

NLCB2-656

6" Cobalt Dedicated High Lumen Square Reflector with Square 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: Die-cast aluminum 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)

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

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

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

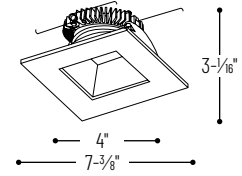
[NHRCB-620](#) 6" Non-IC Remodel (2000lm)

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



NLCB2-656

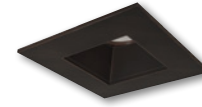
6" Cobalt High Lumen Square Reflector with Square Aperture



BB
Black Reflector
Black Flange



BW
Black Reflector
White Flange



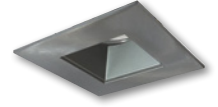
BZ
Bronze Reflector
Bronze Flange



HZW
Haze Reflector
White Flange



MPW
Matte Powder White Reflector
Matte Powder White Flange



NN
Natural Metal Reflector
Natural Metal Flange



PW
Pewter Reflector
White Flange



WW
White Reflector
White Flange

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

Trim Type	Lumens	Color Temperature	Finish
NLCB2-656 = Square Reflector with Square Aperture	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	HZW = Haze Reflector / White Flange
			MPW = Matte Powder White Reflector / Matte Powder White Flange
			NN = Natural Metal Reflector / Natural Metal Flange
			PW = Pewter Reflector / White Flange
			WW = White Reflector / White Flange

Example: **NLCB2-6562035DW** = 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 Square Aperture

Type _____

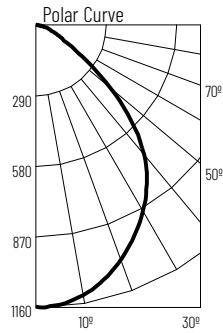
Project _____

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Notes _____

Test Information

Test Number: NTR1150R2
 Part Number: NLCB2-6562040WW
 Lumens: 2166lm
 Wattage: 27.63W
 Efficacy: 78lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 1.16
 Spacing Criteria (90°-270): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	32.2fc	11'-4"
9'	14.3fc	17'
12'	8.1fc	22'-8"
15'	5.2fc	28'-4"
18'	3.6fc	34'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	858	40.5
0-40	1352	63.8
0-60	1959	92.5
0-90	2119	100
90-180	0	0
0-180	2119	100

Candela Table

Vertical Angles	Candela
0	1160
5	1151
15	1087
25	963
35	795
45	529

Lumen Output Multipliers

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