

COBALT HIGH LUMEN

6" Reflectors produce up to 2500 lumens!

Cobalt High Lumens Series features Dedicated New Construction and Remodel Housings rated for IC Air-Tight or Non-IC applications. Cobalt High Lumen reflectors produce up to 2500 lumens in 2700K, 3000K, 3500K or 4000K @ 90+ CRI. 6" Reflectors are wet location rated, ENERGY STAR certified and can be used to comply with Title 24 when used with ICAT housing. The Cobalt series intergrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for Green Energy efficient lighting in commercial and residential applications.

FEATURES

- Up to 2500lm delivered lumens with Cree® COB LED technology
- IC Air-Tight and Non-IC Housings options
- Triac, ELV or 0-10V dimming
- Reflector, Baffle and Square Aperture styles
- 2700K, 3000K, 3500K and 4000K @ 90+ CRI
- 5-year limited warranty
- cULus Listed for Wet Locations
- ENERGY STAR certified
- Certified to the high efficacy requirements of California Title 24 JA8-2019 when used with IC housing



6" COBALT HIGH LUMEN DEDICATED REFLECTORS

REFLECTOR TYPE	LUMENS	CCT	FINISH (not available w/all types)
NLCB2-651 Round Reflector	15 1500lm	27 2700K	BB Black / Black
NLCB2-652 Round Baffle	20 2000lm	30 3000K	BW Black / White
NLCB2-653 Square w/Round		35 3500K	BZBZ Bronze / Bronze
NLCB2-656 Square w/Square		40 4000K	COCO Copper / Copper
			DW Diffused / White
			HZW Haze / White
			MPW Matte Powder White
			NN Natural Metal / Natural Metal
			PW Pewter / White
			WW White / White

Ex: **NLCB2-651H530BZBZ** - 6" Cobalt HL Round Reflector, 1500lm, 3000K, Bronze / Bronze

6" COBALT HIGH LUMEN DEDICATED HOUSINGS (REQUIRED)

HOUSING TYPE	LM / W	VOLTAGE	OPTIONAL EMERGENCY
NHICCB-6 ICAT New Const.	15 1500lm / 22W 20 2000lm / 28W	LE4 120/277V; Triac/ELV/0-10V	/PEM Pre-Wired for EM
NHCB-6 Non-IC New Const.	15 1500lm / 22W 20 2000lm / 30W	LE6 120-277V; 0-10V	/EM EM with Remote Test Switch
NHRCB-6 Non-IC Remodel	15 1500lm / 22W 20 2000lm / 30W	LE1 120V; 0-10V LE2 277V; 0-10V	

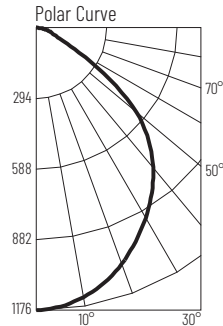
Ex: **NHICCB-615LE4** - 6" IC Air-Tight New Construction, 1500lm / 22W, 120V/277V; Triac/ELV/0-10V



Cobalt High Lumen Series - Photometrics

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

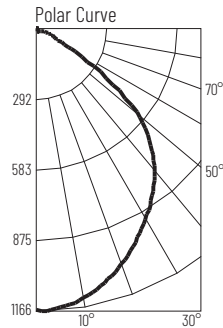
Zone	Lumens	% Luminaire
0-30	875	35.1
0-40	1402	56.2
0-60	2252	90.3
0-90	2470	99
90-180	24	1
0-180	2495	100

Candela Table

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

Test Information

Test Number: NTR1146R1
 Part Number: NLCB2-6522040WW
 Lumens: 2476lm
 Wattage: 27.74W
 Efficacy: 89lpw
 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'	32.4fc	13'-5"
9'	14.4fc	20'-1"
12'	8.1fc	26'-10"
15'	5.2fc	33'-6"
18'	3.6fc	40'-2"

Zonal Lumen Summary

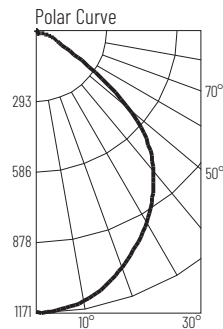
Zone	Lumens	% Luminaire
0-30	1398	35.2
0-40	1398	56.5
0-60	2236	90.3
0-90	2451	99
90-180	25	1
0-180	2476	100

Candela Table

Vertical Angles	Candela
0	1166
5	1165
15	1095
25	981
35	845
45	662

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

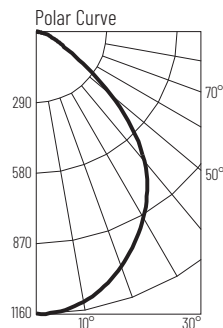
Zone	Lumens	% Luminaire
0-30	877	35.6
0-40	1409	57.1
0-60	2225	90.2
0-90	2443	99.1
90-180	23	0.9
0-180	2466	100

Candela Table

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

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)