

NYLS2-6P

6" High Performance Sapphire II Cylinder

Source: 16W 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 and threaded center for the installation of stem(s). 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

Cylinder includes a canopy and 7' (consisting of (3) 12" and (2) 24") of internally threaded rod. Offset nylon sleeve included for emergency wiring.

ELECTRICAL

Input Voltage: 120V or 277V, must specify

Lumens / Wattage:

09 = 950lm / 16W; **15** = 1500lm / 18W; **25** = 2500lm / 30W; **35** = 3500lm / 46W

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

Color Rendering Index: 90+ CRI

Beam Spread: (S) 45° Spot, (M) 64° Narrow Flood, (F) 79° 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.

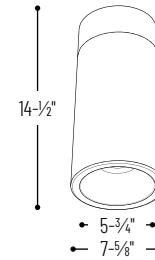
Emergency: Cylinder can be specified with connections for emergency battery installation. Must specify battery with remote test switch separately ([NEPK-07LEDUNV](#)).

LISTINGS AND WARRANTY

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



PRODUCT IMAGES AND DIMENSIONS



6" Specifiable Beam Spread Sapphire II Cylinder

Mounting Type	Lumen / Wattage	Reflector Type	Color Temp	Beam Spread	Reflector / Flange Finish	Cyl. Finish	Dimming	Optional Emergency
NYLS2-6P Stem	09 = 900lm / 16W	1 = Reflector	27 = 2700K	S = Spot	BB = Black / Black Flange	B = Black W = White	3 = 120V Triac/ELV 6 = 120-277V 0-10V	/PEM = Pre-wired for Emergency
	15 = 1500lm / 18W	8 = Reflector for Decorative Glass*	30 = 3000K	M = Medium	BW = Black / White Flange			
	25 = 2500lm / 30W		35 = 3500K	F = Flood	CC = Clear / Clear Flange			
	35 = 3500lm / 46W		40 = 4000K		DB = Diffused Clear / Black Flange 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 Frosted Glass with Clear Center
NTG-6HC	Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

Example: NYLS2-6P3512SHBB6EM = 6" Sapphire II LED Cylinder, Stem Mount, 3500lm / 46W, 2700K, Spot Beam Spread, Haze Reflector / Black Flange with Black Cylinder, 120-277V input; 0-10V dimming with Pre-Wire for EM

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900lm to 3500lm

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Stem Mounted - Product Images



NYLS2-6Pxx1xxxBBB

Black Reflector
Black Flange
Black Cylinder



NYLS2-6Pxx1xxxBWB

Black Reflector
White Flange
Black Cylinder



NYLS2-6Pxx1xxxCCB

Diffused Clear Reflector
Black Flange
Black Cylinder



NYLS2-6Pxx1xxxDBB

Diffused Clear Reflector
Black Flange
Black Cylinder



NYLS2-6Pxx1xxxDDB

Diffused Clear Reflector
Diffused Flange
Black Cylinder



NYLS2-6Pxx1xxxHBB

Diffused Clear Reflector
White Flange
Black Cylinder



NYLS2-6Pxx1xxxHBB

Haze Reflector
Black Flange
Black Cylinder



NYLS2-6Pxx1xxxHBB

Haze Reflector
White Flange
Black Cylinder



NYLS2-6Pxx1xxxHBB

Haze Reflector
Haze Flange
Black Cylinder



NYLS2-6Pxx1xxxHBB

White Reflector
White Flange
Black Cylinder



NYLS2-6Pxx1xxxBBW

Black Reflector
Black Flange
White Cylinder



NYLS2-6Pxx1xxxBWW

Black Reflector
White Flange
White Cylinder



NYLS2-6Pxx1xxxCCW

Clear Reflector
Clear Flange
White Cylinder



NYLS2-6Pxx1xxxDBW

Diffused Clear Reflector
Black Flange
White Cylinder



NYLS2-6Pxx1xxxDDW

Diffused Clear Reflector
Diffused Flange
White Cylinder



NYLS2-6Pxx1xxxDWW

Diffused Clear Reflector
White Flange
White Cylinder



NYLP2-6Pxx1xxxHBB

Haze Reflector
Black Flange
White Cylinder



NYLP2-6Pxx1xxxHWW

Haze Reflector
White Flange
White Cylinder



NYLP2-6Pxx1xxxHZZ

Haze Reflector
Haze Flange
White Cylinder



NYLS2-6Pxx1xxxWWW

White Reflector
White Flange
White Cylinder

PHOTOMETRICS

6" High Performance Sapphire II Cylinder
900lm

Type _____

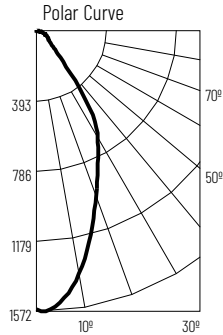
Project _____

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Notes _____

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S09140SWWW
Part Number: 35° Spot
Lumens: 1113lm
Wattage: 14.89W
Efficacy: 75lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180): 0.56
Spacing Criteria (90°-270): 0.54



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	95.2fc	2'-7"
6'	42.3fc	3'-11"
8'	23.8fc	5'-2"
10'	15.2fc	6'-6"
12'	10.6fc	7'-10"

Zonal Lumen Summary

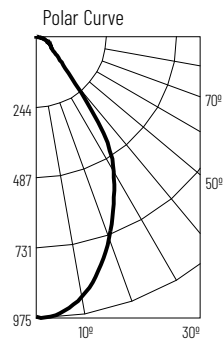
Zone	Lumens	% Luminaire
0-30	637	57.2
0-40	869	78.1
0-60	1019	91.6
0-90	1106	99.4
90-180	7	0.6
0-180	1113	100

Candela Table

Vertical Angles	Candela
0	1522
5	1421
15	868
25	595
35	401
45	114

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S09140MWWW
Part Number: 65° Narrow Flood
Lumens: 1114lm
Wattage: 14.86W
Efficacy: 75lpw
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
4'	60.7fc	5'-1"
6'	27fc	7'-8"
8'	15.2fc	10'-2"
10'	9.7fc	12'-10"
12'	6.8fc	15'-4"

Zonal Lumen Summary

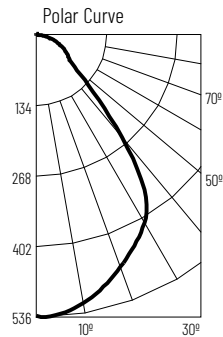
Zone	Lumens	% Luminaire
0-30	607	54.5
0-40	855	76.8
0-60	1019	91.4
0-90	1108	99.4
90-180	7	0.6
0-180	1114	100

Candela Table

Vertical Angles	Candela
0	972
5	955
15	825
25	627
35	426
45	128

Test Information

Test Number: NTR1321
Part Number: NYLS2-6S09140FWWW
Part Number: 79° Flood
Lumens: 898lm
Wattage: 15.02W
Efficacy: 60lpw
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
4'	33.3fc	6'-6"
6'	14.8fc	9'-10"
8'	8.3fc	13'-1"
10'	5.3fc	16'-4"
12'	3.7fc	19'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	390	43.4
0-40	605	67.4
0-60	795	88.5
0-90	891	99.3
90-180	7	0.7
0-180	898	100

Candela Table

Vertical Angles	Candela
0	533
5	527
15	491
25	436
35	354
45	154

Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.91), 3500K (0.96), 4000K (1.00)

PHOTOMETRICS

6" High Performance Sapphire II Cylinder
1500lm

Type

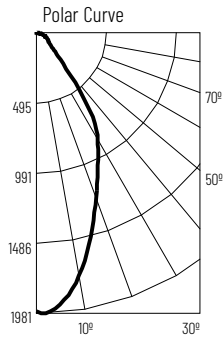
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Notes

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S15140SWWW
Part Number: 42° Spot
Lumens: 1561lm
Wattage: 16.78W
Efficacy: 93lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180): 0.64
Spacing Criteria (90°-270): 0.66



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	54.1fc	4'-6"
9'	24fc	6'-10"
12'	13.5fc	9'-1"
15'	8.7fc	11'-5"
18'	6fc	13'-7"

Zonal Lumen Summary

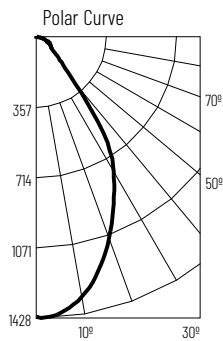
Zone	Lumens	% Luminaire
0-30	904	57.9
0-40	1213	77.7
0-60	1435	91.9
0-90	1550	99.3
90-180	11	0.7
0-180	1561	100

Candela Table

Vertical Angles	Candela
0	1946
5	1844
15	1234
25	832
35	504
45	159

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S15140MWWW
Part Number: 63° Narrow Flood
Lumens: 1566lm
Wattage: 16.92W
Efficacy: 93lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180): 0.9
Spacing Criteria (90°-270): 0.9



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	39.4fc	7'-5"
9'	17.5fc	11'-1"
12'	9.9fc	14'-8"
15'	6.3fc	18'-5"
18'	4.4fc	22'-1"

Zonal Lumen Summary

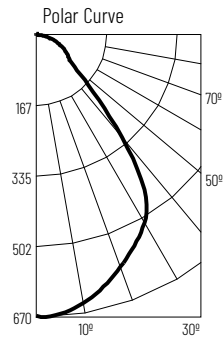
Zone	Lumens	% Luminaire
0-30	877	56
0-40	1216	77.6
0-60	1439	91.9
0-90	1556	99.4
90-180	10	0.6
0-180	1566	100

Candela Table

Vertical Angles	Candela
0	1420
5	1402
15	1206
25	895
35	572
45	176

Test Information

Test Number: NTR1321
Part Number: NYLS2-6S15140FWWW
Part Number: 79° Flood
Lumens: 1132lm
Wattage: 15.04W
Efficacy: 75lpw
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'	18.5fc	9'-11"
9'	8.2fc	14'-10"
12'	4.6fc	19'-8"
15'	3fc	24'-7"
18'	2.1fc	29'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	490	43.3
0-40	756	66.7
0-60	1005	88.8
0-90	1124	99.3
90-180	8	0.7
0-180	1132	100

Candela Table

Vertical Angles	Candela
0	667
5	662
15	618
25	551
35	436
45	202

Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.91), 3500K (0.96), 4000K (1.00)

PHOTOMETRICS

6" High Performance Sapphire II Cylinder
2500lm

Type

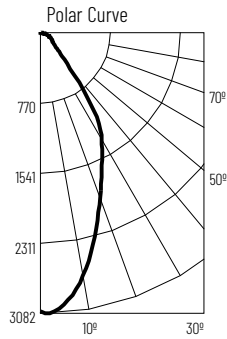
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Notes

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S25140SWWW
Part Number: 40° Spot
Lumens: 2367lm
Wattage: 28.8W
Efficacy: 82lpw
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
6'	84.5fc	4'-5"
9'	37.6fc	6'-7"
12'	21.1fc	8'-8"
15'	13.5fc	10'-11"
18'	9.4fc	13'-1"

Zonal Lumen Summary

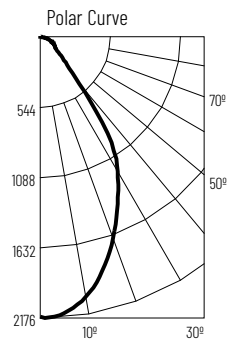
Zone	Lumens	% Luminaire
0-30	1371	57.9
0-40	1860	78.6
0-60	2170	91.7
0-90	2350	99.3
90-180	17	0.7
0-180	2367	100

Candela Table

Vertical Angles	Candela
0	3043
5	2842
15	1879
25	1271
35	836
45	233

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S25140MWWW
Part Number: 63° Narrow Flood
Lumens: 2408lm
Wattage: 29.04W
Efficacy: 83lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180): 0.9
Spacing Criteria (90°-270): 0.9



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	60.4fc	7'-5"
9'	26.8fc	11'
12'	15.1fc	14'-8"
15'	9.7fc	18'-5"
18'	6.7fc	22'-1"

Zonal Lumen Summary

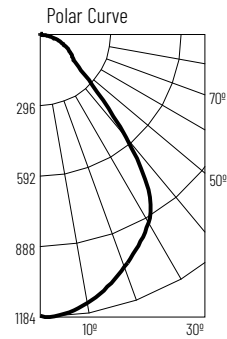
Zone	Lumens	% Luminaire
0-30	1345	55.8
0-40	1867	77.5
0-60	2207	91.7
0-90	2390	99.3
90-180	18	0.7
0-180	2408	100

Candela Table

Vertical Angles	Candela
0	2173
5	2137
15	1837
25	1371
35	889
45	269

Test Information

Test Number: NTR1321
Part Number: NYLS2-6S25140FWWW
Part Number: 79° Flood
Lumens: 2004lm
Wattage: 29.24W
Efficacy: 69lpw
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'	32.8fc	9'-10"
9'	14.6fc	14'-8"
12'	8.2fc	19'-7"
15'	5.3fc	24'-7"
18'	3.6fc	29'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	867	43.3
0-40	1336	66.7
0-60	1780	88.8
0-90	1989	99.3
90-180	14	0.7
0-180	2004	100

Candela Table

Vertical Angles	Candela
0	1181
5	1171
15	1094
25	976
35	779
45	349

Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.91), 3500K (0.96), 4000K (1.00)

PHOTOMETRICS

6" High Performance Sapphire II Cylinder
3500lm

Type

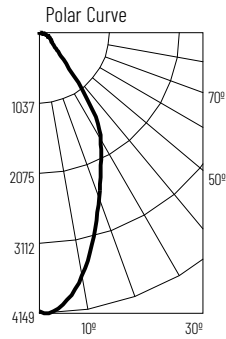
Project

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Notes

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S35140SWWW
Part Number: 51° Spot
Lumens: 3775lm
Wattage: 43.71W
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

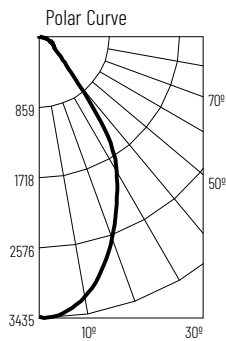
Zone	Lumens	% Luminaire
0-30	2200	58.3
0-40	2960	78.4
0-60	3450	91.4
0-90	3732	98.9
90-180	43	1.1
0-180	3775	100

Candela Table

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

Test Information

Test Number: NTR1335
Part Number: NYLS2-6S35140MWWW
Part Number: 64° Narrow Flood
Lumens: 3844lm
Wattage: 43.49W
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'
15'	15.2fc	18'-10"
18'	10.6fc	22'-6"

Zonal Lumen Summary

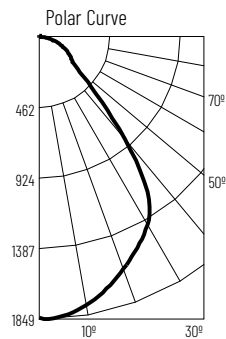
Zone	Lumens	% Luminaire
0-30	2157	56.1
0-40	2988	77.7
0-60	3526	91.7
0-90	3815	99.2
90-180	29	0.8
0-180	3844	100

Candela Table

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

Test Information

Test Number: NTR1321
Part Number: NYLS2-6S35140FWWW
Part Number: 79° Flood
Lumens: 3127lm
Wattage: 43.27W
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

Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.91), 3500K (0.96), 4000K (1.00)