

NLCB2-653

6" Cobalt Dedicated High Lumen Square Reflector with Round Aperture
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 COB LED technology, giving bright spectacular light output and low power consumption.

FEATURES

- 1500lm or 2000lm LED packages
- 2700K, 3000K, 3500K, 4000K or Comfort Dim (Warm Dim) @ 90+ CRI
- 5-year limited warranty
- 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: Dedicated CCT (2700K, 3000K, 3500K or 4000K)

Color Rendering Index: 90+CRI

Operating Temperature: 0°C to 25°C

Lifetime: 50,000 hours @ L70

Comfort Dim: Comfort Dim color tunes the temperature from a bright 3000K, to a romantic and comfortable 2000K on a gradual, even curve.

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)

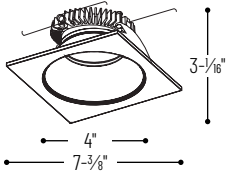
LABELS AND LISTINGS

- cULus Listed for Wet Locations
- [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



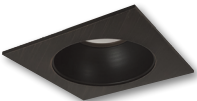
Type
Project
Catalog No.
Notes

PRODUCT IMAGES & DIMENSIONS



NLCB2-653

6" Cobalt High Lumen Square Reflector with Round Aperture



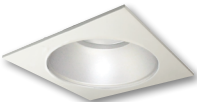
BZ

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

Lumens	Color Temperature	Finish
NLCB2-65315 = 1500lm	27 = 2700K	BZBZ = Bronze Reflector / Bronze Flange
NLCB2-65320 = 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
	CD = Comfort Dim	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

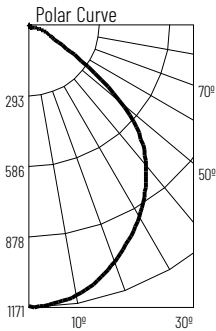
Type

Project

Catalog No.

Notes

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			Candela Table	
Zone	Lumens	% Luminaire	Vertical Angles	Candela
0-30	877	35.6	0	1171
0-40	1409	57.1	5	1164
0-60	2225	90.2	15	1101
0-90	2443	99.1	25	990
90-180	23	0.9	35	852
0-180	2466	100	45	663

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