

SPIN PENDANTS

Designed in collaboration with Elkus Manfredi Architects.



LUMENS / WATTAGE DATA				
PART NUMBER	SCREW BASE	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
SN12 G40 Opal	Med Base	633	8.7	73
SN12 A19 Opal	Med Base	818	10.8	76
SN24 G40 Opal	Med Base	839	8.7	96
SN24 A19 Opal	Med Base	1012	10.8	94
SN32 G40 Opal	Med Base	922	8.7	106
SN32 A19 Opal	Med Base	1097	10.8	102

¹ Nominal Delivered Lumens with MWI. See Photometry for Lamp Tested

PRODUCT SELECTOR GUIDE

SERIES	OPTIONS	MOUNTING	EXTERIOR	INTERIOR

EXAMPLE

SN32	MED	CM60	TW	FCI
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SERIES	OPTIONS ¹	MOUNTING	EXTERIOR FINISH ²	INTERIOR FINISH ²
SN12 SN24 SN32	MED Medium Base E26	CM - Cord Mount 60" 120"	TW Textured White TB Textured Black CC Custom Color	MWI Matte White Interior FCI Match Exterior Finish CCI Custom Color Interior
¹ 60W Max / A19 or G40 LED Lamp, Opal Envelope Recommended		² Reference color sheet located on product webpage for full list of available colors.		



FINISH

REFERENCE COLOR SHEET LOCATED ON PRODUCT WEBPAGE FOR FULL LIST OF AVAILABLE COLORS.
A TEXTURED FINISH PROVIDES MOST UNIFORM SURFACE APPEARANCE. GLOSS AND MATTE FINISHES WILL REVEAL UNIQUE CRAFTED LINES FROM HAND SPINNING PROCESS.

TIER 1 - STANDARD FINISHES



*UNAVAILABLE FOR WET LOCATION

MOUNTING FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Specialty	\$\$	⌚⌚
Tier 3 - Hand Applied	\$\$\$	⌚⌚⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

PRODUCT FEATURES

- Hand Spun Shades**

Heavy gauge spun aluminum shade with integral LED driver and diffuse optic embodies our commitment to innovation and architectural elegance. Each hand-crafted shade expresses its unique character.

- No Visible Hardware**

The allure of a beautifully designed luminaire, devoid of visible hardware, is a testament to the discerning eye of the specifier that seeks a seamless aesthetic and refined craftsmanship.

- Machined Finial**

Precision machined, solid aluminum finial gracefully complements the transition at the conical peak of the shade.

- Slim Mounting Features**

Spin's slender, field cuttable cord and low profile, magnetically held canopy plate help everything above the shade "disappear" allowing your focus to remain on more important things.

- Form and Function**

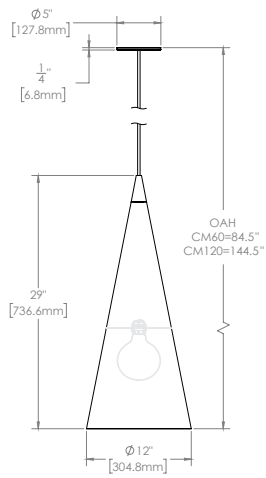
Spin's three distinct conical profiles cater to a wide range of interior space proportions and when arranged in patterns or clusters offer unique aesthetic identity.

- Light Source**

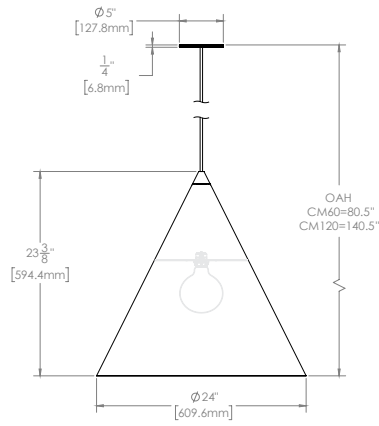
In contrast to its dedicated LED counterpart, this simplistic solution has a medium base (E-26) porcelain socket, oriented base-up, and is engineered for one lamp, 60 watts max. Spin Screw Base Pendants have been tested with (1) 10.8W LED A19 opal, and (1) 8.7W LED G40 opal. See performance data on subsequent pages, or on our website.

HOUSING DIMENSIONS

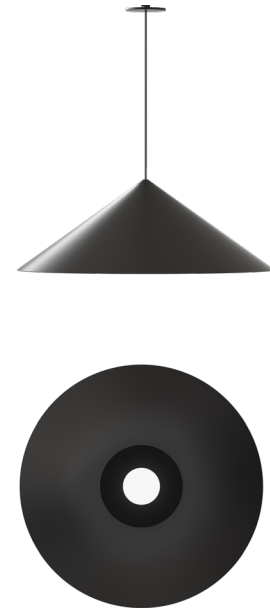
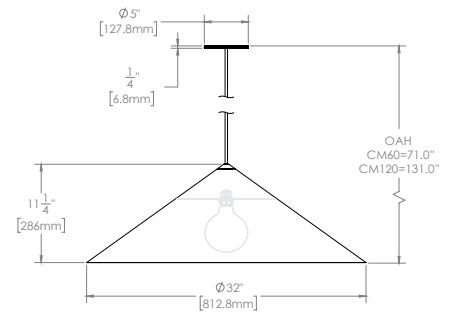
SN12 Shown with G40 Lamp



SN24 Shown with G40 Lamp



SN32 Shown with G40 Lamp



SPIN PENDANTS



SN12 MED xx xx MWI G40 Opal

CANDLEPOWER CURVE TEST SP-01609	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	0° - 10° 34 5%	5.5'	12 fc	9.1'	3 fc	10'	4'	19	0.27	15	0.27	
	0° 358	0° - 20° 129 20%	6.5'	8 fc	10.7'	2 fc	12'	6'	14	0.21	17	0.30	
	5° 355	0° - 30° 264 42%	7.5'	6 fc	12.3'	1 fc	14'	8'	8	0.12	10	0.17	
	15° 333	0° - 40° 400 63%	8.5'	5 fc	14.0'	1 fc	Delivered Illuminance Rating: (DIR)						
	25° 291	0° - 60° 571 90%	10.0'	4 fc	16.5'	1 fc	68 FC per W/Sq. Ft. 56 FC per W/Sq. Ft.						
	35° 217	0° - 80° 619 98%	12.0'	2 fc	19.8'	1 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor						
	45° 137	0° - 90° 622 98%	14.0'	2 fc	23.1'	0 fc							
	55° 75	Total 633 100%	16.0'	1 fc	26.3'	0 fc							
	90° 2												

Delivered Lumens: 633
 Luminaire Watts: 8.7
 LER: 72.76

CP at 0° (Nadir): 358
 Beam Angle: 79°
 Spacing Ratio: 1.09
 Melanopic Ratio: 0.37

SN12 MED xx xx MWI A19 Opal

CANDLEPOWER CURVE TEST SP-01609_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	0° - 10° 42 5%	5.5'	14 fc	8.9'	3 fc	10'	4'	24	0.34	20	0.34	
	0° 434	0° - 20° 165 20%	6.5'	10 fc	10.5'	2 fc	12'	6'	18	0.26	22	0.37	
	5° 433	0° - 30° 349 43%	7.5'	8 fc	12.1'	2 fc	14'	8'	11	0.15	13	0.22	
	15° 424	0° - 40° 527 65%	8.5'	6 fc	13.8'	1 fc	Delivered Illuminance Rating: (DIR)						
	25° 399	0° - 60° 739 90%	10.0'	4 fc	16.2'	1 fc	71 FC per W/Sq. Ft. 58 FC per W/Sq. Ft.						
	35° 286	0° - 80° 802 98%	12.0'	3 fc	19.4'	1 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor						
	45° 166	0° - 90° 806 99%	14.0'	2 fc	22.7'	1 fc							
	55° 99	Total 818 100%	16.0'	2 fc	25.9'	0 fc							
	90° 2												

Delivered Lumens: 818
 Luminaire Watts: 10.8
 LER: 75.74

CP at 0° (Nadir): 434
 Beam Angle: 78°
 Spacing Ratio: 1.21
 Melanopic Ratio: 0.49

SN24 MED xx xx MWI G40 Opal

CANDLEPOWER CURVE TEST SP-01612	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	0° - 10° 39 5%	5.5'	14 fc	12.1'	2 fc	10'	4'	25	0.27	20	0.27	
	0° 413	0° - 20° 140 17%	6.5'	10 fc	14.3'	1 fc	12'	6'	18	0.21	21	0.30	
	5° 408	0° - 30° 290 35%	7.5'	7 fc	16.5'	1 fc	14'	8'	11	0.12	13	0.17	
	15° 360	0° - 40° 469 56%	8.5'	6 fc	18.7'	1 fc	Delivered Illuminance Rating: (DIR)						
	25° 326	0° - 60° 760 91%	10.0'	4 fc	22.0'	1 fc	90 FC per W/Sq. Ft. 72 FC per W/Sq. Ft.						
	35° 290	0° - 80° 828 99%	12.0'	3 fc	26.4'	0 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor						
	45° 233	0° - 90° 832 99%	14.0'	2 fc	30.8'	0 fc							
	55° 137	Total 839 100%	16.0'	2 fc	35.2'	0 fc							
	90° 1												

Delivered Lumens: 839
 Luminaire Watts: 8.7
 LER: 96.44

CP at 0° (Nadir): 413
 Beam Angle: 95°
 Spacing Ratio: 1.12
 Melanopic Ratio: 0.38

SPIN PENDANTS



SN24 MED xx xx MWI A19 Opal

CANDLEPOWER CURVE TEST SP-01612_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
	0°	0° - 10° 54 5%	Mounting Distance	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0° 713	0° - 20° 178 18%	FC at Beam Center	10'	4"	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	
	5° 605	0° - 30° 359 35%	Diameter at Beam Angle	12'	6"	22	0.26	18	0.26	
	15° 433	0° - 40° 582 57%	FC at Beam Edge	14'	8"	13	0.15	15	0.22	
	25° 392	0° - 60° 929 92%	5.5'	24 fc	7.3'	7 fc	Delivered Illuminance Rating: (DIR)			
	35° 355	0° - 80° 996 98%	6.5'	17 fc	8.7'	5 fc	88 FC per W/Sq. Ft. 71 FC per W/Sq. Ft.			
	45° 305	0° - 90° 1000 99%	7.5'	13 fc	10.0'	4 fc	3' Suspension Length to luminous aperture			
	55° 114	Total 1012 100%	8.5'	10 fc	11.4'	3 fc	Square rooms used for multiple units:			
	90° 2		10.0'	7 fc	13.4'	2 fc	RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00			
			12.0'	5 fc	16.0'	1 fc	RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50			
			14.0'	4 fc	18.7'	1 fc	+ Average Initial Footcandles at 2.5' Above Floor			
		16.0'	3 fc	21.4'	1 fc	* Exceeds Spacing Ratio by 35%				
						** Exceeds Spacing Ratio by 40%				
						*** Exceeds Spacing Ratio by 43%				

Delivered Lumens: 1012
 Luminaire Watts: 10.8
 LER: 93.70

CP at 0° (Nadir): 713
 Beam Angle: 67°
 Spacing Ratio: 0.66
 Melanopic Ratio: 0.47

SN32 MED xx xx MWI G40 Opal

CANDLEPOWER CURVE TEST SP-01616	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
	0°	0° - 10° 26 3%	Mounting Distance	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0° 274	0° - 20° 100 11%	FC at Beam Center	10'	6"	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	
	5° 273	0° - 30° 212 23%	Diameter at Beam Angle	12'	8"	12	0.13	9	0.13	
	15° 265	0° - 40° 352 38%	FC at Beam Edge	14'	10"	7	0.08	5	0.08	
	25° 245	0° - 60° 665 72%	5.5'	9 fc	25.1'	0 fc	Delivered Illuminance Rating: (DIR)			
	35° 225	0° - 80° 895 97%	6.5'	6 fc	29.6'	0 fc	91 FC per W/Sq. Ft. 69 FC per W/Sq. Ft.			
	45° 203	0° - 90° 915 99%	7.5'	5 fc	34.2'	0 fc	3' Suspension Length to luminous aperture			
	55° 180	Total 922 100%	8.5'	4 fc	38.7'	0 fc	Square rooms used for multiple units:			
	90° 3		10.0'	3 fc	45.6'	0 fc	RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00			
			12.0'	2 fc	54.7'	0 fc	RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50			
			14.0'	1 fc	63.8'	0 fc	+ Average Initial Footcandles at 2.5' Above Floor			
		16.0'	1 fc	72.9'	0 fc	* Exceeds Spacing Ratio by 3%				

Delivered Lumens: 922
 Luminaire Watts: 8.7
 LER: 105.98

CP at 0° (Nadir): 274
 Beam Angle: 133°
 Spacing Ratio: 1.27
 Melanopic Ratio: 0.37

SN32 MED xx xx MWI A19 Opal

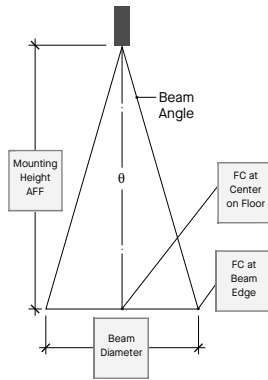
CANDLEPOWER CURVE TEST SP-01616_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
	0°	0° - 10° 33 3%	Mounting Distance	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0° 352	0° - 20° 121 11%	FC at Beam Center	10'	6"	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	
	5° 352	0° - 30° 257 23%	Diameter at Beam Angle	12'	8"	14	0.16	11	0.16	
	15° 319	0° - 40° 428 39%	FC at Beam Edge	14'	10"	8	0.10	6	0.10	
	25° 299	0° - 60° 809 74%	5.5'	12 fc	22.7'	0 fc	Delivered Illuminance Rating: (DIR)			
	35° 280	0° - 80° 1080 98%	6.5'	8 fc	26.9'	0 fc	88 FC per W/Sq. Ft. 67 FC per W/Sq. Ft.			
	45° 249	0° - 90° 1087 99%	7.5'	6 fc	31.0'	0 fc	3' Suspension Length to luminous aperture			
	55° 220	Total 1097 100%	8.5'	5 fc	35.1'	0 fc	Square rooms used for multiple units:			
	90° 2		10.0'	4 fc	41.3'	0 fc	RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00			
			12.0'	2 fc	49.6'	0 fc	RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50			
			14.0'	2 fc	57.9'	0 fc	+ Average Initial Footcandles at 2.5' Above Floor			
		16.0'	1 fc	66.1'	0 fc	* Exceeds Spacing Ratio by 8%				

Delivered Lumens: 1097
 Luminaire Watts: 10.8
 LER: 101.57

CP at 0° (Nadir): 352
 Beam Angle: 128°
 Spacing Ratio: 1.24
 Melanopic Ratio: 0.47

HOW TO USE PERFORMANCE DATA

SINGLE UNIT



Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.

$$FC_H = CP \times (\cos \theta) \div D^2$$

$$\text{Beam Diam.} = \frac{1}{2} \text{ Beam Angle (Tan)} \times 2D$$

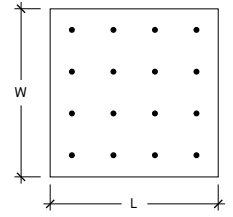
- CP Candela at 0° (Nadir)
- Cos θ Cosine of θ Angle
- D Distance (Mounting Height AFF)
- FC_H Footcandles, Horizontal
- Beam Angle Cone of light to 50% max. CP
- Beam Diam. Pattern of light at Beam Angle

MULTIPLE UNITS

Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 3' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.

Delivered Illuminance Rating (DIR®):
System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.

- To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio):
 $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$
- To estimate Sq. Ft. per fixture for a specific target FC:
 $\text{Sq. Ft. / Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$



- To estimate Fixture Quantity in a room:
 $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$
- To estimate Watts/Sq. Ft.:
 $W/ \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$