

NYLS3-6

6" Sapphire III Cylinder

Source: 11W to 58W

900lm to 5500lm

PRODUCT DESCRIPTION

The architectural grade cylinders are a perfect solution for lobbies, corridors, offices and conference rooms. The Sapphire III utilizes Signify® Fortimo COB LED technology for better optic control with three specified beam spreads.

CONSTRUCTION

Cylinder Cap: High quality 0.040" steel cap with universal slots to allow for direct mounting to junction box for surface mount. Incorporates all thread in the center for the installation of a cable or pendant rod kit for the corresponding mounting method. Cylinder cap secures to the body via three screws on the bottom (adjustable with flathead screwdriver).

Cylinder Body: 0.040" aluminum cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodated for spring-less trims.

INSTALLATION

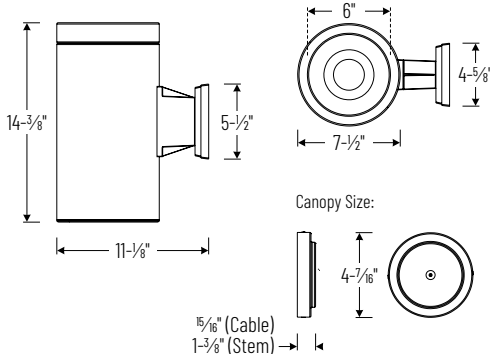
Cable Mount: 8' or 20' Field cuttable aircraft cable and offset cable (5-wire) for power and dimming.

Stem Mount: Cylinder includes a swivel canopy and 7' (consisting of (3) 12" and (2) 24") of internally threaded rod. Swivel canopy is compatible with sloped ceilings with a ceiling pitch from 1/12 to 10/12.

Surface & Wall Mount: Cylinder is supplied with hardware to mount directly over junction box.

Junction Box: Luminaire is suitable for Type IC and fits over a standard 3" octagonal, 4" octagonal, and round junction box (not included). Suitable for fire-rated applications when used with NFJB-R4S. Please check with local authorities to ensure requirements are met. Refer to the installation sheet for compatibility.

PRODUCT DIMENSIONS



EMERGENCY

6W Emergency (EMI2): Compact emergency driver is mounted inside cylinder body. Rated for 120-277V input, 50/60Hz, 90-minute illumination time with 6W output in emergency mode. Battery requires 24 hours to recharge and consumes 3W when charging. Integrated 6" test switch pre-installed on the trim for EMI2.

Remote 7W Emergency (PEM): Cylinder can be specified with connections for emergency battery installation. Must specify battery separately (NEPK-07LEDUNV). Not compatible with stem mount option. Emergency driver is mounted remotely. Rated for 120-277V input, 50/60Hz, 90-minute illumination time with 7W output in emergency mode. Battery requires 24 hours to recharge and consumes 2W when charging. Remote test switch and 3" cable included.

LISTINGS AND WARRANTY

- Assembled in USA with domestic and foreign components
- cULus Listed for Indoor Damp Locations (Wall Mount is Indoor Wet Location)
- 5-Year Limited Warranty
- ENERGY STAR certified (Black and Specular Clear finish are not certified)
- FCC Compliant



Type	
Project	
Catalog No.	
Notes	

PRODUCT IMAGES



ELECTRICAL	L1	L2	L3	L4	L5	L6
Input Voltage	120VAC or 120-277VAC					
Input Power	11W max.	16W max.	24W max.	36W max.	44W max.	58W max.
Compatible Trim	NYLS3-6x1L1 NYLS3-6x6L1 NYLS3-6x8L1	NYLS3-6x1L2 NYLS3-6x6L2 NYLS3-6x8L2	NYLS3-6x1L3 NYLS3-6x6L3 NYLS3-6x8L3	NYLS3-6x1L4 NYLS3-6x6L4 NYLS3-6x8L4	NYLS3-6x1L5 NYLS3-6x6L5 NYLS3-6x8L5	NYLS3-6x1L6
Delivered Lumens	900lm	1500lm	2500lm	3500lm	4500lm	5500lm
Color Temperature	2700K, 3000K, 3500K or 4000K					
Color Rendering Index	90+ CRI					
Beam Spread	38° Spot, 56° Narrow Flood or 72° Flood					
Dimming	Triac/ELV or 0-10V					
Operating Temperature	0°C to 45°C		0°C to 35°C		0°C to 25°C	
Lifetime	50,000 hours @ L70					

6" Specifiable Beam Spread Sapphire III Cylinder

Mounting Type	Trim Type	Lumens	CCT	Optic	Input Voltage / Dimming	Reflector / Flange Finish	Cylinder Finish	Cable Length	Optional Emergency
NYLS3-6C = Cable	1 = Reflector	L1 = 900lm	27 = 2700K	S = SP	P01 = 120V Triac/ELV	BB = Specular Black / Specular Black	B = Black	/AC = 8'	/PEM = Pre-Wired for Remote Emergency ²
NYLS3-6P = Stem	6 = Wall Wash ¹	L2 = 1500lm	30 = 3000K	N = NFL	C12 = 120-277V 0-10V	BW = Specular Black / White	W = White	/AC20 = 20'	/EMI2 = Integrated Emergency ³
NYLS3-6S = Surface	8 = Deco Glass* ¹	L3 = 2500lm	35 = 3500K	F = FL		CC = Specular Clear / Specular Clear [†]			² Not compatible w/stem
NYLS3-6W = Wall	¹ Not compatible w/L6	L4 = 3500lm	40 = 4000K			DB = Diffused Clear / Specular Black			³ L5 max. & reflector only
		L5 = 4500lm				DD = Diffused Clear / Diffused Clear			
		L6 = 5500lm				DW = Diffused Clear / White			
						HB = Haze / Specular Black			
						HW = Haze / White			
						HZ = Haze / Haze			
						WW = White / White			

* Deco Glass Option

- NTG-6FC Tempered Frosted Glass with Clear Center
- NTG-6HC Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

Example: NYLS3-6S1L630C12HBB = 6" Sapphire III LED Cylinder, Surface Mount, 120-277V input; 0-10V dimming, 5500lm / 58W, 3000K, Spot Beam Spread, Haze Reflector / Specular Black Flange with Black Cylinder

NYLS3-6C

6" High Performance Sapphire III Cylinder

Source: 11W to 58W

900lm to 5500lm

Type

Project

Catalog No.

Notes

Cable Mounted - Product Images



NYLS3-6C1LxxBBB
Specular Black Reflector
Specular Black Flange
Black Cylinder



NYLS3-6C1LxxBWB
Specular Black Reflector
White Flange
Black Cylinder



NYLS3-6C1LxxCCB
Specular Clear Reflector
Specular Clear Flange
Black Cylinder



NYLS3-6C1LxxDBB
Diffused Clear Reflector
Specular Black Flange
Black Cylinder



NYLS3-6C1Lxxddb
Diffused Clear Reflector
Diffused Clear Flange
Black Cylinder



NYLS3-6C1LxxDWB
Diffused Clear Reflector
White Flange
Black Cylinder



NYLS3-6C1LxxHBB
Haze Reflector
Specular Black Flange
Black Cylinder



NYLS3-6C1LxxHWB
Haze Reflector
White Flange
Black Cylinder



NYLS3-6C1LxxHDB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6C1LxxWWB
White Reflector
White Flange
Black Cylinder



NYLS3-6C1LxxBBW
Specular Black Reflector
Specular Black Flange
White Cylinder



NYLS3-6C1LxxBWW
Specular Black Reflector
White Flange
White Cylinder



NYLS3-6C1LxxCCW
Specular Clear Reflector
Specular Clear Flange
White Cylinder



NYLS3-6C1LxxDBW
Diffused Clear Reflector
Specular Black Flange
White Cylinder



NYLS3-6C1LxxDDW
Diffused Clear Reflector
Diffused Clear Flange
White Cylinder



NYLS3-6C1LxxDWW
Diffused Clear Reflector
White Flange
White Cylinder



NYLS3-6C1LxxHWW
Haze Reflector
Specular Black Flange
White Cylinder



NYLS3-6C1LxxHWW
Haze Reflector
White Flange
White Cylinder



NYLS3-6C1LxxHWW
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6C1LxxWWW
White Reflector
White Flange
White Cylinder

NYLS3-6P

6" High Performance Sapphire III Cylinder

Source: 11W to 58W

900lm to 5500lm

Type

Project

Catalog No.

Notes

Stem Mounted - Product Images



NYLS3-6PILxxxBBB
Specular Black Reflector
Specular Black Flange
Black Cylinder



NYLS3-6PILxxxBWB
Specular Black Reflector
White Flange
Black Cylinder



NYLS3-6PILxxxCCB
Specular Clear Reflector
Specular Clear Flange
Black Cylinder



NYLS3-6PILxxxDBB
Diffused Clear Reflector
Specular Black Flange
Black Cylinder



NYLS3-6PILxxxddb
Diffused Clear Reflector
Diffused Clear Flange
Black Cylinder



NYLS3-6PILxxxDWB
Diffused Clear Reflector
White Flange
Black Cylinder



NYLS3-6PILxxxHBB
Haze Reflector
Specular Black Flange
Black Cylinder



NYLS3-6PILxxxHNB
Haze Reflector
White Flange
Black Cylinder



NYLS3-6PILxxxHDB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6PILxxxWNB
White Reflector
White Flange
Black Cylinder



NYLS3-6PILxxxBBW
Specular Black Reflector
Specular Black Flange
White Cylinder



NYLS3-6PILxxxBWW
Specular Black Reflector
White Flange
White Cylinder



NYLS3-6PILxxxCCW
Specular Clear Reflector
Specular Clear Flange
White Cylinder



NYLS3-6PILxxxDBW
Diffused Clear Reflector
Specular Black Flange
White Cylinder



NYLS3-6PILxxxDDW
Diffused Clear Reflector
Diffused Clear Flange
White Cylinder



NYLS3-6PILxxxDWW
Diffused Clear Reflector
White Flange
White Cylinder



NYLS3-6PILxxxHNB
Haze Reflector
Specular Black Flange
White Cylinder



NYLS3-6PILxxxHWW
Haze Reflector
White Flange
White Cylinder



NYLS3-6PILxxxHDB
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6PILxxxWNB
White Reflector
White Flange
White Cylinder

NYLS3-6S

6" High Performance Sapphire III Cylinder

Source: 11W to 58W

900lm to 5500lm

Type

Project

Catalog No.

Notes

Surface Mounted - Product Images



NYLS3-6S1LxxBBB
Specular Black Reflector
Specular Black Flange
Black Cylinder



NYLS3-6S1LxxBWB
Specular Black Reflector
White Flange
Black Cylinder



NYLS3-6S1LxxCCB
Specular Clear Reflector
Specular Clear Flange
Black Cylinder



NYLS3-6S1LxxDBB
Diffused Clear Reflector
Specular Black Flange
Black Cylinder



NYLS3-6S1Lxxddb
Diffused Clear Reflector
Diffused Clear Flange
Black Cylinder



NYLS3-6S1LxxDWB
Diffused Clear Reflector
White Flange
Black Cylinder



NYLS3-6S1LxxHBB
Haze Reflector
Specular Black Flange
Black Cylinder



NYLS3-6S1LxxHNB
Haze Reflector
White Flange
Black Cylinder



NYLS3-6S1LxxHDB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6S1LxxWBB
White Reflector
White Flange
Black Cylinder



NYLS3-6S1LxxBBW
Specular Black Reflector
Specular Black Flange
White Cylinder



NYLS3-6S1LxxBWW
Specular Black Reflector
White Flange
White Cylinder



NYLS3-6S1LxxCCW
Specular Clear Reflector
Specular Clear Flange
White Cylinder



NYLS3-6S1LxxDBW
Diffused Clear Reflector
Specular Black Flange
White Cylinder



NYLS3-6S1Lxxddw
Diffused Clear Reflector
Diffused Clear Flange
White Cylinder



NYLS3-6S1LxxDWW
Diffused Clear Reflector
White Flange
White Cylinder



NYLS3-6S1LxxHNB
Haze Reflector
Specular Black Flange
White Cylinder



NYLS3-6S1LxxHWW
Haze Reflector
White Flange
White Cylinder



NYLS3-6S1LxxHDB
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6S1LxxWBB
White Reflector
White Flange
White Cylinder

NYLS3-6W

6" High Performance Sapphire III Cylinder

Source: 11W to 58W

900lm to 5500lm

Type

Project

Catalog No.

Notes

Wall Mounted - Product Images



NYLS3-6W1LxxxBBB
Specular Black Reflector
Specular Black Flange
Black Cylinder



NYLS3-6W1LxxxBWB
Specular Black Reflector
White Flange
Black Cylinder



NYLS3-6W1LxxxCCB
Specular Clear Reflector
Specular Clear Flange
Black Cylinder



NYLS3-6W1LxxxDBB
Diffused Clear Reflector
Specular Black Flange
Black Cylinder



NYLS3-6W1Lxxxddb
Diffused Clear Reflector
Diffused Clear Flange
Black Cylinder



NYLS3-6W1LxxxDWB
Diffused Clear Reflector
White Flange
Black Cylinder



NYLS3-6W1LxxxHBB
Haze Reflector
Specular Black Flange
Black Cylinder



NYLS3-6W1LxxxHBB
Haze Reflector
White Flange
Black Cylinder



NYLS3-6W1LxxxHDB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6W1LxxxWBB
White Reflector
White Flange
Black Cylinder



NYLS3-6W1LxxxBBW
Specular Black Reflector
Specular Black Flange
White Cylinder



NYLS3-6W1LxxxBWW
Specular Black Reflector
White Flange
White Cylinder



NYLS3-6W1LxxxCCW
Specular Clear Reflector
Specular Clear Flange
White Cylinder



NYLS3-6W1LxxxDBW
Diffused Clear Reflector
Specular Black Flange
White Cylinder



NYLS3-6W1LxxxDDW
Diffused Clear Reflector
Diffused Clear Flange
White Cylinder



NYLS3-6W1LxxxDWW
Diffused Clear Reflector
White Flange
White Cylinder



NYLS3-6W1LxxxHBW
Haze Reflector
Specular Black Flange
White Cylinder



NYLS3-6W1LxxxHWW
Haze Reflector
White Flange
White Cylinder



NYLS3-6W1LxxxHZW
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6W1LxxxWWW
White Reflector
White Flange
White Cylinder

PHOTOMETRICS

6" High Performance Sapphire III Cylinder

5500lm / 60W

Type

Project

Catalog No.

Notes

Test Information

Test Number: NTR2350R1

Part Number: NYLS3-6S1L640SC12WWW

Beam Spread: 38° Spot

Lumens: 5673lm

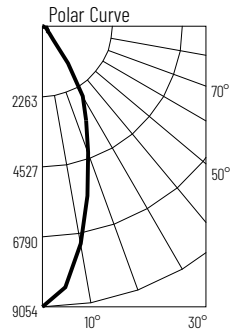
Wattage: 56.59W

Efficacy: 100lpw

CCT / CRI: 4000K / 90 CRI

Spacing Criteria (0°-180°): 0.62

Spacing Criteria (90°-270°): 0.62



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	141fc	5'-7"
12'	62.9fc	8'-5"
16'	35.4fc	11'-2"
20'	22.6fc	14'
24'	15.7fc	16'-10"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3900	68.8
0-40	4883	86.1
0-60	5362	94.5
0-90	5673	100
90-180	0	0
0-180	5673	100

Candela Table

Vertical Angles	Candela
0	9054
5	8452
15	5655
25	3344
35	1462
45	307

Test Information

Test Number: NTR2349R1

Part Number: NYLS3-6S1L640NC12WWW

Beam Spread: 56° Narrow Flood

Lumens: 5709lm

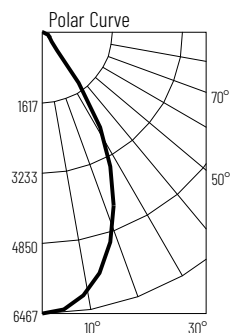
Wattage: 56.65W

Efficacy: 101lpw

CCT / CRI: 4000K / 90 CRI

Spacing Criteria (0°-180°): 0.86

Spacing Criteria (90°-270°): 0.86



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	101fc	8'-7"
12'	44.9fc	12'-11"
16'	25.3fc	17'-1"
20'	16.2fc	21'-5"
24'	11.2fc	25'-8"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3364	58.9
0-40	4654	81.5
0-60	5377	94.2
0-90	5709	100
90-180	0	0
0-180	5709	100

Candela Table

Vertical Angles	Candela
0	6467
5	6361
15	5481
25	3838
35	1679
45	305

Test Information

Test Number: NTR2343R1

Part Number: NYLS3-6S1L640FC12WWW

Beam Spread: 72° Flood

Lumens: 5003lm

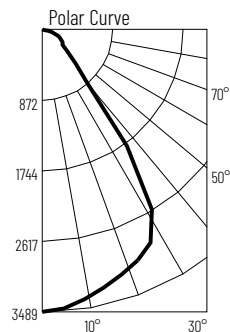
Wattage: 56.68W

Efficacy: 88lpw

CCT / CRI: 4000K / 90 CRI

Spacing Criteria (0°-180°): 1.18

Spacing Criteria (90°-270°): 1.16



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	54.5fc	11'-8"
12'	24.2fc	17'-7"
16'	13.6fc	23'-5"
20'	8.7fc	29'-4"
24'	6.1fc	35'-1"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2168	43.3
0-40	3449	68.9
0-60	4535	90.7
0-90	5003	100
90-180	0	0
0-180	5003	100

Candela Table

Vertical Angles	Candela
0	3489
5	3448
15	3243
25	3014
35	1965
45	589

Lumen Output Multipliers

Lumen Package: L1 (0.18), L2 (0.25), L3 (0.47), L4 (0.67), L5 (0.8), L6 (1.00)

Color Temperature: 2700K (0.5), 3000K (0.91), 3500K (0.97), 4000K (1.00)

Reflector Finish: Specular Black (0.68), Specular Clear (1.08), Diffused Clear (1.08), Haze (0.96), White (1.00)