

NYLS3-6

6" High Performance Sapphire III Cylinder

Source: 11W to 58W

900lm to 5500lm

PRODUCT DESCRIPTION

The architectural grade Sapphire III high lumen LED 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. 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 luminaires are proudly assembled in the USA.

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. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive)

Cylinder Body: 0.040" steel 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: Cylinder comes with 8' of 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.

Emergency: Cylinder can be specified with connections for emergency battery installation. Must specify battery with remote test switch separately (NEPK-07LEDUNV). Not compatible with stem mount option.

LISTINGS AND WARRANTY

- cULus Listed for Damp Locations (Wall Mount is Wet Location)
- 5-Year Limited Warranty
- ENERGY STAR certified
- FCC Compliant



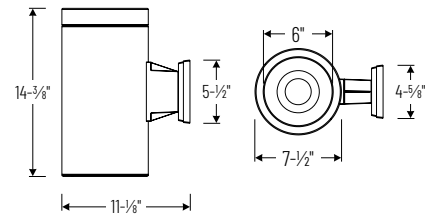
ELECTRICAL	L1	L2	L3	L4	L5	L6
Input Voltage	120VAC or 120-277VAC					
Input Power	11W max.	16W max.	24W max.	36W max.	44W max.	58W max.
Compatible Trim	NYLS3-6x1L1 NYLS3-6x6L1 NYLS3-6x8L1	NYLS3-6x1L2 NYLS3-6x6L2 NYLS3-6x8L2	NYLS3-6x1L3 NYLS3-6x6L3 NYLS3-6x8L3	NYLS3-6x1L4 NYLS3-6x6L4 NYLS3-6x8L4	NYLS3-6x1L5 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 45°C	0°C to 35°C	0°C to 35°C	0°C to 25°C	0°C to 25°C
Lifetime	50,000 hours @ L70					

Type
Project
Catalog No.
Notes

PRODUCT IMAGES



PRODUCT DIMENSIONS



6" Specifiable Beam Spread Sapphire III Cylinder

Mounting Type	Trim Type	Lumen / Wattage	CCT	Optic	Input Voltage / Dimming	Reflector / Flange Finish	Cyl Finish	Optional Emergency
NYLS3-6C = Cable	1 = Reflector	L1 = 900lm / 11W	27 = 2700K	S = SP	P01 = 120V Triac/ELV	BB = Black / Black	B = Black	/PEM = Pre-Wired for Emergency ²
NYLS3-6P = Stem	6 = Wall Wash ¹	L2 = 1500lm / 16W	30 = 3000K	N = NFL	C12 = 120-277V 0-10V	BW = Black / Matte Powder White	W = White	² Not compatible w/stem
NYLS3-6S = Surface	8 = Deco Glass* ¹	L3 = 2500lm / 24W	35 = 3500K	F = FL		CC = Clear / Clear ¹		
NYLS3-6W = Wall	¹ Not compatible w/L6	L4 = 3500lm / 36W	40 = 4000K			DB = Diffused Clear / Black		
		L5 = 4500lm / 44W				DD = Diffused Clear / Diffused		
		L6 = 5500lm / 58W				DW = Diffused Clear / Matte Powder White		
						HB = Haze / Black		
						HW = Haze / Matte Powder White		
						HZ = Haze / Haze		
						WW = Matte Powder White		

* Deco Glass Option

NTG-6CF	Tempered Clear Glass with Frosted Center
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 / 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
Black Reflector
Black Flange
Black Cylinder



NYLS3-6C1LxxBWB
Black Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6C1LxxCCB
Clear Reflector
Clear Flange
Black Cylinder



NYLS3-6C1LxxDBB
Diffused Clear Reflector
Black Flange
Black Cylinder



NYLS3-6C1Lxxddb
Diffused Clear Reflector
Diffused Flange
Black Cylinder



NYLS3-6C1LxxDWB
Diffused Clear Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6C1LxxHBB
Haze Reflector
Black Flange
Black Cylinder



NYLS3-6C1LxxHWB
Haze Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6C1LxxHDB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6C1LxxWBB
Matte Powder White Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6C1LxxBBW
Black Reflector
Black Flange
White Cylinder



NYLS3-6C1LxxBWW
Black Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6C1LxxCCW
Clear Reflector
Clear Flange
White Cylinder



NYLS3-6C1LxxDBW
Diffused Clear Reflector
Black Flange
White Cylinder



NYLS3-6C1LxxDDW
Diffused Clear Reflector
Diffused Flange
White Cylinder



NYLS3-6C1LxxDWW
Diffused Clear Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6C1LxxHBB
Haze Reflector
Black Flange
White Cylinder



NYLS3-6C1LxxHWW
Haze Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6C1LxxHDB
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6C1LxxWBB
Matte Powder White Reflector
Matte Powder 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
Black Reflector
Black Flange
Black Cylinder



NYLS3-6PILxxxBWB
Black Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6PILxxxCCB
Diffused Clear Reflector
Black Flange
Black Cylinder



NYLS3-6PILxxxDBB
Diffused Clear Reflector
Black Flange
Black Cylinder



NYLS3-6PILxxxddb
Diffused Clear Reflector
Diffused Flange
Black Cylinder



NYLS3-6PILxxxDWB
Diffused Clear Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6PILxxxHBB
Haze Reflector
Black Flange
Black Cylinder



NYLS3-6PILxxxHBB
Haze Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6PILxxxHBB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6PILxxxWBB
Matte Powder White Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6PILxxxBBW
Black Reflector
Black Flange
White Cylinder



NYLS3-6PILxxxBWW
Black Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6PILxxxCCW
Clear Reflector
Clear Flange
White Cylinder



NYLS3-6PILxxxDBW
Diffused Clear Reflector
Black Flange
White Cylinder



NYLS3-6PILxxxDDW
Diffused Clear Reflector
Diffused Flange
White Cylinder



NYLS3-6PILxxxDWW
Diffused Clear Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6PILxxxHBB
Haze Reflector
Black Flange
White Cylinder



NYLS3-6PILxxxHBB
Haze Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6PILxxxHBB
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6PILxxxWBB
Matte Powder White Reflector
Matte Powder 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



NYLS3-6S1LxxxBBB
Black Reflector
Black Flange
Black Cylinder



NYLS3-6S1LxxxBWB
Black Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6S1LxxxCCB
Clear Reflector
Clear Flange
Black Cylinder



NYLS3-6S1LxxxDBB
Diffused Clear Reflector
Black Flange
Black Cylinder



NYLS3-6S1Lxxxddb
Diffused Clear Reflector
Diffused Flange
Black Cylinder



NYLS3-6S1LxxxDBW
Diffused Clear Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6S1LxxxHBB
Haze Reflector
Black Flange
Black Cylinder



NYLS3-6S1LxxxHBB
Haze Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6S1LxxxHBB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6S1LxxxWWB
Matte Powder White Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6S1LxxxBBW
Black Reflector
Black Flange
White Cylinder



NYLS3-6S1LxxxBWW
Black Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6S1LxxxCCW
Clear Reflector
Clear Flange
White Cylinder



NYLS3-6S1LxxxDBW
Diffused Clear Reflector
Black Flange
White Cylinder



NYLS3-6S1LxxxDDW
Diffused Clear Reflector
Diffused Flange
White Cylinder



NYLS3-6S1LxxxDWW
Diffused Clear Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6S1LxxxHBW
Haze Reflector
Black Flange
White Cylinder



NYLS3-6S1LxxxHWW
Haze Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6S1LxxxHWW
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6S1LxxxWWW
Matte Powder White Reflector
Matte Powder 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
Black Reflector
Black Flange
Black Cylinder



NYLS3-6W1LxxxBWB
Black Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6W1LxxxCCB
Clear Reflector
Clear Flange
Black Cylinder



NYLS3-6W1LxxxDBB
Diffused Clear Reflector
Diffused Flange
Black Cylinder



NYLS3-6W1LxxxDDB
Diffused Clear Reflector
Diffused Flange
Black Cylinder



NYLS3-6W1LxxxDWB
Diffused Clear Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6W1LxxxHBB
Haze Reflector
Black Flange
Black Cylinder



NYLS3-6W1LxxxHBB
Haze Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6W1LxxxHDB
Haze Reflector
Haze Flange
Black Cylinder



NYLS3-6W1LxxxWBB
Matte Powder White Reflector
Matte Powder White Flange
Black Cylinder



NYLS3-6W1LxxxBBW
Black Reflector
Black Flange
White Cylinder



NYLS3-6W1LxxxBWW
Black Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6W1LxxxCCW
Clear Reflector
Clear Flange
White Cylinder



NYLS3-6W1LxxxDBW
Diffused Clear Reflector
Black Flange
White Cylinder



NYLS3-6W1LxxxDDW
Diffused Clear Reflector
Diffused Flange
White Cylinder



NYLS3-6W1LxxxDWW
Diffused Clear Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6W1LxxxHBB
Haze Reflector
Black Flange
White Cylinder



NYLS3-6W1LxxxHBB
Haze Reflector
Matte Powder White Flange
White Cylinder



NYLS3-6W1LxxxHDB
Haze Reflector
Haze Flange
White Cylinder



NYLS3-6W1LxxxWBB
Matte Powder White Reflector
Matte Powder White Flange
White Cylinder

PHOTOMETRICS

6" High Performance Sapphire III Cylinder
5500lm / 60W

Type

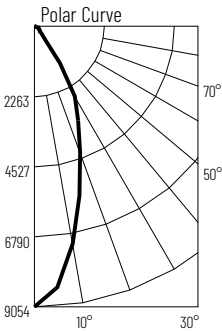
Project

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

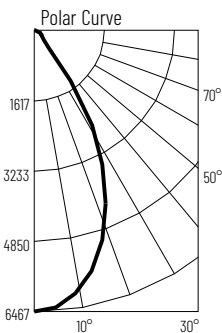
Zone	Lumens	% Luminaire
0-30	3900	68.8
0-40	4883	86.1
0-60	5362	94.5
0-90	5673	100
90-180	0	0
0-180	5673	100

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

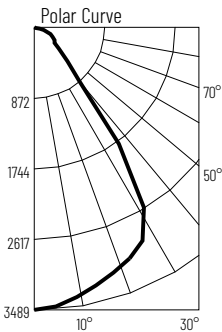
Zone	Lumens	% Luminaire
0-30	3364	58.9
0-40	4654	81.5
0-60	5377	94.2
0-90	5709	100
90-180	0	0
0-180	5709	100

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: Black (0.68), Specular Clear (1.08), Diffused (1.08), Haze (0.96), Matte Powder White (1.00)