

NLCBC-569 Series

5" Cobalt Retrofit Adjustable Reflectors

Source: 14W LED
1000lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

Cobalt retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The adjustable design rotates and adjusts while never exposing an opening or breaking the ceiling plane. The luminaires produce over 1000 lumens, drawing 14W at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

FEATURES

- Retrofit existing 5" recessed housings
- Field adjustable beam spreads (flood installed, spot and narrow flood included)
- Over 1000 lumen output
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- Cree® COB LED Technology
- Integral dimmable driver
- Includes medium base socket adapter
- ENERGY STAR certified

SPECIFICATION

Trim: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. Adjustable design rotates and adjusts while never exposing an opening or breaking the ceiling plane. Reflector places the LED optics deeper than the standard increasing the visual comfort. Additionally the deep cones reduces board images when off.

Adjustability: 358° rotate and 30° tilt

Optics: Spot (included), Medium (included) and Flood optic (installed)

Lens: Frosted Lens (installed) and Semi-Frosted Lens (included)

ELECTRICAL

Input Voltage: 120V

Lumens / Wattage: 1000lm / 14W

(Delivered lumens will vary depending on CCT, beam spread and finish)

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

CRI: 90+CRI

Operating Temp.: 0°C to 25°C ambient temperature

Dimming: Triac/ELV

[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 4" IC and Non-IC housings by Nora and others.

Fire Box

NFBIC-5LMRAT* ICAT Dedicated LED
NFBIC-5INCAT 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-501Q 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-504Q Non-IC Line Voltage
NHRIC-5G24ATFL ICAT GU24

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

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.

ACCESSORIES

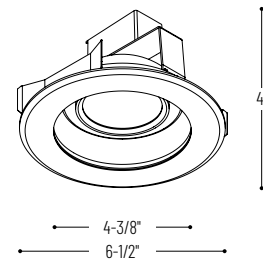
NLCBC-569TIR: Premium TIR optics are available in 15° or 45°, must specify ring finish.

LABELS AND LISTINGS

- cULus classified for Damp Location when used with compatible frame-in
- Suitable for Type IC and Non-IC
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- RoHs Compliant
- [5-Year Limited Warranty](#)



PRODUCT IMAGES & DIMENSIONS



5" Cobalt Retrofit Adjustable Reflector

Reflector Type	Color Temp.	Finish	Dimming & Emergency
NLCBC-569 = Round Adjustable	27X = 2700K	BB = Black / Black	(blank) = 120V Triac/ELV EM = Remote Emergency (requires Nora EM housing)
	30X = 3000K	BZBZ = Bronze / Bronze	
	35X = 3500K	HZN = Haze / Natural Metal	
	40X = 4000K	HZW = Haze / White	
		MPW = Matte Powder White	
		WW = White / White	

Optional Accessories

Description	Optic	Ring Finish
NLCBC-569TIR = TIR optic	15 = 15°	B = Black
	45 = 45°	BZ = Bronze
		HZ = Haze
		MPW = Matte Powder White
		WW = White / White
NRA-211SM = Medium base screw-in socket (included)		
NRA-212SM = Socket adapter for use with GU24 housings		

Example: **NLCBC-56927XWW** = 5" Cobalt Retrofit Adjustable Reflector, 1000lm / 14W, 2700K, White Finish

PHOTOMETRICS

5" Cobalt Retrofit Adjustable Reflector Series

Type

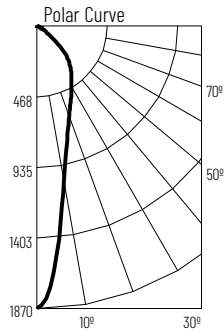
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Test Information

Test Number: NTR11163
 Part Number: NLCBC-56940SWW
 Beam Spread: Spot
 Lumens: 1236lm
 Wattage: 13.2W
 Efficacy: 93lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 0.4
 Spacing Criteria (90°-270): 0.38



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	117fc	1'-8"
6'	52fc	2'-6"
8'	29.2fc	3'-4"
10'	18.7fc	4'-1"
12'	13fc	5'

Zonal Lumen Summary

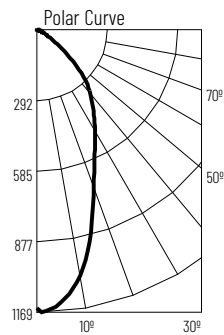
Zone	Lumens	% Luminaire
0-30	597	48.3
0-40	849	68.7
0-60	1157	93.6
0-90	1224	99
90-180	12	1
0-180	1236	100

Candela Table

Vertical Angles	Candela
0	1870
5	1528
15	779
25	536
35	403
45	280

Test Information

Test Number: NTR11162
 Part Number: NLCBC-56940MWW
 Beam Spread: Narrow Flood
 Lumens: 1254lm
 Wattage: 13.1W
 Efficacy: 96lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 0.74
 Spacing Criteria (90°-270): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	72fc	3'-8"
6'	32fc	5'-7"
8'	18fc	7'-5"
10'	11.5fc	9'-4"
12'	8fc	11'-1"

Zonal Lumen Summary

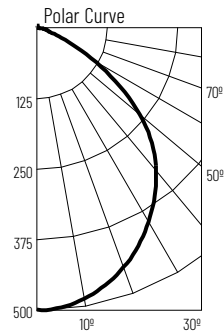
Zone	Lumens	% Luminaire
0-30	612	48.8
0-40	871	69.4
0-60	1180	94.1
0-90	1242	99
90-180	12	1
0-180	1254	100

Candela Table

Vertical Angles	Candela
0	1152
5	1126
15	864
25	574
35	414
45	279

Test Information

Test Number: NTR11161
 Part Number: NLCBC-56940FWW
 Beam Spread: Flood
 Lumens: 1107lm
 Wattage: 13.2W
 Efficacy: 84lpw
 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
4'	31.2fc	9'-2"
6'	13.8fc	13'-11"
8'	7.8fc	18'-6"
10'	5fc	23'-1"
12'	3.5fc	27'-8"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	376	34
0-40	604	54.5
0-60	988	89.3
0-90	1095	98.9
90-180	12	1.1
0-180	1107	100

Candela Table

Vertical Angles	Candela
0	499
5	497
15	473
25	426
35	364
45	290