NORA | NSPEC®
ILLUMINATING THE FUTURE...SINCE 1989

Type
Project
Catalog No.
Lamp/Wattage

NLCBC-45 COBALT Series - 4" 95 CRI 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 intergrate 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: 0ºC to 75ºC ambient temperature
Life Expectancy: 50,000 hours

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

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 manfacture. **Click Here** or refer to www.NoraLighting.com for complete updated dimmer list in the "Compatibility" page under the "Resource" tab.

DIMENSIONS

NLCBC-45 Series

NLCBC-451

NLCBC-452

NLCBC-451D

NLCBC-452D

LABELS & LISTINGS
cULus Listed
Title 24 Compliant
Energy Star Rated

90+ CRI   DIM   WET   TITLE 24 2013   cULus LISTED   CREE LEDs   5 YEAR Limited Warranty

COMPATIBLE HOUSINGS

FireBox

NFBIC-4LMRAT	4" ICAT Dedicated LED 2-Hour Fire Rated	

New Construction

NSIC-401QAT	4" ICAT Line Voltage
NS-401QAT	4" AT Line Voltage
NHIC-4G24AT	4" ICAT GU24 (Specify NRA-212 adaptor separately)
NHIC-4LMRAT	4" ICAT Dedicated LED
NHIC-4LMRAT/277	4" ICAT Dedicated LED, 277V
NHIC-4LMRAT/4W	4" IC Air Tight Dedicated Housing Pre-wired for 0-10V dimming Cobalt Series
NHIC-4LMRAT/EM	4" IC Air Tight Dedicated Housing Pre-wired for Emergency Cobalt Series - Includes EM battery and remote test switch
NHIC-4LMRAT/6WEM	4" IC Air Tight Dedicated Housing Pre-wired for Emergency and 0-10V dimming Cobalt Series - Includes EM battery and remote test switch

Remodel

NSR-404QAT	4" AT Line Voltage
NHRIC-4G24AT	4" ICAT GU24 (Specify NRA-212 adaptor separately)
NHRIC-4LMRAT	4" ICAT Dedicated LED
NHRIC-4LMRAT/4W	4" IC Air Tight Remodel Housing Pre-wired for 0-10V dimming Cobalt Series

4" Cobalt 95CRI Retrofit/Premium Deep Recessed Downlight

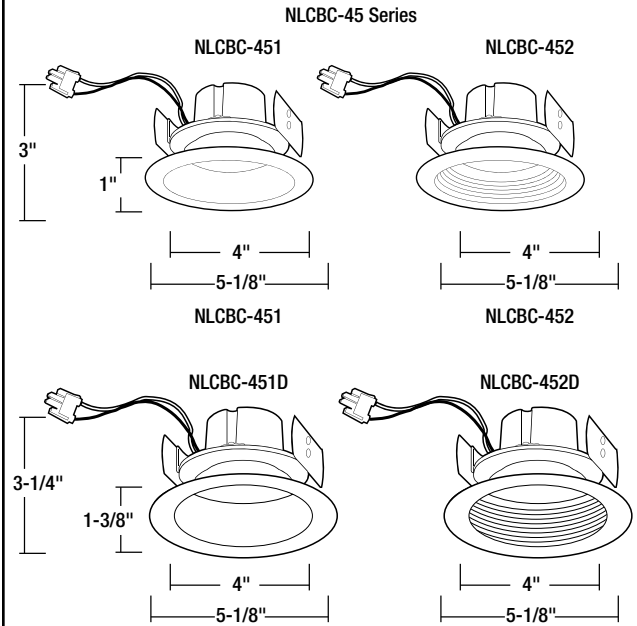| Catalog No.	Color Temp.	Finish	Option
NLCBC-451	**27** = 2700K	Retrofit Recessed	**EM** = Pre-Wired for EM use
NLCBC-452	**30** = 3000K	**WW** = White	with EM housing
NLCBC-451D	**40** = 4000K	Premium Deep Recessed	
NLCBC-452D		**BZ** = Bronze	
		DW* = Diffused Clear / White	
		HZW* = Haze / White	
		WW = White	
NLCBC-451	**30** = 3000K	**WW** = White	**LE4** = 120V Triac / 120V or 277V
	35 = 3500K	**DW***= Diffused Clear/White	0-10V Dimming [2]
		DD = Diffused Clear /Diffused	**LE4EM** = 120V Triac / 120V or 277V 0-10V Dimming and EM [4]

*Finish only available on Reflector Style

1 - Requires 277V Input supply

2 - Compatible with NHIC-6LMRAT/4W & NHRIC-6LMRAT/4W housing

3 - Compatible with NHIC-6LMRAT/EM housing

4 - Compatible with NHIC-6LMRAT/6WEM

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