Somari Stack Overview

Specifications

LIGHTING	Integrated LED light source offering high efficacy. Color consistency of 3 SDCM. See additional information summarizing lumen distribution, wattage, and efficacy on following pages. Tunable white option available.
LUMEN MAINTENANCE	Reported TM-21 Lifetimes L90(17k) = 52,600 hours L80(17k) > 102,000 hours L70(17k) > 102,000 hours
CONSTRUCTION	PETG PVC free power cord
PHOTOMETRICS	Consult factory or website for IES files for performance light core, tested in accordance with IESNA LM79.
HARDWARE	TGIC-free powder coat. Adjustable hanging height. Made with RoHS compliant parts.
MOUNTING	Hung from a single, fully-adjustable, stainless steel aircraft cable. Contact LightArt for lengths over 20ft.
ELECTRICAL	120–277V constant current, dimming driver standard. Can be wired dimming or non-dimming. 0–10v dimming input with a range of 1%–100%. Dim-to-Off standard. Driver can be accessed from the fixture. Power factor of > .95. Total Harmonic Distortion (THD) of < 20%.
CLEANING & CARE	Lightly dust with CO2 canister or swiffer type duster
CERTIFICATIONS	Luminaire is CSA listed conforming to UL Standard 1598 in the U.S. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location Rated. All electronic components are RoHS compliant, and the mechanical components of the luminaire have been verified to meet RoHS Directive 2002/95/EC.
WARRANTY	5 year warranty on all standard components. Recommended ambient operating temperature 30°C.

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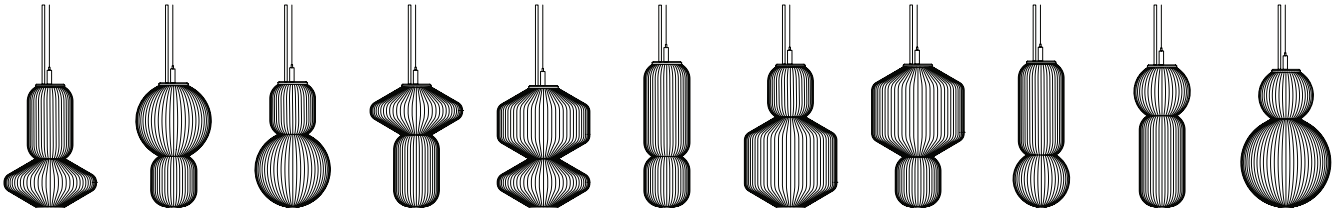
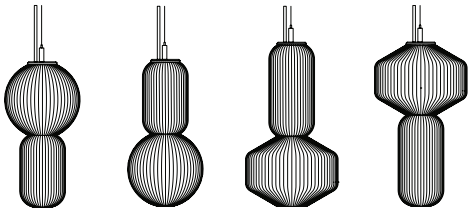
Somari Stack Fixture Options

DIMENSIONS

2 SHAPE CONFIGURATIONS

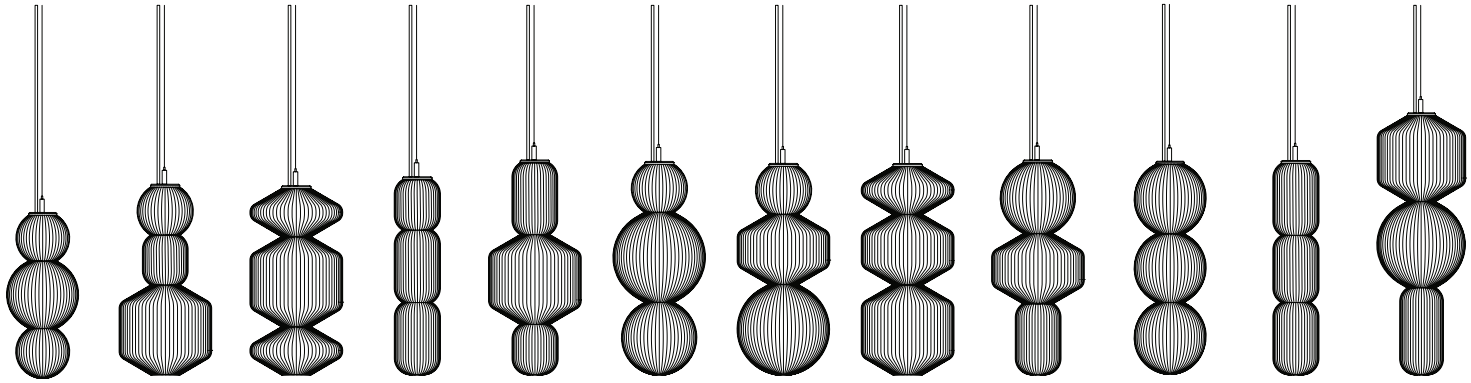


2A 12.6”H×10”D | 2B 12.6”H×8”D | 2C 12.6”H×8”D | 2P 12.6”H×10”D | 2E 12.6”H×10”D | 2F 14.7”H×5”D | 2G 14.7”H×10”D | 2H 14.7”H×10”D | 2I 14.7”H×6”D | 2J 14.7”H×6”D | 2K 14.7”H×10”D



2L 14.7”H×8”D | 2M 14.7”H×8”D | 2N 17.5”H×10”D | 2O 17.5”H×10”D

3 SHAPE CONFIGURATIONS



3A 17.7”H×8”D | 3B 19.8”H×10”D | 3C 19.8”H×10”D | 3M 20”H×5”D | 3E 22”H×10”D | 3F 22”H×10”D | 3G 22”H×10”D | 3H 22”H×10”D | 3I 22.4”H×10”D | 3J 22.4”H×8”D | 3K 22.4”H×5”D | 3L 28.7”H×10”D

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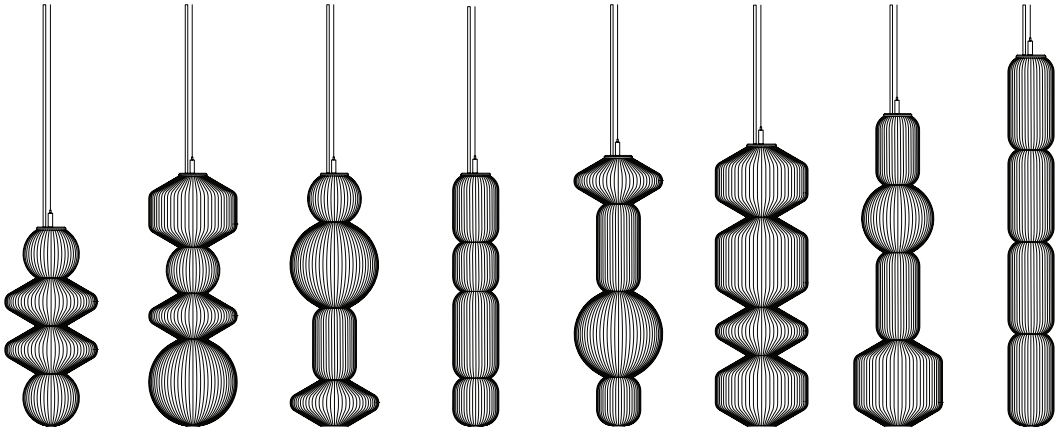
Somari Stack Fixture Options

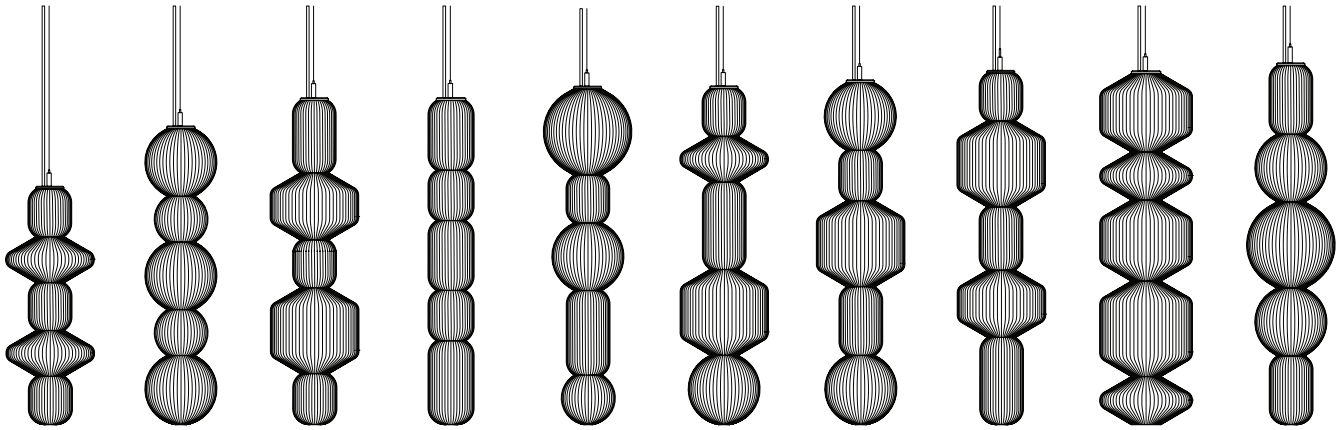
DIMENSIONS

4 SHAPE CONFIGURATIONS

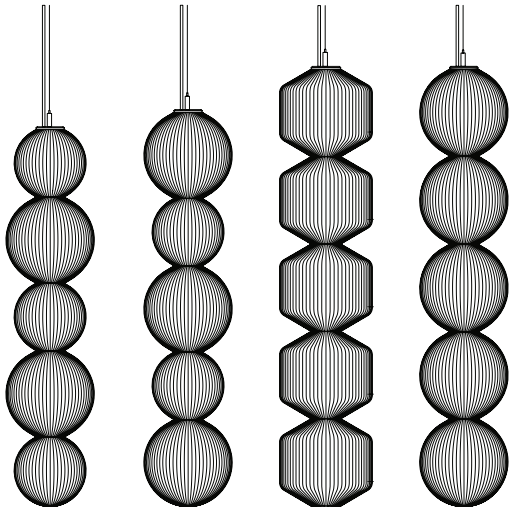


4A	4B	4C	4D	4E	4F	4G	4I
20.5”H×10”D	27.3”H×10”D	27.3”H×10”D	27.3”H×5”D	29.4”H×10”D	29.6”H×10”D	34”H×10”D	38.3”H×5”D

5 SHAPE CONFIGURATIONS



5A	5B	5C	5D	5E	5F	5G	5O	5I	5J
25.6”H×10”D	32.7”H×8”D	34.8”H×10”D	34.8”H×5”D	36.8”H×10”D	36.8”H×10”D	37”H×10”D	39.2”H×10”D	39.2”H×10”D	39.5”H×10”D



5K	5L	5M	5N
41.5”H×10”D	43.6”H×10”D	47.8”H×10”D	47.8”H×10”D

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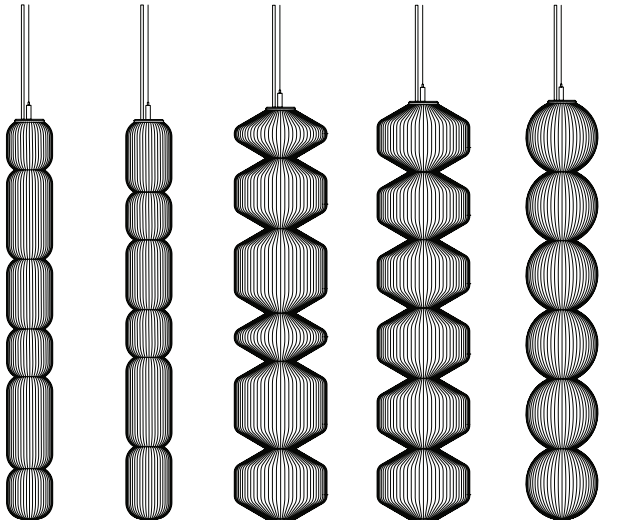
Somari Stack Fixture Options

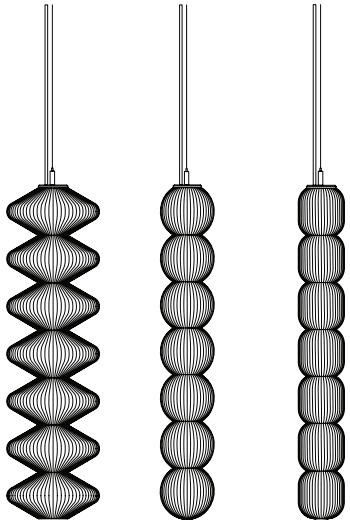
DIMENSIONS

6 SHAPE CONFIGURATIONS



6A 42”H×5”D | 6B 42”H×5”D | 6C 44.3”H×10”D | 6F 44.8”H×10”D | 6E 44.8”H×8”D

7 SHAPE CONFIGURATIONS



7A 35.8”H×10”D | 7B 35.8”H×6”D | 7C 35.8”H×5”D

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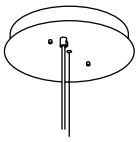
Somari Stack Fixture Options

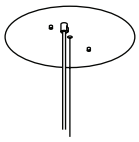
CEILING CONNECTIONS

STANDARD CANOPY

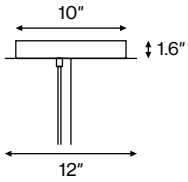
For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5"



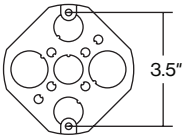
SURFACE MOUNTED



RECESSED



4" OCTAGONAL JUNCTION BOX (BY OTHERS)



Required for powered units; optional for unlit units

CANOPY/DRESS PLATE FINISH OPTIONS

BLACK

WHITE

COLOR OPTIONS

TRANSLUCENT COLORS

HALO

SAIL

CLOVER

ROSA

SIENNA

LOOM

OPAQUE COLOR

SHIRO

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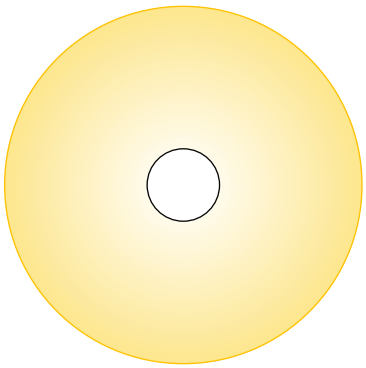
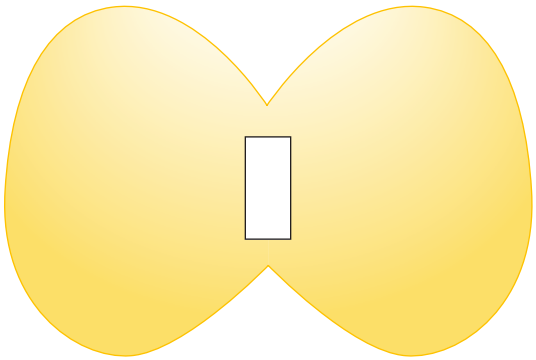
LIGHT DISTRIBUTION OPTIONS
Consult factory or lightart.com for IES files, tested in accordance with IESNA LM79



TOP VIEW



SIDE VIEW

LIGHT DISTRIBUTION
Based on measurement data

COLOR TEMPERATURE/CRI	MULTIPLIER
2700K / 90	0.93
3000K / 90	097
3500K / 90	1.00
4000K / 90	1.03

MATERIAL	MULTIPLIER
HALO	1.00
SHIRO	0.50
CLOVER	0.65
SAIL	0.80
ROSA	0.90
SIENNA	0.80
LOOM	0.65

OUTPUT MULTIPLIERS INSTRUCTIONS

Adjusted Value = $L_n \times C_m \times S_c$ *where:*

L_n = *(Nominal Lumen output at 3500K / 90 CRI) ×*
C_m = *(Color Temp. / CRI Multiplier) ×*
S_c = *(Shade Color Multiplier)*

Example:
2A Nominal / 4000k / 90CRI / Shiro
1367LM × 1.03× 0.2 = 282LM approximate fixture output

PERFORMANCE – SOMARI TWO SHAPE CONFIGURATIONS
**Based on 3500K 90CRI Halo Shade Color*

STYLE	INPUT POWER (W)	NOMINAL LUMEN OUTPUT (LM)	EFFICACY (LM/W)
2A	10.80	956	88.40
2B	10.80	956	88.40
2C	10.80	956	88.40
2P	10.80	956	88.40
2E	10.80	956	88.40
2F	13.40	1188	88.60
2G	13.40	1188	88.60

STYLE	INPUT POWER (W)	NOMINAL LUMEN OUTPUT (LM)	EFFICACY (LM/W)
2H	13.40	1188	88.60
2I	13.40	1188	88.60
2J	13.40	1188	88.60
2K	13.40	1188	88.60
2L	13.40	1188	88.60
2M	13.40	1188	88.60
2N	15.50	1434	92.30
2O	15.50	1434	92.30

**Calculated on theorectical averages derived from 3L and 7C photometric simulations*

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Somari Stack

PERFORMANCE – SOMARI THREE SHAPE CONFIGURATIONS
**Based on 3500K 90CRI Halo Shade Color*

STYLE	INPUT POWER (W)	NOMINAL LUMEN OUTPUT (LM)	EFFICACY (LM/W)
3A	16.60	1536	92.60
3B	18.60	1738	93.50
3C	18.60	1738	93.50
3M	18.60	1738	93.50
3E	21.20	1944	91.80
3F	21.20	1944	91.80
3G	21.20	1944	91.80
3H	21.20	1944	91.80
3I	21.20	2043	96.50
3J	21.20	2043	96.50
3K	21.20	2043	96.50
3L	27.90	2739	98.20

PERFORMANCE – SOMARI FOUR SHAPE CONFIGURATIONS
**Based on 3500K 90CRI Halo Shade Color*

STYLE	INPUT POWER (W)	NOMINAL LUMEN OUTPUT (LM)	EFFICACY (LM/W)
4A	19.20	1805	94.10
4B	26.40	2500	94.90
4C	26.40	2500	94.90
4D	26.40	2500	94.90
4E	28.50	2700	94.80
4F	28.90	2700	93.30
4G	33.10	3100	93.80
4I	37.80	3500	92.70

PERFORMANCE – SOMARI FIVE SHAPE CONFIGURATIONS
**Based on 3500K 90CRI Halo Shade Color*

STYLE	INPUT POWER (W)	NOMINAL LUMEN OUTPUT (LM)	EFFICACY (LM/W)
5A	24.20	2300	94.90
5B	32.00	3000	93.80
5C	34.10	3200	93.80
5D	34.10	3200	93.80
5E	36.10	3400	94.10
5F	36.10	3400	94.10
5G	36.10	3400	94.10
5O	38.70	3600	93.00
5I	38.70	3600	93.00
5J	38.70	3700	95.60
5K	40.80	3900	95.50
5L	43.40	4100	94.40
5M	47.50	4500	94.70
5N	47.50	4500	94.70

PERFORMANCE – SOMARI SIX SHAPE CONFIGURATIONS
**Based on 3500K 90CRI Halo Shade Color*

STYLE	INPUT POWER (W)	NOMINAL LUMEN OUTPUT (LM)	EFFICACY (LM/W)
6A	41.30	3900	94.50
6B	41.80	3900	93.40
6C	43.90	4200	95.70
6F	44.40	4200	94.70
6E	44.40	4200	94.70

PERFORMANCE – SOMARI SEVEN SHAPE CONFIGURATIONS
**Based on 3500K 90CRI Halo Shade Color*

STYLE	INPUT POWER (W)	NOMINAL LUMEN OUTPUT (LM)	EFFICACY (LM/W)
7A	35.20	3300	93.80
7B	35.20	3300	93.80
7C	35.20	3229	91.80

**Calculated on theoretical averages derived from 2A, 3A, 3I, 3L and 7C photometric simulations*

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Somari Stack Part Number Specification

SPECIFICATION CODE *Example: 2 QTY COL-SOM-STACK-4C-CV-WHT-STD-927CK-LV01-WPC-WH*

☐ COL-SOM-STACK-☐-☐-☐-☐-☐-☐-☐-☐

QTY. ❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽

Complete form to order Somari Stack fixture(s). For each number, make one selection and enter in the corresponding box above.
**Indicates modified choices; additional lead times, cost, and limited lumen outputs may apply.*

❶ SHAPE

☐ 2A	2A	☐ 3A	3A	☐ 4A	4A	☐ 5A	5A	☐ 6A	6A
☐ 2B	2B	☐ 3B	3B	☐ 4B	4B	☐ 5B	5B	☐ 6B	6B
☐ 2C	2C	☐ 3C	3C	☐ 4C	4C	☐ 5C	5C	☐ 6C	6C
☐ 2P	2P	☐ 3M	3M	☐ 4D	4D	☐ 5D	5D	☐ 6F	6F
☐ 2E	2E	☐ 3E	3E	☐ 4E	4E	☐ 5E	5E	☐ 6E	6E
☐ 2F	2F	☐ 3F	3F	☐ 4F	4F	☐ 5F	5F		
☐ 2G	2G	☐ 3G	3G	☐ 4G	4G	☐ 5G	5G		
☐ 2H	2H	☐ 3H	3H	☐ 4H	4H	☐ 5O	5O	☐ 7A	7A
☐ 2I	2I	☐ 3I	3I			☐ 5I	5I	☐ 7B	7B
☐ 2J	2J	☐ 3J	3J			☐ 5J	5J	☐ 7C	7C
☐ 2K	2K	☐ 3K	3K			☐ 5K	5K		
☐ 2L	2L	☐ 3L	3L			☐ 5L	5L		
☐ 2M	2M					☐ 5M	5M		
☐ 2N	2N					☐ 5N	5N		
☐ 2O	2O								

❷ SHADE COLOR

☐ HL	HALO
☐ SL	SAIL
☐ CV	CLOVER
☐ RS	ROSA
☐ SI	SIENNA
☐ LM	LOOM
☐ SR	SHIRO

❸ SHADE CAP COLOR

☐ WHT	WHITE
☐ BLK	BLACK
☐ SCS	SAME COLOR AS SHADE

CONTINUE TO NEXT PAGE TO COMPLETE SPECIFICATION

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Somari Stack Part Number Specification

CONTINUE SPECIFICATION

4 SUSPENSION

☐ STD	12″ – 96″
☐ EXT	12″ – 240″

5 LED CRI / CCT

☐ 927CK	90 CRI / 2700K
☐ 930CK	90 CRI / 3000K
☐ 935CK	90 CRI / 3500K
☐ 940CK	90 CRI / 4000K
☐ TW	TUNABLE WHITE *Lumen output will be limited and vary based on style length; driver selection limited to LV01 and DALI*

6 DIMMING AND CONTROLS

☐ LV01	0–10V 1% DIMMING
☐ LEC*	HI-LUME 1% ECOSYSTEM LED DRIVER SOFT ON, FADE TO BLACK (LDE1 SERIES)
☐ DALI	DALI CONTROL

7 CANOPY OPTIONS

☐ WPC	WHITE
☐ BPC	BLACK
☐ RWPC	RECESSED WHITE
☐ RBPC	RECESSED BLACK

8 POWER CORD

☐ WH	WHITE
☐ BK	BLACK

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