

NLCB2-651

6" Cobalt Dedicated High Lumen Round Reflector

Source: 22W to 30W LED

1500lm or 2000lm

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

[NHICCB-615](#) 6" IC New Construction (1500lm)

[NHICCB-620](#) 6" IC New Construction (2000lm)

[NHCB-615](#) 6" Non-IC New Construction (1500lm)

[NHCB-620](#) 6" Non-IC New Construction (2000lm)

[NHRCB-615](#) 6" Non-IC Remodel (1500lm)

[NHRCB-620](#) 6" Non-IC Remodel (2000lm)

ACCESSORIES

[NLCBC-60R](#): Round oversize ring used to cover ceiling cut-outs up to 8-1/4".

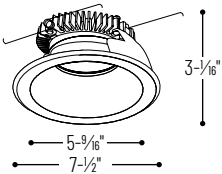
LABELS AND LISTINGS

- 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)
- FCC Compliant



Type
Project
Catalog No.
Notes

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
NLCB2-651 = Round Reflector	15 = 1500lm	27 = 2700K	BB = Black Reflector / Black Flange
	20 = 2000lm	30 = 3000K	BW = Black Reflector / White Flange
		35 = 3500K	BZBZ = Bronze Reflector / Bronze Flange
		40 = 4000K	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

Optional Accessories

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

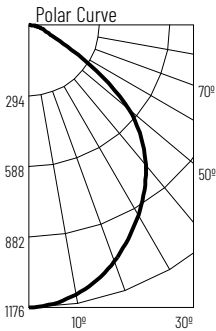
Type

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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)