

NYLS2-6

6" High Performance Sapphire II Cylinder

Source: 15W to 46W LED
900lm to 3500lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

Architectural grade LED cylinder with specifiable beam spreads for variable ceiling heights. Utilizing the latest COB technology by Cree[®], the COB allows for better optic control and uniformity.

FEATURES

- Cree[®] COB technology
- Internal thermal protection
- Up to 3500lm output
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- 5-Year Limited Warranty
- ENERGY STAR certified

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.

Pendant Mount: Cylinder includes a canopy and 7' (consisting of (3) 12" and (2) 24") of internally threaded rod.

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

ELECTRICAL

Input Voltage: 120V or 277V, must specify

Lumens / Wattage:

09 = 950lm / 15W; **15** = 1500lm / 18W; **25** = 2500lm / 30W; **35** = 3500lm / 46W

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

Color Rendering Index: 90+ CRI

Beam Spread: (S) Spot; (M) Narrow Flood; (F) Flood

Dimming: Triac, ELV or 0-10V dimming

[Click Here](#) or check complete dimmer list at

www.NoraLighting.com in the "Compatibility" page under "Resources" tab.

LISTINGS AND WARRANTY

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



PRODUCT IMAGES



NYLS2-6C
Cable Mounted



NYLS2-6P
Pendant Mounted

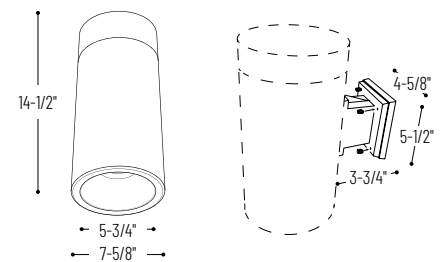


NYLS2-6S
Surface Mounted



NYLS2-6W
Wall Mounted

PRODUCT DIMENSIONS



6" Specifiable Beam Spread Sapphire II Cylinder

Mounting Type	Lumen / Wattage	Reflector Type	Color Temp	Beam Spread	Reflector / Flange Finish	Cylinder Finish	Dimming	Cable Mount Only
NYLS2-6C Cable	09 = 900lm / 15W	1 = Reflector	27 = 2700K	S = Spot	BB = Black / Black Flange	B = Black	3 = 120V Triac/ELV	AC = Aircraft cable
NYLS2-6P Pendant ¹	15 = 1500lm / 18W	8 = Reflector for Decorative Glass*	30 = 3000K	M = Medium	BW = Black / White Flange	W = White	6 = 120-277V 0-10V	(cable mount only)
NYLS2-6S Surface	25 = 2500lm / 30W		35 = 3500K	F = Flood	DB = Diffused Clear / Black Flange			
NYLS2-6W Wall Mount	35 = 3500lm / 46W		40 = 4000K		DD = Diffused Clear / Diffused Flange			
					DW = Diffused Clear / White Flange			
					HB = Haze / Black Flange			
					HW = Haze / White Flange			
					HZ = Haze / Haze Flange			
					WW = White / White Flange			

*Deco Glass Option

- NTG-6B/120** Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** Tempered Clear Glass with Frosted Center
- NTG-6FC** Tempered Clear Glass with Clear Center
- NTG-6HC** Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

¹ 0-10V dimming requires an offset nylon sleeve with 2 wires (gray and purple) that run parallel to rod

Example: **NYLS2-6S35127SHBB6** = 6" Sapphire II LED Cylinder, Surface Mount, 3500lm / 46W, 2700K, Spot Beam Spread, Haze Reflector / Black Flange with Black Cylinder, 120-277V input; 0-10V dimming

PHOTOMETRICS

6" High Performance Sapphire II Cylinder

Type

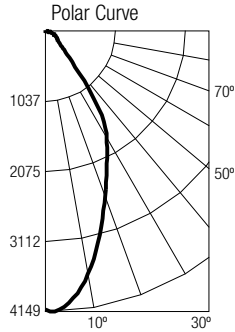
Project

Catalog No.

Notes

Test Information

Test Number: NTR1135
 Part Number: NYLS2-6S13540SWWW
 Part Number: Spot
 Lumens: 3775lm
 Wattage: 43.7W
 Efficacy: 86lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 0.76
 Spacing Criteria (90°-270): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	115fc	5'-10"
9'	51fc	8'-8"
12'	28.7fc	11'-7"
15'	18.3fc	14'-6"
18'	12.7fc	17'-5"

Zonal Lumen Summary

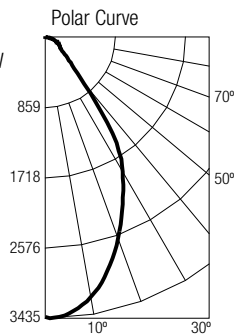
Zone	Lumens	% Luminaire
0-30	2200	58.3
0-40	2960	78.4
0-60	3450	91.4
0-90	3732	98.9
90-180	43	1.1
0-180	3775	100

Candela Table

Vertical Angles	Candela
0	4128
5	4010
15	3069
25	2125
35	1262
45	366

Test Information

Test Number: 727477
 Part Number: NYLS2-6S13540MWWW
 Part Number: Narrow Flood
 Lumens: 3844lm
 Wattage: 43.5W
 Efficacy: 88lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 0.92
 Spacing Criteria (90°-270): 0.92



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	95fc	7'-6"
9'	42.2fc	11'-4"
12'	23.8fc	15'-1"
15'	15.2fc	18'-10"
18'	10.6fc	22'-6"

Zonal Lumen Summary

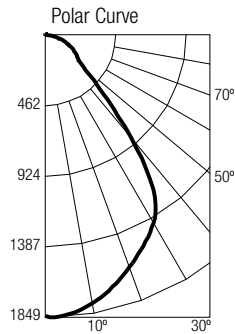
Zone	Lumens	% Luminaire
0-30	2157	56.1
0-40	2988	77.7
0-60	3526	91.7
0-90	3815	99.2
90-180	29	0.8
0-180	3844	100

Candela Table

Vertical Angles	Candela
0	3421
5	3374
15	2947
25	2226
35	1400
45	426

Test Information

Test Number: 727489
 Part Number: NYLS2-6S13540FWWW
 Part Number: Flood
 Lumens: 3127lm
 Wattage: 43.3W
 Efficacy: 72lpw
 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
6'	51.3fc	9'-11"
9'	22.8fc	14'-10"
12'	12.8fc	19'-8"
15'	8.2fc	24'-8"
18'	5.7fc	29'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1357	43.4
0-40	2107	67.4
0-60	2777	88.8
0-90	3104	99.3
90-180	23	0.7
0-180	3127	100

Candela Table

Vertical Angles	Candela
0	1847
5	1832
15	1710
25	1525
35	1240
45	546