

VESTA 1

PENDANT



Vesta 1 - Pendant Linear LED system. Part of the Vesta collection, the Vesta 1 Pendant Linear LED system offers performance, flexibility and aesthetics. A unique SENSO design, the subtly flared Vesta 1 features a symmetrical, high-performance frosted lens, illuminating the lens surface evenly with no shadows or dark spots. With integrated drivers and controls, this fixture is easy to install and widely applicable. Vesta 1 offers both direct and indirect lighting options, allowing you to switch on the light sources independently or in unison.

Full-length seamless lenses range from 4 to 12 feet. Available in L-, T- and X-shaped nodes, the Vesta 1 system can readily adapt to any configuration.

Ordering Code



Product Specifications

SAMPLE : 355 - 90 - 6 - 35 - FB - 02 - 06 - 04 - LUTES - 277 - 02 - 112 - 05

1 - Model	2 - CRI	3 - Length	4 - CCT	5 - Lens	6 - Finish	7 - Direct Lm
354 · Indirect	90 · 90+	2 · 23"	27 · 2700K	<i>Down</i>	01 · White	04 · 400 lm/ft (3.8 W)
355 · Direct		4 · 45.5"	30 · 3000K	F · Frosted Symmetric	02 · Black	06 · 566 lm/ft (5.7 W)
356 · Direct/Indirect		6 · 68"	35 · 3500K	A · Asymmetric ^{*3}	08 · Silver	08 · 843 lm/ft (9.4 W)
		8 · 90.5"	40 · 4000K	0 · None	XX · Custom	10 · 1034 lm/ft (12 W)
	10 · 113"		<i>Up</i>		12 · 1220 lm/ft (15 W)	
		12 · 135.5"		F · Frosted Symmetric		12 · 1220 lm/ft (15 W)
		A-T · More Lengths ^{*1}		A · Asymmetric ^{*3}		00 · None
		XX · System ^{*2}		B · Batwing		
				0 · None		

8 - Indirect Lm	9 - Driver	Dim Level	Dim Level	10 - Voltage	11 ^{*9} - LED Control
04 · 454 lm/ft (3.9 W)	STD/LCS · 0 - 10 Volt dim option incl.	1%	LUT5S · 5 Series Eco System	120 · 120V	01 · Standard switching
06 · 628 lm/ft (5.6 W)	ELDOLC · EldoLED 0 - 10 Volt	0.1%	DMX · SENSO	277 · 277V	02 · Separate switching
08 · 788 lm/ft (7.4 W)	DALI · Dali Protocol	0.1%	ODHS · Occupancy & Daylight	347 · 347V ^{*8}	20 · Emergency wiring
00 · None	LUTES · Hilume Ecodigital	1%	Harvesting Sensor ^{*5/6/7}		21 · Emergency Battery Back-Up (4 foot section)
	LUT2W · 2 Wire for phase ^{*4}	1%	CSMB · Casambi Wireless Control		

12 ^{*9} - Canopy Type	12 - Canopy Color	12 - Wire Color	13 - Suspension Height
1 · Standard Round	1 · White	1 · White	05 · 5'
2 · Unified Square	2 · Black	2 · Black	08 · 8'
3 · Unified Round	8 · Silver	3 · Clear	10 · 10'
			XX · Custom

Project : _____
Quantity : _____
Type : _____
Notes : _____

*1 See page four for more detailed lengths

*2 See page two for more details

*3 Asymmetric Direct Lumen limited to **04/06/08** (wattages doubled)

*4 120V only

*5 Adds 3.75" to fixture length

*6 See Vesta Sensor spec sheet for additional information

*7 1 sensor per 16' on model 354 and 355

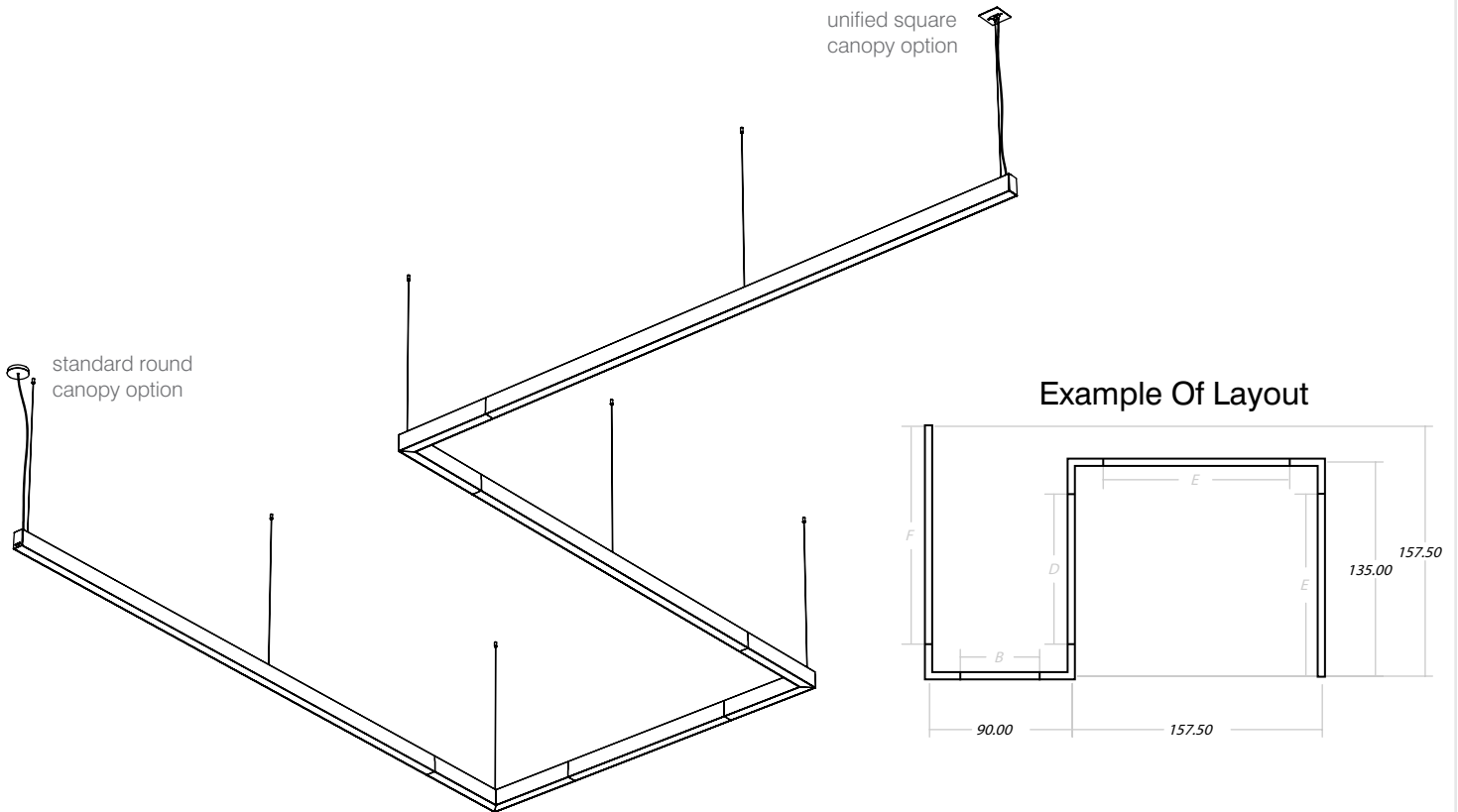
1 sensor per 8' on model 356

*8 Not available in Dali, Lutron and DMX

*9 See page three for more details

Continuous Layout Using Corners Only

The Vesta 1 system is not limited to straight runs. Available L nodes, used in association with linear sections, provide freedom to create seamless configurations. Linear sections are available in 22.5inch increment.



How To Specify

1. Draw your layout, as seen from bottom, considering:
 - Drawings are made using center axis as reference
 - Minimum 45inch between contiguous corners
 - 22.5inch increment
2. Provide the following information
 - Total number of corners
 - Total length
 - Drawing

Using example:

corners = 3

Total length = $157.5 + 90 + 135 + 157.5 = 540$ inch

Extra Information

Suspension points

- Suspension point at end always 2.75inch from end ,excluding cap
- There is always a suspension point at corner
- For a general guideline of the number of suspension points for each straight section, refer to p.5

Feed point

- Defined by the number of drivers required. Refer to p.4 for an approximation of the number of feed required. Use the total length of your system, and use the corresponding number, depending if it's direct, direct-indirect standard switching or direct-indirect separate switching.

Advanced Intersecting System Using T & X Nodes

For advanced configurations, contact the SENSO factory to complete your system.



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Light Engine

- High Efficacy :** Up to 170 lumen/Watt
- Color Options (CCT) :** 2700K, 3000K, 3500K, 4000K
- Color Consistency :** 3-step MacAdam Ellipse
- Color Rendering (CRI) :** 90+
- Lumen Maintenance :** 100,000 hours (L-70 @ 25°C)

Vesta 1 features a high-output, high-efficacy light engine—without any compromise. Class-leading efficiency at over 100lm/W keeps running costs low. Color rendering options are available up to 90+ CRI, along with color consistency within a three-step MacAdam ellipse. Every Vesta undergoes a multi-step test and burn-in procedure before shipping, ensuring the superior level of quality SENSO is known for.

Dimming^{*1}

- Protocol :** 0-10V
DALI
LUTRON
DMX

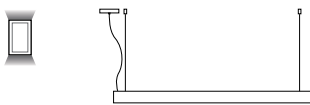
- Level :** From 0.1% to 10%

The Vesta combines high output with limitless possibilities of control. Dimming down to 0.1% is also available in Lutron (120-277V) and Dali systems (120-277V).

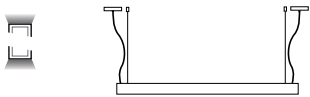
Switching

(For Direct / Indirect Configuration)

- 1. Standard switching**
Single point feed required



- 2. Direct/indirect separate switching**
Dual point feed required for separate switching and emergency



*1 See page 1 for full dimming options

Canopy

- Standard canopy separate from aircraft cable for flexible feed point
- Unified canopy combines feed and aircraft cable
- Fully covers standard electrical box

- 1. Round Canopy**
Ø4.7" [120mm]
- 2. Unified Square Canopy**
4.6" x 4.6" [117mm x 117mm]



- 3. Unified Round Canopy**
Ø4.35" [110.5mm]



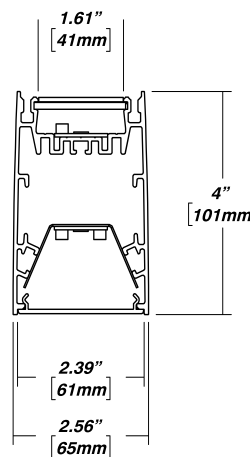
Installation

- Suspended using aircraft cable. Fully height adjustable
- Factory assembled for easy and fast installation
- Electrical wire and aircraft cable included

Construction

- Powder coated in white, black or silver
- Custom finish are available
- Housing: Aluminum extrusion
- Made in Canada

Dimensions

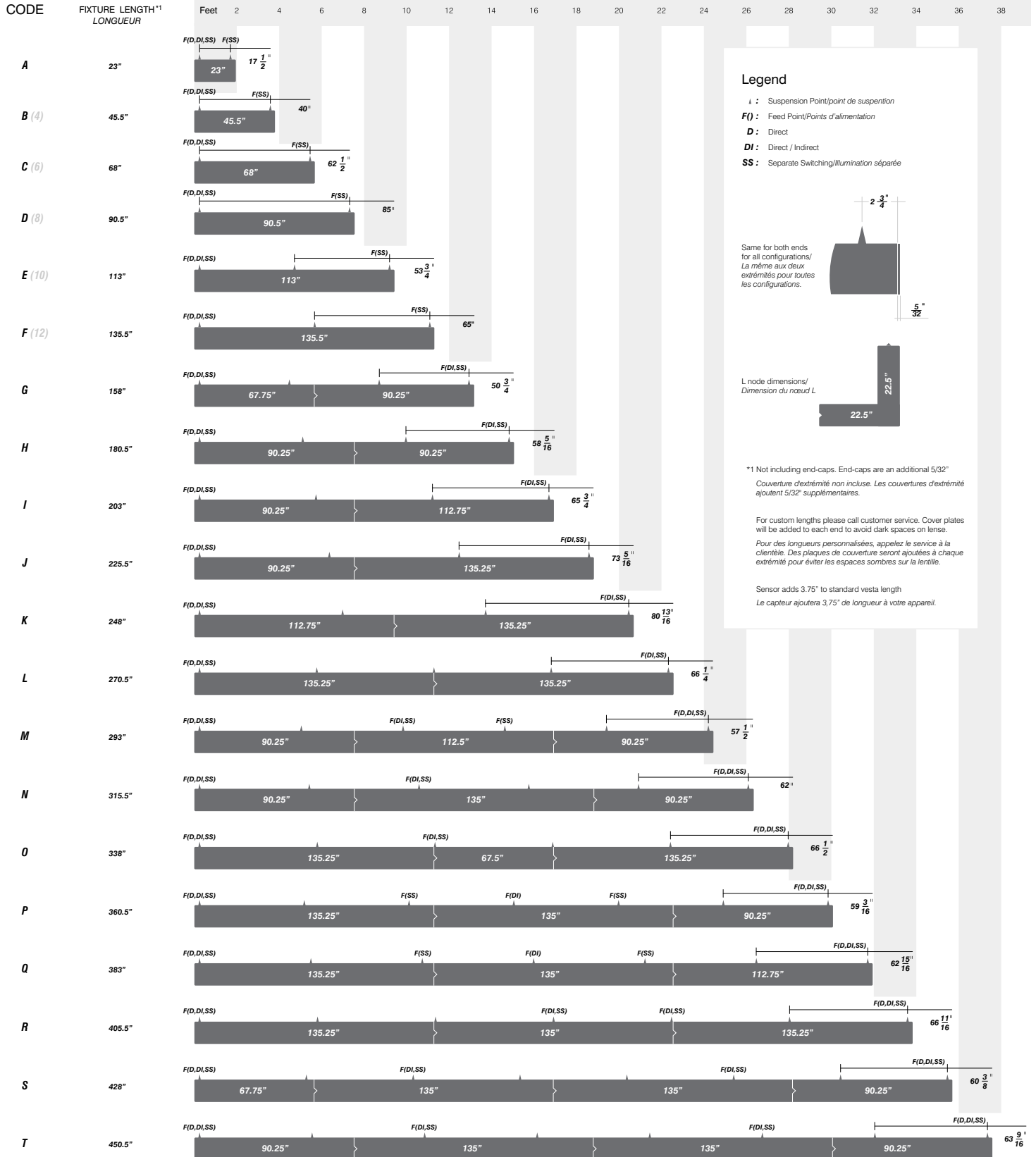


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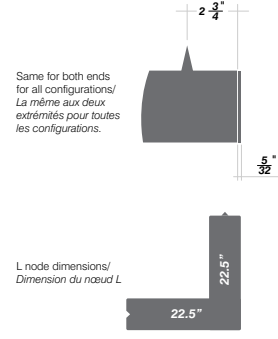


Standard Vesta Lengths



Legend

- ⋮ : Suspension Point/point de suspension
- F() : Feed Point/Points d'alimentation
- D : Direct
- DI : Direct / Indirect
- SS : Separate Switching/Illumination séparée



*1 Not including end-caps. End-caps are an additional 5/32"
Couverture d'extrémité non incluse. Les couvertures d'extrémité ajoutent 5/32" supplémentaires.

For custom lengths please call customer service. Cover plates will be added to each end to avoid dark spaces on lens.
Pour des longueurs personnalisées, appelez le service à la clientèle. Des plaques de couverture seront ajoutées à chaque extrémité pour éviter les espaces sombres sur la lentille.

Sensor adds 3.75" to standard vesta length
Le capteur ajoutera 3,75" de longueur à votre appareil.

Photometrics

SENSO's in-house photometric testing ensures that our lighting design can match your needs precisely. Our Goniophotometer and testing lab produces on-demand photometry files based on any specified fixture, including LM-79 Test reports, IES Files, and CRI/CCT measurements. See sensolighting.com for more information.

*Full photometric Reports and IES files available for every configuration

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	528.37	15.50
0-30	1085.53	31.90
0-40	1709.34	50.30
0-60	2806.23	82.60
0-80	3352.15	98.60
0-90	3398.12	100.00
10-90	3258.52	95.90
20-40	1180.97	34.70
20-50	1777.92	52.30
40-70	1453.16	42.80
60-80	545.92	16.10
70-80	189.65	5.60
80-90	45.97	1.40
90-110	0.56	0.00
90-120	0.57	0.00
90-130	0.57	0.00
90-150	0.57	0.00
90-180	0.57	0.00
110-180	0.01	0.00
0-180	3398.69	100.00

Luminance DATA (cd/sq.m)

Angle in °	Average 0°	Average 45°	Average 90°
45	1633	17494	18653
55	14387	15594	16807
65	12589	13662	14754
75	10484	11188	11811
85	7096	6899	6301

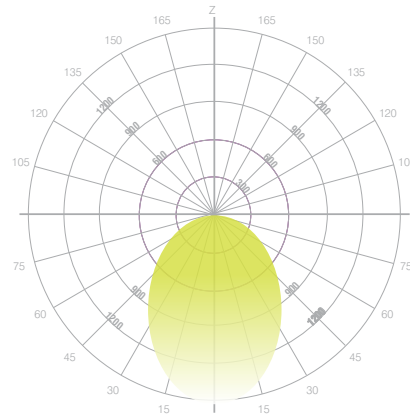
IES Indoor Report

Coefficients of utilization - zonal cavity method

Effective Floor Cavity Reflectance 0.20

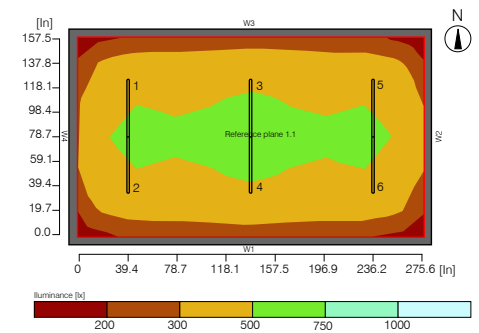
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85	85	85	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72	72	72	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64	62	62	62	62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53	53	53	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47	47	47	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	44	53	48	43	41	41	41	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37	37	37	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30	30	30	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27	27	27	27

Vesta Light Distribution



- Fixture: Vesta 48" [121.92 cm]
- Total Lumen Output: 3399 lm
- Wattage: 45 W
- Lumen per Watt: 75

Vesta Performance Example



- Calculation algorithm used Average indirect fraction
- Height of luminaire plane 118.11" [3.00 m]
- Maintenance factor 31.5" [0.80 m]
- Total luminous flux of all lamps 20358 lm
- Total power 270.0 W
- Total power per area (28.00 m²) 9.64 W/m² (2.26 W/m²/100lx)

Color Metrics

TM 30-15

Our clients deserve the best information possible about their lighting choices. That's why SENSO has invested in the Illuminating Engineering Society (IES) TM 30-15, a new system that measures an LED light source's color rendering properties. Using SENSO's state-of-the-art goniophotometer, this method identifies the optimal light source for your project and helps evaluate the trade-offs between efficacy and color rendering. SENSO can provide TM 30-15 data for all of our products.

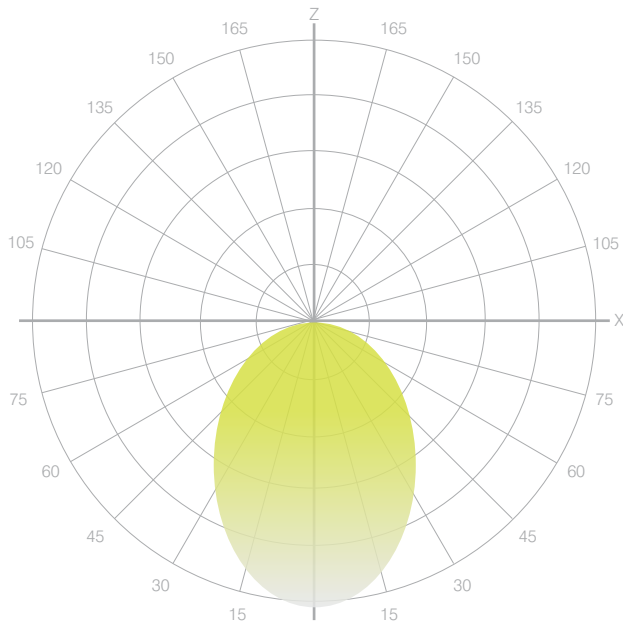
*Full Color Metric Info Available at sensolighting.com

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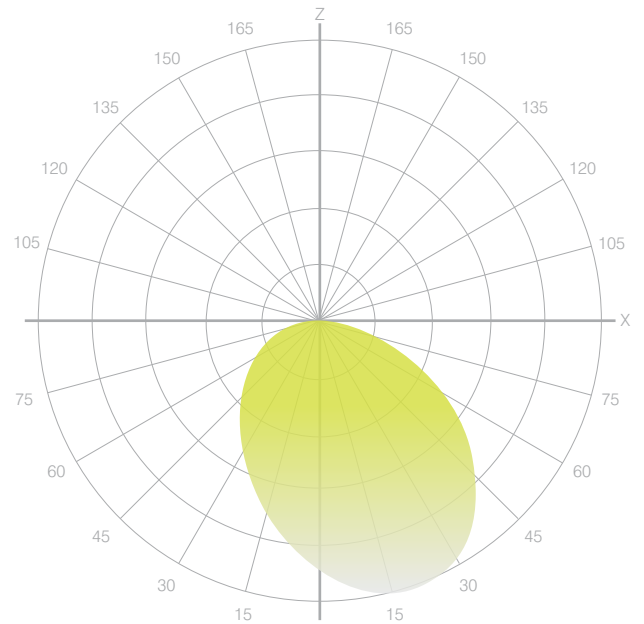
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Vesta 1 Downlight Distribution

Standard

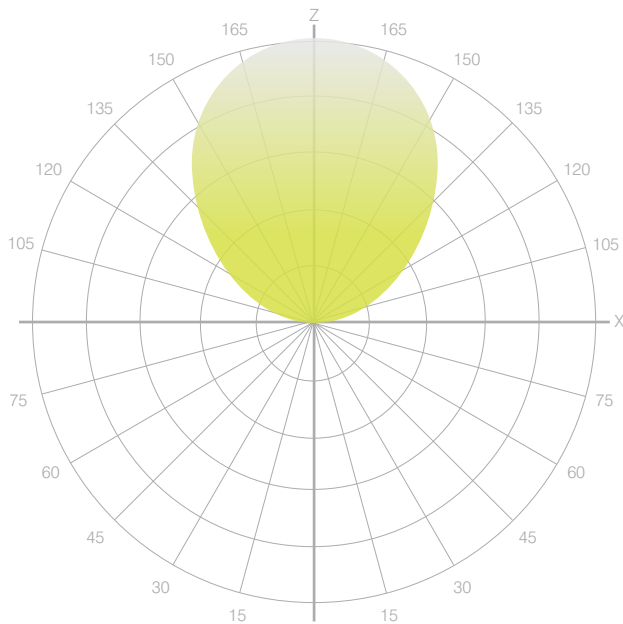


Asymmetric



Vesta 1 Uplight Distribution

Standard



Batwing

