

NLCB2-653

6" Cobalt Dedicated High Lumen Square Reflector with Round Aperture

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

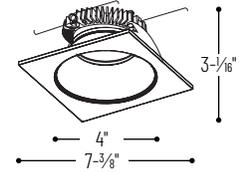
CATALOG NO.	DESCRIPTION
NHICCB-615	6" IC New Construction (1500lm)
NHICCB-620	6" IC New Construction (2000lm)
NHCB-615	6" Non-IC New Construction (1500lm)
NHCB-620	6" Non-IC New Construction (2000lm)
NHRCB-615	6" Non-IC Remodel (1500lm)
NHRCB-620	6" Non-IC Remodel (2000lm)

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 JA8-2019 (IC housing only)



PRODUCT IMAGES & DIMENSIONS



NLCBC2-653

6" Cobalt High Lumen Square Reflector with Round Aperture



BZ
Bronze Reflector
Bronze Flange



DW
Diffused Clear Reflector
White Flange



HZW
Haze Reflector
White Flange



MPW
Matte Powder White Reflector
Matte Powder White Flange



WW
White Reflector
White Flange

6" Cobalt Dedicated High Lumen Square Reflector with Round Aperture - Dedicated Housing Required

Trim Type	Lumens	Color Temperature	Finish
NLCB2-653 = Square Reflector with Round Aperture	15 = 1500lm	27 = 2700K	BZBZ = Bronze Reflector / Bronze Flange
	20 = 2000lm	30 = 3000K	DW = Diffused Clear Reflector / White Flange
		35 = 3500K	HZW = Haze Reflector / White Flange
		40 = 4000K	MPW = Matte Powder White Reflector / Matte Powder White Flange
			WW = White Reflector / White Flange

Example: **NLCB2-6532035DW** = 6" Cobalt Dedicated High Lumen Square Reflector with Round Aperture, 2000lm LED, 3500K, Diffused Clear Reflector / White Flange

PHOTOMETRICS

6" Cobalt Dedicated High Lumen Square Reflector with Round Aperture

Type _____

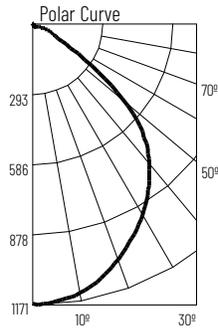
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Test Information

Test Number: NTR1145R1
 Part Number: NLCB2-6532040WW
 Lumens: 2466
 Wattage: 27.75W
 Efficacy: 89lpw
 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
6'	32.5fc	13'-2"
9'	14.5fc	19'-10"
12'	8.1fc	26'-5"
15'	5.2fc	33'
18'	3.6fc	39'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	877	35.6
0-40	1409	57.1
0-60	2225	90.2
0-90	2443	99.1
90-180	23	0.9
0-180	2466	100

Candela Table

Vertical Angles	Candela
0	1171
5	1164
15	1101
25	990
35	852
45	663

Lumen Output Multipliers

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