

NC3-69

6" Sapphire III Adjustable Reflector

Source: 11W to 46W

900lm to 4500lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

Adjustable Sapphire III COB Series is a commercial grade LED high lumen downlight. The Sapphire III utilizes Signify® Fortimo COB LED technology for better optic control with three specified beam spreads. Beam spreads focus the light down to the work plane from high ceiling applications. The reflectors have been designed for the high efficiency (LPW) while providing low aperture brightness. The Sapphire III COB Series is proudly assembled in the USA.

FEATURES

- Adjustable mechanism tilts up to 35° vertically and 359° horizontal rotation
- Locking vertical aiming
- Adjustable from below the ceiling
- Signify® Fortimo COB LED technology
- Shatter resistant lens
- Specifiable beam spreads
- 900lm, 1500lm, 2500lm, 3500lm or 4500lm LED packages
- 2700K, 3000K, 3500K and 4000K @ 90+ CRI
- 5-year limited warranty
- ENERGY STAR certified

SPECIFICATION

Reflector: Bias cut reflector spun from 0.050 high grade aluminum allows LED light engine to illuminate along axis.

Reflector Assembly: The reflector assembly includes the LED optical package and heat sink mounted on top. Reflector assembly easily wires to dedicated housing with lockable quick connect. Reflector assembly has graduation marks and locking screw.

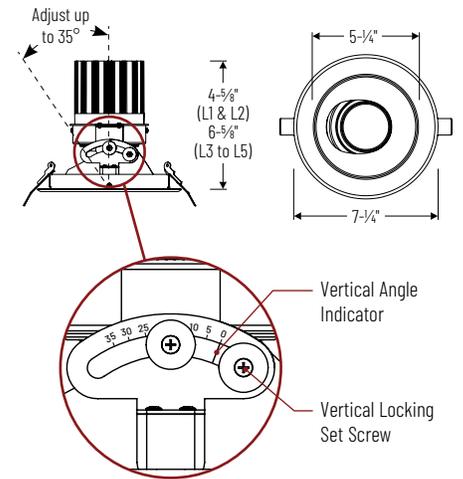
ELECTRICAL	L1	L2	L3	L4	L5
Delivered Lumens	900lm	1500lm	2500lm	3500lm	4500lm
Wattage	11W max.	16W max.	24W max.	38W max.	46W max.
Color Temperature	2700K, 3000K, 3500K or 4000K				
Color Rendering Index	90+ CRI				
Beam Spread	36° Spot, 56° Narrow Flood or 76° Flood				
Compatible Housing	NCHAIC3-6L1	NCHAIC3-6L2	NCHAIC3-6L3	NCHA3-6L4	NCHA3-6L5
Lifetime	50,000 hours @ L70				

LABELS AND LISTINGS

- cULus Listed for Damp Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- FCC compliant



PRODUCT IMAGE & DIMENSIONS



6" Sapphire III Adjustable Reflector - Dedicated Housing Required

Lumens / Wattage	CCT	Beam Spread	Reflector / Flange Finish
NC3-69L1 = 900lm / 11W	27 = 2700K	S = 37° Spot	BB = Black Reflector / Black Flange
NC3-69L2 = 1500lm / 16W	30 = 3000K	N = 52° Narrow Flood	HZ = Haze Reflector / Haze Flange
NC3-69L3 = 2500lm / 24W	35 = 3500K	F = 63° Flood	HZMPW = Haze Reflector / Matte Powder White White Flange
NC3-69L4 = 3500lm / 38W	40 = 4000K		MPW = Matte Powder White Reflector / Matte Powder White Flange
NC3-69L5 = 4500lm / 46W			

Example: **NC3-69L530MPW** = 6" Adjustable Sapphire III Reflector, 4500lm / 46W, 3000K, 37° Spot Beam Spread, Matte Powder White Reflector / Matte Powder White Flange

PHOTOMETRICS

6" Sapphire III Adjustable Reflector
4500lm / 46W

Type

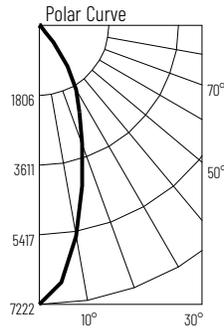
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Notes

Test Information

Test Number: NTR2389R1
Part Number: NC3-69L540SMPW
Beam Spread: 36° Spot
Lumens: 4425lm
Wattage: 43.43W
Efficacy: 102lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.58
Spacing Criteria (90°-270°): 0.6



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	113fc	5'-4"
12'	50.2fc	7'-11"
16'	28.2fc	10'-7"
20'	18.1fc	13'-2"
24'	12.5fc	15'-10"

Zonal Lumen Summary

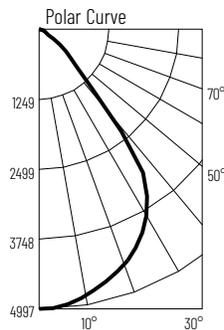
Zone	Lumens	% Luminaire
0-30	2975	67.2
0-40	3845	86.9
0-60	4278	96.7
0-90	4425	100
90-180	0	0
0-180	4425	100

Candela Table

Vertical Angles	Candela
0	7222
5	6674
15	4295
25	2476
35	1285
45	213

Test Information

Test Number: NTR2390R1
Part Number: NC3-69L540NMPW
Beam Spread: 56° Narrow Flood
Lumens: 4536lm
Wattage: 43.27W
Efficacy: 105lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.88
Spacing Criteria (90°-270°): 0.92



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	78.1fc	8'-6"
12'	34.7fc	12'-10"
16'	19.5fc	17'-1"
20'	12.5fc	21'-4"
24'	8.7fc	25'-7"

Zonal Lumen Summary

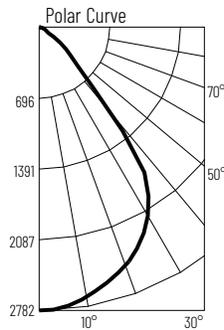
Zone	Lumens	% Luminaire
0-30	2616	57.7
0-40	3651	80.5
0-60	4381	96.6
0-90	4536	100
90-180	0	0
0-180	4536	100

Candela Table

Vertical Angles	Candela
0	4997
5	4953
15	4358
25	3042
35	1532
45	229

Test Information

Test Number: NTR2391R1
Part Number: NC3-69L540FMPW
Beam Spread: 76° Flood
Lumens: 4054lm
Wattage: 43.22W
Efficacy: 94lpw
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
8'	43.5fc	12'-8"
12'	19.3fc	19'
16'	10.9fc	25'-4"
20'	7fc	31'-7"
24'	4.8fc	38'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2046	50.5
0-40	3029	74.7
0-60	3818	94.2
0-90	4054	100
90-180	0	0
0-180	4054	100

Candela Table

Vertical Angles	Candela
0	2782
5	2761
15	2598
25	2342
35	1837
45	529

Lumen Output Multipliers

Lumen Package: L1 (0.23), L2 (0.31), L3 (0.58), L4 (0.84), L5 (1.00)
Color Temperature: 2700K (0.5), 3000K (0.91), 3500K (0.97), 4000K (1.00)