

# NLCBC-45 COBALT Series

4" 95CRI Recessed Retrofit Downlight

Source: 16.6W Chip on Board 1000Lm LED

## PRODUCT DESCRIPTION

Nora Lighting's 4" LED Cobalt Luminaires are cULus listed for use in existing 4" IC or Non-IC housings manufactured by Nora and others. The units provide 1000 Lumen output, drawing 16.6W and rendering 95CRI. Nora's 4" Cobalt LEDs integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for Green Energy efficient lighting in commercial and residential applications.

## FEATURES

- 5 year limited warranty
- CREE® COB LED
- Dimmable
- cULus Listed, Energy Star & Title 24 compliant
- 1000lm utilizes only 16.6W
- Available in 2700K, 3000K and 4000K color temperature, 95 CRI
- GU24 Socket adapter available for use with GU24 base housings- Includes Medium-Base Socket kit

## CONSTRUCTION

**Trim:** Aluminum spun reflector (NLCBC-451) with deep set diffused lens for excellent visual comfort while providing high lumen output.

Aluminum spun baffle trim (NLCBC-452) with deep set diffused lens and deep grooves to reduce aperture glare while providing high lumen output.

**Lens:** Shatter proof diffused poly carbonate lens.

**Deep Trim:** The deep trim places the LED optics deeper than the standard increasing the visual comfort. Additionally the deep cones reduces board images when off.

## RETROFIT

Cobalt Series Downlights include NRA-211 Medium Base screw-in socket for retrofitting into existing Medium Base downlight housings.

## ELECTRICAL SYSTEM

**Voltage:** 120VAC

**Current:** 270mA

**Power Consumption:** 16.6 Watts

**Light Source:** Cree COB

**Lumens:** 1000 lm

**CRI:** 95 CRI

**LED Driver:** Built-in driver

**Operating Temperature:** 0°C to 75°C ambient temperature

**Life Expectancy:** 50,000 hours

## Dimmable

Nora LED Cobalt Series works with standard leading and trailing edge dimming technologies. Dimming with trailing-edge dimmers (electronic) are 5-100% and for leading-edge dimmers (incandescent) 10-100%. There may be some cases that require more than one lighting fixture to be used to meet minimum dimmer load. Consult with dimmer manufacturer. [Click Here](#) or refer to [www.NoraLighting.com](http://www.NoraLighting.com) for complete updated dimmer list in the "Compatibility" page under the "Resource" tab.

## LABELS & LISTINGS

cULus Listed  
Title 24 Compliant  
Energy Star Rated



**NRA-211** Medium Base screw-in socket  
Included with every Cobalt Series for retrofitting into existing Medium Base Downlight Housings



## 4" Cobalt 95CRI Retrofit/Premium Deep Recessed Downlight

Catalog No.	Color Temp.	Finish	Blank = 120V
<b>NLCBC-451</b> = Reflector	<b>27</b> = 2700K	<u>Retrofit Recessed</u>	<b>LE2</b> = 277V Non-Dimming <sup>1</sup>
<b>NLCBC-452</b> = Baffle	<b>30</b> = 3000K	<b>WW</b> = White	<b>LE4</b> = 120V Triac / 120V or 277V
<b>NLCBC-451D</b> = Deep Refl.	<b>40</b> = 4000K	<u>Premium Deep Recessed</u>	0-10V Dimming <sup>2</sup>
<b>NLCBC-452D</b> = Deep Baffle		<b>BZ</b> = Bronze	<b>EM</b> = Pre-Wired for EM use with
		<b>DW*</b> = Diffused Clear / White	EM housing <sup>3</sup>
		<b>HZW*</b> = Haze / White	<b>LE4EM</b> = 120V Triac / 120V or
		<b>WW</b> = White	277V 0-10V Dimming and EM <sup>4</sup>

\*Finish only available on Reflector Style

1 - Requires 277V Input supply

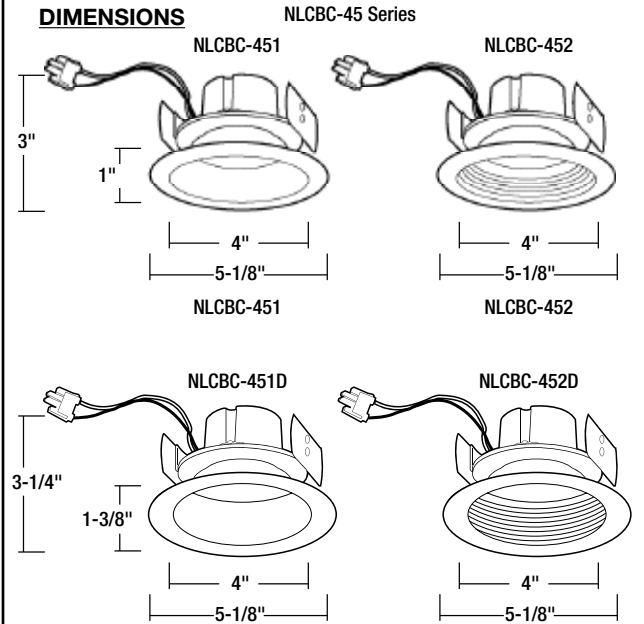
2 - Compatible with NHC-4LMRAT/4W & NHRIC-4LMRAT/4W housing

3 - Compatible with NHC-4LMRAT/EM housing

4 - Compatible with NHC-4LMRAT/6WEM

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

## DIMENSIONS



## FINISHES

Bronze (BZ) - Bronze Refl. or Baffle with Bronze Flange

Diffused Clear (DW) - Diffused Refl. with White Flange

Haze (HZW) - Haze Refl with White Flange

White (WW) - White Refl. or Baffle with White Flange

## COMPATIBLE DIMMERS

Manufacturer:	Model Number
Leviton	IPED4 6161 IP106-1LZ ZP260QEW DVCL153P
Lightolier	TGCL-153P
Lutron	S600P CT103P MAELV600 FAELV500

## COMPATIBLE HOUSINGS

<b>FireBox</b>	
<b>NFBIC-4LMRAT</b>	4" ICAT Dedicated LED 2-Hour Fire Rated
<b>New Construction</b>	
<b>NSIC-401QAT</b>	4" ICAT Line Voltage
<b>NS-401QAT</b>	4" AT Line Voltage
<b>NHIC-4G24AT</b>	4" ICAT GU24 (Specify NRA-212 adaptor separately)
<b>NHC-4LMRAT</b>	4" ICAT Dedicated LED
<b>NHC-4LMRAT/277</b>	4" ICAT Dedicated LED, 277V
<b>NHC-4LMRAT/4W</b>	4" IC Air Tight Dedicated Housing Pre-wired for 0-10V dimming Cobalt Series
<b>NHC-4LMRAT/EM</b>	4" IC Air Tight Dedicated Housing Pre-wired for Emergency Cobalt Series - Includes EM battery and remote test switch
<b>NHC-4LMRAT/6WEM</b>	4" IC Air Tight Dedicated Housing Pre-wired for Emergency and 0-10V dimming Cobalt Series - Includes EM battery and remote test switch
<b>Remodel</b>	
<b>NSR-404QAT</b>	4" AT Line Voltage
<b>NHRIC-4G24AT</b>	4" ICAT GU24 (Specify NRA-212 adaptor separately)
<b>NHRIC-4LMRAT</b>	4" ICAT Dedicated LED
<b>NHRIC-4LMRAT/4W</b>	4" IC Air Tight Remodel Housing Pre-wired for 0-10V dimming Cobalt Series

Create a complete item number: **Example: NLCBC-45127WW** 4" Cobalt with Smooth White Reflector and flange - 2700K.