, 6", Self Flanged Reflector Trim
(5-1/2" Aperture)



Color Temp: 3000K (30), 4200K (42)
Reflector: Black (B), Platinum Diffused (P),
White (W)
Flange: Platinum Diffused (P), White (W)
Aperture: 5-1/2"
Trim OD: 7-1/8"
Lamp: 12 LEDs
UL Wet Location Listed
* Refer to Trim Spec Sheet for more info.*

NHRIC-6LEDAT / NTR-6LED30WW White Self Flanged Reflector Trim

Lab: Light Laboratory Inc. Test No. LLI 0909-04A Spacing Criteria: 1.08 LPW: 44 Lamp: 12 3000K LEDs Total Watts: 14.4W Lumens: 630



ZONAL LUMEN SUMMARY

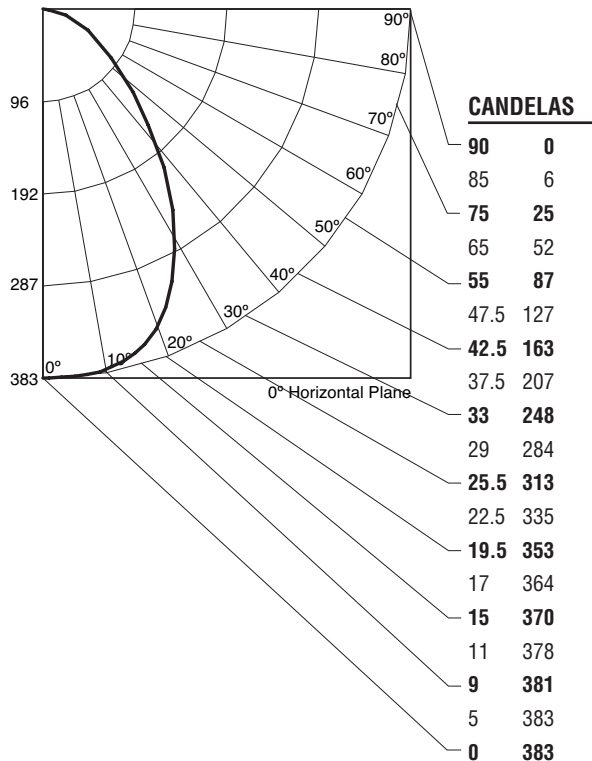
Zone	Lumens	%Lamp	%Fixture
0-30°	249.69	N.A.	39.6
0-40°	361.05	N.A.	57.3
0-60°	524.85	N.A.	83.3
0-90°	630.13	N.A.	100
90-120°	0	N.A.	0
90-130°	0	N.A.	0
90-150°	0	N.A.	0
90-180°	0	N.A.	0
0-180°	630.13	N.A.	100

BEAM & CONE DATA

Mounting Height	F.C. at Center	Circle Diameter
4'	22.4	4.3'
6'	9.9	6.5'
8'	5.6	8.6'
9'	4.4	9.7'
10'	3.6	10.8'

NHRIC-6LEDAT / NTR-6LED42WW White Self Flanged Reflector Trim

Lab: Light Laboratory Inc. Test No. LLI 0809-13A Spacing Criteria: 1.12 LPW: 52 Lamp: 12 4200K LEDs Total Watts: 13.65W Lumens: 709



ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	270.27	N.A.	38.1
0-40°	395.13	N.A.	55.7
0-60°	585.1	N.A.	82.5
0-90°	709	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°	709	N.A.	100

BEAM & CONE DATA

Mounting Height	F.C. at Center	Circle Diameter
4'	23.6	4.5'
6'	10.5	6.7'
8'	5.9	9.0'
9'	4.7	10.1'
10'	3.8	11.2'