

# NLCB2-651

## 6" Cobalt Dedicated High Lumen Round Reflector

Source: 22W to 30W LED  
1500lm or 2000lm

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

6" Cobalt dedicated series is cULus listed for use in with Cobalt high lumens housings. 6" luminaires deliver over 2000 lumens in a various color temperatures. Cobalt High Lumen Series intergrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

### FEATURES

- 1500lm or 2000lm LED packages
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- Cree® COB LED Technology
- 5-year limited warranty
- ENERGY STAR certified
- cULus listed for wet locations

### SPECIFICATION

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

**Mounting:** Two torsion springs allow for easy and secure mounting in housing. Refer to housing for ceiling thickness.

### ELECTRICAL

#### Lumens / Wattage:

**15** = 1500lm / wattage varies by housing

**20** = 2000lm+ / wattage varies by housing

(Delivered lumens will vary depending on CCT and finish)

**Color Temperature:** 2700K, 3000K, 3500K or 4000K

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** 0°C to 25°C

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

**Dimming:** Refer to housing for dimming

### COMPATIBLE HOUSINGS

Trims are compatible with Cobalt High Lumen housings manufactured by Nora Lighting.

#### CATALOG NO. DESCRIPTION

<a href="#">NHICCB-615</a>	6" IC New Construction (1500lm)
<a href="#">NHICCB-620</a>	6" IC New Construction (2000lm)
<a href="#">NHCB-615</a>	6" Non-IC New Construction (1500lm)
<a href="#">NHCB-620</a>	6" Non-IC New Construction (2000lm)
<a href="#">NHRCB-615</a>	6" Non-IC Remodel (1500lm)
<a href="#">NHRCB-620</a>	6" Non-IC Remodel (2000lm)

### ACCESSORIES

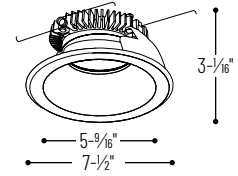
**NLCBC-60R:** Round oversize ring used to cover ceiling cut-outs up to 8-1/4".

### LABELS AND LISTINGS

- cULus Listed for Wet Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Patent #D797,977S; D871,644S; D824,568S
- Certified to the high efficacy requirements of California Title 24 JA8-2022 (IC housing only)



### PRODUCT IMAGES & DIMENSIONS



#### NLCBC2-651

6" Cobalt High Lumen Round Reflector



**BB**

Black Reflector  
Black Flange



**BW**

Black Reflector  
White Flange



**BZ**

Bronze Reflector  
Bronze Flange



**COCO**

Copper Reflector  
Copper Flange



**DW**

Diffused Clear Reflector  
White Flange



**HZW**

Haze Reflector  
White Flange



**MPW**

Matte Powder White Reflector  
Matte Powder White Flange



**NN**

Natural Metal Reflector  
Natural Metal Flange



**WW**

White Reflector  
White Flange

### 6" Cobalt Dedicated High Lumen Round Reflector - Dedicated Housing Required

Trim Type	Lumens	Color Temperature	Finish
<b>NLCB2-651</b> = Round Reflector	<b>15</b> = 1500lm	<b>27</b> = 2700K	<b>BB</b> = Black Reflector / Black Flange
		<b>30</b> = 3000K	<b>BW</b> = Black Reflector / White Flange
	<b>20</b> = 2000lm	<b>35</b> = 3500K	<b>BZBZ</b> = Bronze Reflector / Bronze Flange
		<b>40</b> = 4000K	<b>COCO</b> = Copper Reflector / Copper Flange
			<b>DW</b> = Diffused Clear Reflector / White Flange
			<b>HZW</b> = Haze Reflector / White Flange
			<b>MPW</b> = Matte Powder White Reflector / Matte Powder White Flange
			<b>NN</b> = Natural Metal Reflector / Natural Metal Flange
			<b>WW</b> = White Reflector / White Flange

### Optional Accessories

Description
<b>NLCBC-60R-B</b> = 6" Round Oversize Ring, Black
<b>NLCBC-60R-BZ</b> = 6" Round Oversize Ring, Bronze
<b>NLCBC-60R-MPW</b> = 6" Round Oversize Ring, Matte Powder White
<b>NLCBC-60R-W</b> = 6" Round Oversize Ring, White

Example: **NLCB2-6512035DW** = 6" Cobalt Dedicated High Lumen Round Reflector, 2000lm LED, 3500K, Diffused Clear Reflector / White Flange

# PHOTOMETRICS

## 6" Cobalt Dedicated High Lumen Round Reflector

Type \_\_\_\_\_

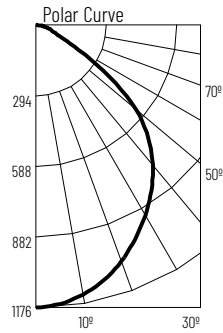
Project \_\_\_\_\_

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

Notes \_\_\_\_\_

### Test Information

Test Number: NTR1167  
 Part Number: NLCB2-6512040WW  
 Lumens: 2495lm  
 Wattage: 27.58W  
 Efficacy: 90lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.18  
 Spacing Criteria (90°-270°): 1.18



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	32.7fc	13'-5"
9'	14.5fc	20'-1"
12'	8.2fc	26'-11"
15'	5.2fc	33'-7"
18'	3.6fc	40'-4"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	875	35.1
0-40	1402	56.2
0-60	2252	90.3
0-90	2470	99
90-180	24	1
0-180	2495	100

### Candela Table

Vertical Angles	Candela
0	1176
5	1172
15	1102
25	984
35	844
45	668

### Lumen Output Multipliers

Color Temperature: 2700K (0.76), 3000K (0.91), 3500K (0.95), 4000K (1.00)