

# SPIN PENDANTS

Designed in collaboration with Elkus Manfredi Architects.



**SN32**  
AK - Gun Metal  
FCI - Match Exterior Finish

**SN12**  
WN - Woodland  
FCI - Match Exterior Finish

**SN24**  
AS - Pearl  
FCI - Match Exterior Finish

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS <sup>1</sup>	SYSTEM WATTS	LPW
SN12 10L	1128	14.5	78
SN12 20L	2146	26.7	75
SN24 10L	1090	9.6	114
SN24 20L	2044	19.4	105
SN24 30L	3105	30.7	101
SN32 10L	1022	8.7	117
SN32 20L	2036	18.4	111
SN32 30L	2982	27.8	107

<sup>1</sup> Nominal Delivered Lumens at 30HK xx xxx xx MWI

## PRODUCT SELECTOR GUIDE

SERIES	LUMENS <sup>2</sup>	CCT	DRIVER / VOLTAGE	MOUNTING	EXTERIOR	INTERIOR

EXAMPLE

<b>SN32</b>	10L	30HK	DO	CM60	TW	FCI
-------------	-----	------	----	------	----	-----

SERIES	LUMENS <sup>2</sup>	CCT	DRIVER / VOLTAGE	MOUNTING	EXTERIOR FINISH <sup>3</sup>	INTERIOR FINISH <sup>3</sup>		
<b>SN12<sup>1</sup></b> <b>SN24</b> <b>SN32</b>	90 CRI		<b>DO</b> 1%, 0-10V, 120V/277V <b>D3</b> ELV / TRIAC, 120V <b>A2</b> 0.1%, 0-10V, eldoLED, 120V/277V <b>DA</b> 1%, DALI, 120V/277V	<b>CM</b> - Cord Mount <b>60"</b> <b>120"</b>	<b>TW</b> Textured White <b>TB</b> Textured Black <b>CC</b> Custom Color	<b>MWI</b> Matte White Interior <b>FCI</b> Match Exterior Finish <b>CCI</b> Custom Color Interior		
	<b>10L</b>	1000 Lm					<b>27HK</b>	2700K
	<b>20L</b>	2000 Lm					<b>30HK</b>	3000K
	<b>30L</b>	3000 Lm					<b>35HK</b>	3500K
<sup>1</sup> SN12 Not Available in 30L.								
<sup>2</sup> Nominal Delivered Lumens at 30HK								
<sup>3</sup> Reference color sheet located on product webpage for full list of available colors.								



# SPIN PENDANTS



## 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.
- Calculated Lensing**  
 Designed to "float" within the shade, Spin's highly efficient, seamless diffuser casts soft-edge white light for uniform illumination and excellent visual comfort from every viewing angle.
- Performance**  
 Available with an initial light output of more than 3000 delivered lumens and greater than 100 lumens per watt efficacy, Spin sets a new standard for performance for decorative luminaires.

## DIMMING COMPATIBILITY

DO (120-277V 0-10V)	
MANUFACTURER	PART NUMBERS
Lutron	Nova Series (part number NFTV)
	Divia Series (part number DVTV)
Leviton	IlumaTech Series (part number IP710-DL)

D3 (120V ELV & TRIAC DIMMING)	
MANUFACTURER	PART NUMBERS
Lutron	DVELV-303P
	SELV-303P
	DVCL-153P
	MAELV-600
LEVITON	IPE04
Cooper	DAL06P

A2 (0.1%, 0-10V, ELDOLED, 120V/277V)	
MANUFACTURER	PART NUMBERS
Busch-Jaeger	2112U-101
Jung	240-10
Leviton	IP710-DLZ
Lightolier Controls	ZP600FAM120
Lutron Controls	Nova T - NTFTV
	Nova - NFTV
	Divia - DVTV
	GraphicEye - GRX-TVI w GRX3503
	Energy Star Node - QSN-4T16-S
Merten	TVM2 Module
Merten	5729
Pass & Seymour	CD4FB-W
The Watt Stopper	DCLC1

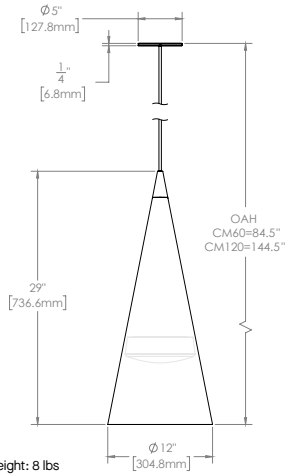
DA (1%, DALI, 120V/277V)	
LED driver is compatible with DALI-2 Device type 6	

# SPIN PENDANTS



## HOUSING DIMENSIONS

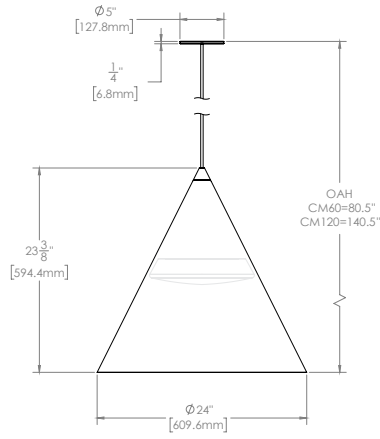
**SN12**



Fixture Weight: 8 lbs



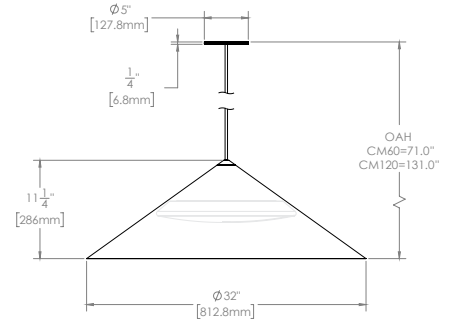
**SN24**



Fixture Weight: 9 lbs



**SN32**



Fixture Weight: 13 lbs



# SPIN PENDANTS



## SN12 20L 30HK xx xx xx MWI

CANDLEPOWER CURVE TEST SP-01607_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° 135 6%	5.5'	47 fc	7.8'	13 fc	10'	4'	64	0.91	53	0.91
	0°	0° - 20° 499 23%	6.5'	34 fc	9.2'	9 fc	12'	6'	48	0.68	57	0.98
	5°	0° - 30° 986 46%	7.5'	25 fc	10.6'	7 fc	14'	8'	28	0.40	33	0.57
	15°	0° - 40° 1437 67%	8.5'	20 fc	12.0'	5 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 1947 91%	10.0'	14 fc	14.2'	4 fc	71 FC per W/Sq. Ft. 59 FC per W/Sq. Ft.					
	35°	0° - 80° 2126 99%	12.0'	10 fc	17.0'	3 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°	0° - 90° 2137 100%	14.0'	7 fc	19.8'	2 fc						
	55°	90° 1	16.0'	6 fc	22.7'	2 fc						
	90°	Total 2146 100%										
	Delivered Lumens: 2146 Luminaire Watts: 28.7 LER: 74.77		CP at 0° (Nadir): 1427		Beam Angle: 71° Spacing Ratio: 1.01 Melanopic Ratio 0.48		Lumen Multiplier: 10L x .53 CCT Multiplier: 27HK x 0.99, 35HK x 1.01					

## SN24 30L 30HK xx xx xx MWI

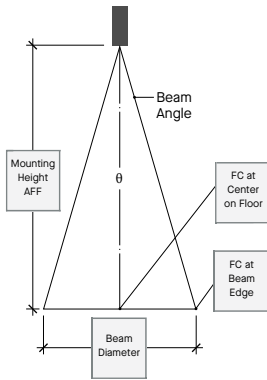
CANDLEPOWER CURVE TEST SP-01611_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT					
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 10° 176 6%	5.5'	61 fc	9.7'	14 fc	10'	4'	93	0.97	77	0.97
	0°	0° - 20° 648 21%	6.5'	44 fc	11.4'	10 fc	12'	6'	70	0.73	58	0.73
	5°	0° - 30° 1309 42%	7.5'	33 fc	13.2'	8 fc	14'	8'	41	0.42	48	0.61
	15°	0° - 40° 2031 65%	8.5'	26 fc	15.0'	6 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 2899 93%	10.0'	19 fc	17.6'	4 fc	96 FC per W/Sq. Ft. 79 FC per W/Sq. Ft.					
	35°	0° - 80° 3085 99%	12.0'	13 fc	21.1'	3 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°	0° - 90° 3096 100%	14.0'	9 fc	24.6'	2 fc						
	55°	90° 2	16.0'	7 fc	28.2'	2 fc						
	90°	Total 3105 100%										
	Delivered Lumens: 3105 Luminaire Watts: 30.7 LER: 101.14		CP at 0° (Nadir): 1854		Beam Angle: 83° Spacing Ratio: 1.03 Melanopic Ratio 0.48		Lumen Multiplier: 20L x .66, 10L x .35 CCT Multiplier: 27HK x 0.99, 35HK x 1.01					

## SN32 30L 30HK xx xx xx MWI

CANDLEPOWER CURVE TEST SP-01614_2	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° 97 3%	5.5'	33 fc	19.1'	2 fc	10'	6'	48	0.49	66	0.88
	0°	0° - 20° 374 13%	6.5'	24 fc	22.6'	1 fc	12'	8'	41	0.42	32	0.42
	5°	0° - 30° 803 27%	7.5'	18 fc	26.0'	1 fc	14'	10'	24	0.25	18	0.25
	15°	0° - 40° 1343 45%	8.5'	14 fc	29.5'	1 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 2470 83%	10.0'	10 fc	34.7'	1 fc	96 FC per W/Sq. Ft. 75 FC per W/Sq. Ft.					
	35°	0° - 80° 2966 99%	12.0'	7 fc	41.7'	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°	0° - 90° 2972 100%	14.0'	5 fc	48.6'	0 fc						
	55°	90° 1	16.0'	4 fc	55.5'	0 fc						
	90°	Total 2982 100%										
	Delivered Lumens: 2982 Luminaire Watts: 27.8 LER: 107.27		CP at 0° (Nadir): 1008		Beam Angle: 120° Spacing Ratio: 1.34 Melanopic Ratio 0.49		Lumen Multiplier: 20L x .68, 10L x .34 CCT Multiplier: 27HK x 0.99, 35HK x 1.01					

## 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.

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

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

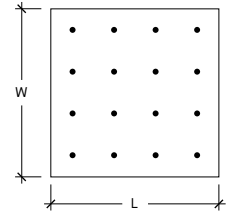
- CP Candela at 0° (Nadir)
- Cos θ Cosine of θ Angle
- D Distance (Mounting Height AFF)
- FC<sub>H</sub> Footcandles, Horizontal
- Beam Angle Cone of light to 50% max. CP
- Beam Diam. Pattern of light at Beam Angle

### 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 = Chart Spacing<sup>2</sup> ÷ Different Spacing<sup>2</sup> x Chart FC
- To estimate Sq. Ft. per fixture for a specific target FC:  
Sq. Ft. / Fixture = Chart FC x Chart Spacing<sup>2</sup> ÷ Target FC



- To estimate Fixture Quantity in a room:  
Fixture Qty. = Sq. Ft. of Rm. ÷ Sq. Ft. per fixture
- To estimate Watts/Sq. Ft.:  
W/ Sq. Ft. = Luminaire Watts x Qty. ÷ Sq. Ft. of Rm.