

# 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

**Lifetime:** 50,000 hours @ L70

**Dimming:** Available in Triac/ELV, must specify

[Click Here](#) or check complete dimmer list at

[www.NoraLighting.com](http://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".

### LABELS AND LISTINGS

- cULus classified for Wet Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2019



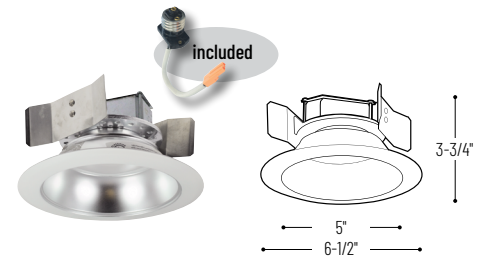
Type

Project

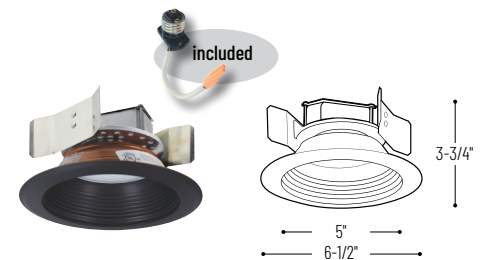
Catalog No.

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                                     |
|------------------------------------|-------------------|---|---|
| <b>NLCBC-551</b> = Round Reflector | <b>27</b> = 2700K | <b>BZ</b> = Bronze / Bronze             | <b>(blank)</b> = 120V Triac/ELV                         |
| <b>NLCBC-552</b> = Round Baffle    | <b>30</b> = 3000K | <b>DW</b> = Diffused / White (551 only) | <b>EM</b> = Remote Emergency (requires Nora EM housing) |
|                                    | <b>40</b> = 4000K | <b>HZW</b> = Haze / White (551 only)    |   |
|                                    |                   | <b>MPW</b> = Matte Powder White         |   |
|                                    |                   | <b>WW</b> = White / White               |   |

## Optional Accessories

| Description   |
|---|
| <b>NLCBC-5EYELIDB</b> = 5" Round Eyelid, Black                    |
| <b>NLCBC-5EYELIDBZ</b> = 5" Round Eyelid, Bronze                  |
| <b>NLCBC-5EYELIDMPW</b> = 5" Round Eyelid, Matte Powder White     |
| <b>NLCBC-5EYELIDW</b> = 5" Round Eyelid, White                    |
| <b>NLCBC-5OR-B</b> = 5" Round Oversize Ring, Black                |
| <b>NLCBC-5OR-BZ</b> = 5" Round Oversize Ring, Bronze              |
| <b>NLCBC-5OR-MPW</b> = 5" Round Oversize Ring, Matte Powder White |
| <b>NLCBC-5OR-W</b> = 5" Round Oversize Ring, White                |
| <b>NRA-211SM</b> = Medium base screw-in socket (included)         |
| <b>NRA-212SM</b> = 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 \_\_\_\_\_

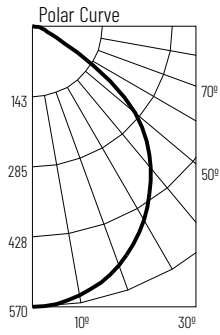
Project \_\_\_\_\_

Catalog No. \_\_\_\_\_

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     |