

NLCBC2-55 Series

5" Cobalt Click Retrofit Reflectors

Source: 12W LED
750lm

PRODUCT DESCRIPTION

Cobalt retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 5" retrofit click luminaires provide 750 Lumen output at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

FEATURES

- 750lm / 12W LED output
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- CREE® COB LED or Comfort Dim technology
- Integral dimmable driver
- Includes medium base socket adapter for easy retrofitting in 5" recessed housings
- 5-year limited warranty
- ENERGY STAR certified
- cULus classified for wet locations

SPECIFICATION

Trim: UTM thermal management features an integral driver, large heat sink and the latest Cree COB technology. The patented "Click" system allows the aluminum spun trims to be easily changed in the field with the help of spring mounting clips which properly secure them to the LED module.

Mounting: Two steel, spring mounting blades allow for easy and secure mounting in most 5" housings.

Retrofit: Cobalt retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

ELECTRICAL

Input Voltage: 120V or 120V-277V, must specify

Lumens / Wattage: 750lm / 12W

Color Temperature: 2700K, 3000K, 3500K or 4000K

CRI: 90+CRI

Operating Temp.: 0°C to 45°C ambient temperature

Comfort Dim: Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 1700K on a gradual, even curve.

Dimming: Available in Triac/ELV0-10V, must specify

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](#) in the "Compatibility" page under "Resources" tab

COMPATIBLE HOUSINGS

Cobalt retrofit reflectors are compatible with most 5" IC and Non-IC housings by Nora and others.

Fire Box

NFBIC-5LMRATA* ICAT Dedicated LED
NFBIC-5INCATA ICAT Line Voltage

New Construction

NHIC-527LMRAT* Shallow ICAT Dedicated LED
NHIC-5LMRAT* ICAT Dedicated LED
NHIC-5LMRAT/EM* ICAT Dedicated LED for EM
NHIC-5LMRAT/277* ICAT Dedicated LED, 277V (includes step-down transformer)

NHIC-527QAT Shallow ICAT Line Voltage
NHIC-501QAT ICAT Line Voltage

NH-5010 Non-IC Line Voltage
NHIC-5G24ATFL ICAT GU24

Remodel

NHRIC-527LMRAT* Shallow ICAT Dedicated LED
NHRIC-5LMRAT* ICAT Dedicated LED
NHRIC-527QAT Shallow ICAT Line Voltage
NHRIC-504QAT ICAT Line Voltage

NHR-5040 Non-IC Line Voltage
NHRIC-5G24ATFL ICAT GU24

* Nora Dedicated LED housings are cULus listed for use only with Nora LED Retrofits.

ACCESSORIES

NLCBC-5EYELID: Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

NLCBC-50R: Round oversize ring used to cover ceiling cut-outs up to 7-1/8".

NLCBC-5DR: Frosted round decorative ring ships with white reflector.

LABELS AND LISTINGS

- cULus classified for Wet Locations
- ENERGY STAR certified (WW finish only)
- [5-Year Limited Warranty](#)
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements



Type

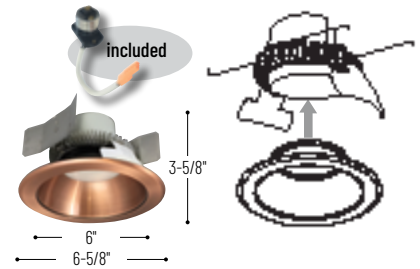
Project

Catalog No.

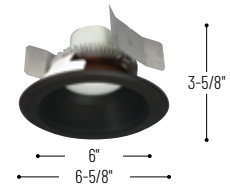
Notes

PRODUCT IMAGES & DIMENSIONS

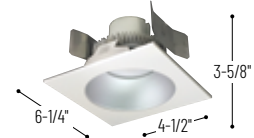
PATENT
No. D797977



NLCBC2-551
Round Reflector
BB, BW, BZBZ, COCO, DW, HZW, MPW, NN, WW



NLCBC2-552
Round Baffle
BB, BW, BZBZ, MPW, NN, WW



NLCBC2-553
Square Reflector with Round Aperture
BZBZ, DW, HZW, MPW, WW



NLCBC2-556
Square Reflector with Square Aperture
BB, BW, BZBZ, HZW, MPW, NN, PW, WW

5" Cobalt Click Retrofit Reflectors

Reflector Type	Color Temp.	Finish (see chart below)	Dimming & Emergency
NLCBC2-551 = Round Reflector	27 = 2700K	BB = Black / Black	(blank) = 120V Triac/ELV
NLCBC2-552 = Round Baffle	30 = 3000K	BW = Black / White	EM = Remote Emergency (requires Nora EM housing)
NLCBC2-553 = Square Round	35 = 3500K	BZBZ = Bronze / Bronze	LE2 = 277V Non-Dimming (available in 2700K & 3000K)
NLCBC2-556 = Square Regress	40 = 4000K	COCO = Copper / Copper	LE4 = 120V 0-10V/Triac/ELV 277V 0-10V (req. Nora 4W housing)
	CD = Comfort Dim [†]	DW = Diffused / White	LE4EM = LE4 w/ Remote Emergency (requires Nora 6WEM housing)
	[†] Comfort Dim technology is available in 120V only	HZW = Haze / White	
		MPW = Matte Powder White	
		NN = Natural Metal / Nat. Metal	
		PW = Pewter / White	
		WW = White / White	

Available Finishes

	BB	BW	BZBZ	COCO	DW	HZW	MPW	NN	PW	WW
551	*	*	*	*	*	*	*	*	*	*
552	*	*	*	*	*	*	*	*	*	*
553	*	*	*	*	*	*	*	*	*	*
556	*	*	*	*	*	*	*	*	*	*

Optional Accessories

Description
NLCBC-5EYELIDB = 5" Round Eyelid, Black
NLCBC-5EYELIDBZ = 5" Round Eyelid, Bronze
NLCBC-5EYELIDPW = 5" Round Eyelid, Matte Powder White
NLCBC-5EYELIDW = 5" Round Eyelid, White
NLCBC-50R-B = 5" Round Oversize Ring, Black
NLCBC-50R-BZ = 5" Round Oversize Ring, Bronze
NLCBC-50R-MPW = 5" Round Oversize Ring, Matte Powder White
NLCBC-50R-W = 5" Round Oversize Ring, White
NLCBC2-5DRFA = 5" Round Deco Ring, Frosted Amber
NLCBC2-5DRFB = 5" Round Deco Ring, Frosted Blue
NLCBC2-5DRFR = 5" Round Deco Ring, Frosted Red
NLCBC2-5DRFW = 5" Round Deco Ring, Frosted White
NRA-211SM = Medium base screw-in socket (included)
NRA-212SM = Socket adapter for use with GU24 housings

Example: **NLCBC2-55130MPW** = 5" Cobalt Click Retrofit Reflector, 750lm / 12W LED, 3000K, Matte Powder White Finish

NLCBC2-55 Series

5" Cobalt Click Retrofit Reflector Accessories

Type	_____
Project	_____
Catalog No.	_____
Notes	_____



Colbalt Eyelid

NLCBC-5EYELID-B Black
NLCBC-5EYELID-BZ Bronze
NLCBC-5EYELID-MPW Matte Powder White
NLCBC-5EYELID-W White
Round eyelid clips on reflector to convert into half moon wall wash



Colbalt Oversize Ring

NLCBC-5OR-B Black
NLCBC-5OR-BZ Bronze
NLCBC-5OR-MPW Matte Powder White
NLCBC-5OR-W White
Round oversize ring covers large ceiling cut-outs



Colbalt Click Deco Ring

NLCBC2-5DRFA Frosted Amber
NLCBC2-5DRFB Frosted Blue
NLCBC2-5DRFR Frosted Red
NLCBC2-5DRFW Frosted White
Decorative ring ships with white reflector

PHOTOMETRICS

5" Cobalt Click Retrofit Series

Type

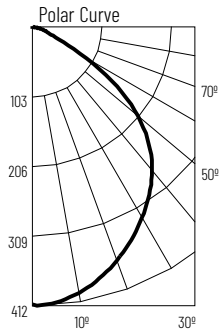
Project

Catalog No.

Notes

Test Information

Test Number: 795866
 Part Number: NLCBC2-55130WWLE4
 Lumens: 892lm
 Wattage: 12.1W
 Efficacy: 74lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 1.18
 Spacing Criteria (90°-270): 1.2



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	25.7fc	9'-6"
6'	11.4fc	14'-2"
8'	6.4fc	18'-11"
10'	4.1fc	23'-8"
12'	2.9fc	28'-5"

Zonal Lumen Summary

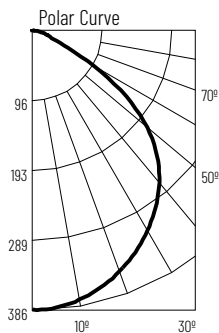
Zone	Lumens	% Luminaire
0-30	306	34.3
0-40	495	55.5
0-60	817	91.6
0-90	889	99.7
90-180	3	0.3
0-180	892	100

Candela Table

Vertical Angles	Candela
0	411
5	407
15	383
25	345
35	301
45	244

Test Information

Test Number: 795866
 Part Number: NLCBC2-55230WWLE4
 Lumens: 888lm
 Wattage: 12.1W
 Efficacy: 74lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 1.24
 Spacing Criteria (90°-270): 1.24



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24fc	10'-1"
6'	10.7fc	15'-1"
8'	6fc	20'-1"
10'	3.9fc	25'-2"
12'	2.7fc	30'-2"

Zonal Lumen Summary

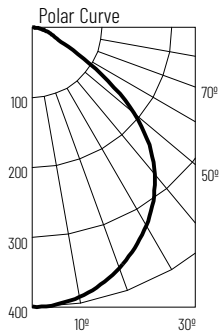
Zone	Lumens	% Luminaire
0-30	294	33.1
0-40	480	54
0-60	806	90.7
0-90	885	99.7
90-180	3	0.3
0-180	888	100

Candela Table

Vertical Angles	Candela
0	385
5	381
15	365
25	335
35	296
45	243

Test Information

Test Number: 795866
 Part Number: NLCBC2-55330WWLE4
 Lumens: 870lm
 Wattage: 12.1W
 Efficacy: 72lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 1.22
 Spacing Criteria (90°-270): 1.24



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24.9fc	9'-2"
6'	11.1fc	13'-10"
8'	6.2fc	18'-5"
10'	4fc	23'
12'	2.8fc	27'-8"

Zonal Lumen Summary

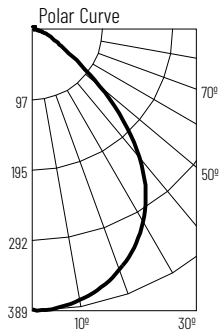
Zone	Lumens	% Luminaire
0-30	304	35
0-40	492	56.6
0-60	792	91.1
0-90	867	99.8
90-180	2	0.2
0-180	870	100

Candela Table

Vertical Angles	Candela
0	398
5	395
15	378
25	345
35	301
45	236

Test Information

Test Number: 795866
 Part Number: NLCBC2-55630WWLE4
 Lumens: 777lm
 Wattage: 12.1W
 Efficacy: 64lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 1.18
 Spacing Criteria (90°-270): 1.2



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24.2fc	7'-8"
6'	10.8fc	11'-6"
8'	6.1fc	15'-4"
10'	3.9fc	19'-2"
12'	2.7fc	23'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	293	37.7
0-40	466	59.9
0-60	697	89.8
0-90	755	97.2
90-180	22	2.8
0-180	777	100

Candela Table

Vertical Angles	Candela
0	388
5	384
15	367
25	332
35	273
45	180