

NLCBC-55 Series

5" Cobalt Retrofit Reflectors

Source: 13W LED
1000lm

PRODUCT DESCRIPTION

Cobalt retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 5" retrofit luminaires produces 1000 lumen output at 90+ CRI. The Cobalt series integrates a 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

- 1000lm LED output
- 2700K, 3000K or 4000K @ 90+ CRI
- CREE® COB LED
- Integral dimmable driver
- Includes medium base socket adapter for easy retrofitting in 5" recessed housings
- 5-year limited warranty
- ENERGY STAR certified
- cULus classified for wet locations

SPECIFICATION

Reflector: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. The deep reflector places the LED optics deeper, increasing the visual comfort and reduces board images when off.

Mounting: Two steel, spring mounting blades allow for easy and secure mounting in most 5" housings.

Retrofit: Cobalt retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

ELECTRICAL

Input Voltage: 120V

Lumens: 1000lm

Wattage: 13W

Color Temperature: 2700K, 3000K or 4000K

CRI: 90+CRI

Operating Temp.: 0°C to 45°C ambient temperature

Dimming: Available in Triac/ELV, must specify
Check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

COMPATIBLE HOUSINGS

Cobalt retrofit reflectors are compatible with most 5" IC and Non-IC housings by Nora and others.

Fire Box

NFBIC-5LMRAT* ICAT Dedicated LED
NFBIC-5INCAT ICAT Line Voltage

New Construction

NHIC-527LMRAT* Shallow ICAT Dedicated LED
NHIC-5LMRAT* ICAT Dedicated LED
NHIC-5LMRAT/EM* ICAT Dedicated LED for EM
NHIC-5LMRAT/277* ICAT Dedicated LED, 277V (includes step-down transformer)
NHIC-527QAT Shallow ICAT Line Voltage
NHIC-501QAT ICAT Line Voltage
NH-501Q Non-IC Line Voltage
NHIC-5G24ATFL ICAT GU24

Remodel

NHRIC-527LMRAT* Shallow ICAT Dedicated LED
NHRIC-5LMRAT* ICAT Dedicated LED
NHRIC-527QAT Shallow ICAT Line Voltage
NHRIC-504QAT ICAT Line Voltage
NHR-504Q Non-IC Line Voltage
NHRIC-5G24ATFL ICAT GU24

* Nora Dedicated LED housings are cULus listed for use only with Nora LED Retrofits.

ACCESSORIES

NLCBC-5EYELID: Round eyelid used to convert round reflector or baffle to half moon wall wash trim.
NLCBC-5OR: Round oversize ring used to cover ceiling cut-outs up to 7-1/8".

LABELS AND LISTINGS

- cULus classified for Wet Locations
- ENERGY STAR certified
- 5-Year Limited Warranty
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements



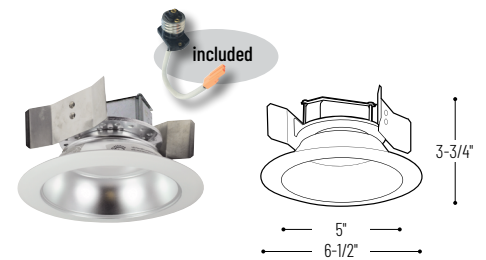
Type _____

Project _____

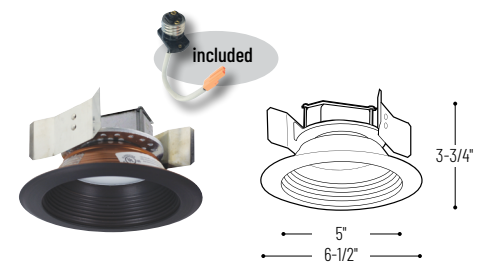
Catalog No. _____

Notes _____

PRODUCT IMAGES & DIMENSIONS



NLCBC-551
Round Reflector
BZ, DW, HZW, MPW, WW



NLCBC-552
Round Baffle
BZ, MPW, WW

5" Cobalt Retrofit Reflectors

Reflector Type	Color Temp.	Finish	Dimming & Emergency
NLCBC-551 = Round Reflector	27 = 2700K	BZ = Bronze / Bronze	(blank) = 120V Triac/ELV
NLCBC-552 = Round Baffle	30 = 3000K	DW = Diffused / White (551D only)	EM = Remote Emergency (requires Nora EM housing)
	40 = 4000K	HZW = Haze / White (551D only)	
		MPW = Matte Powder White	
		WW = White / White	

Optional Accessories

Description
NLCBC-5EYELIDB = 5" Round Eyelid, Black
NLCBC-5EYELIDBZ = 5" Round Eyelid, Bronze
NLCBC-5EYELIDMPW = 5" Round Eyelid, Matte Powder White
NLCBC-5EYELIDW = 5" Round Eyelid, White
NLCBC-5OR-B = 5" Round Oversize Ring, Black
NLCBC-5OR-BZ = 5" Round Oversize Ring, Bronze
NLCBC-5OR-MPW = 5" Round Oversize Ring, Matte Powder White
NLCBC-5OR-W = 5" Round Oversize Ring, White
NRA-211SM = Medium base screw-in socket (included)
NRA-212SM = Socket adapter for use with GU24 housings

Example: **NLCBC-55130MPW** = 5" Cobalt Retrofit Reflector, 1000lm / 13W LED, 3000K, Matte Powder White Finish

PHOTOMETRICS

5" Cobalt Retrofit Series

Type _____

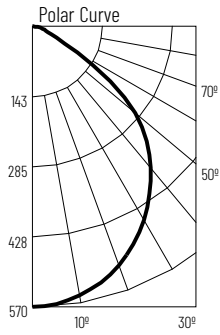
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Notes _____

Test Information

Test Number: 795870
 Part Number: NLCBC-55140WW
 Lumens: 1207lm
 Wattage: 16.3W
 Efficacy: 74lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 1.2
 Spacing Criteria (90°-270): 1.2



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	35.6fc	9'-2"
6'	15.8fc	13'-10"
8'	8.9fc	18'-5"
10'	5.7fc	23'
12'	4fc	27'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	430	35.6
0-40	690	57.2
0-60	1114	92.2
0-90	1207	100
90-180	0	0
0-180	1207	100

Candela Table

Vertical Angles	Candela
0	570
5	567
15	539
25	488
35	416
45	329