



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<br>L90(17k) = 52,600 hours<br>L80(17k) > 102,000 hours<br>L70(17k) > 102,000 hours                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |
| CONSTRUCTION      | PETG<br>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 2(50L) or 3(72L and 98L) aircraft cables, 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.                                                                                                                                                                                                                                                                                      |



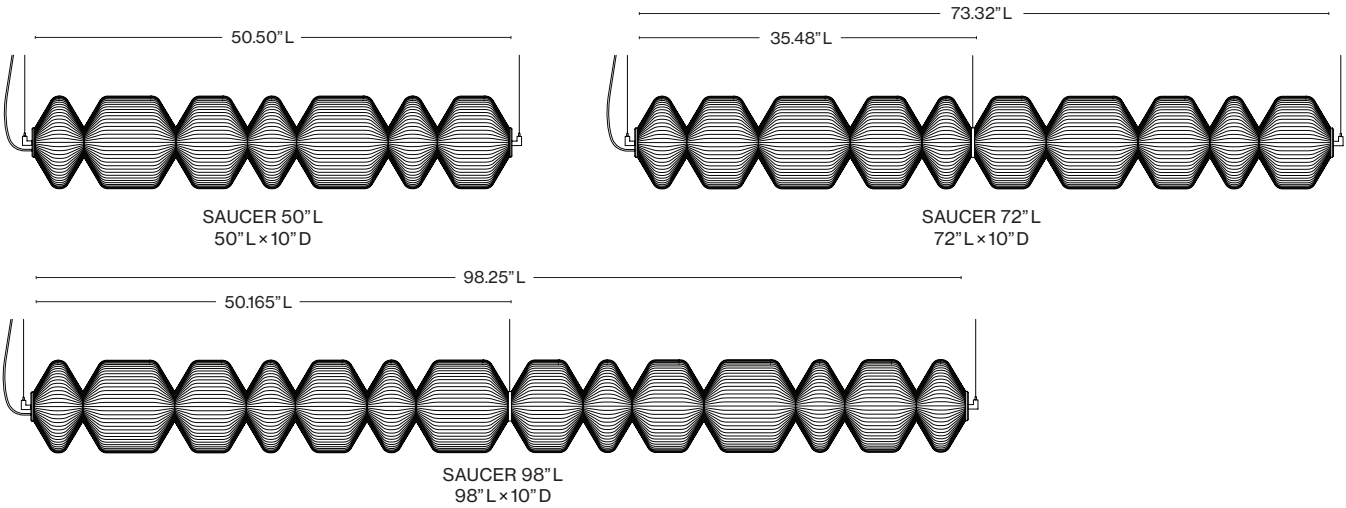
# Somari Horizontal

## Fixture Options

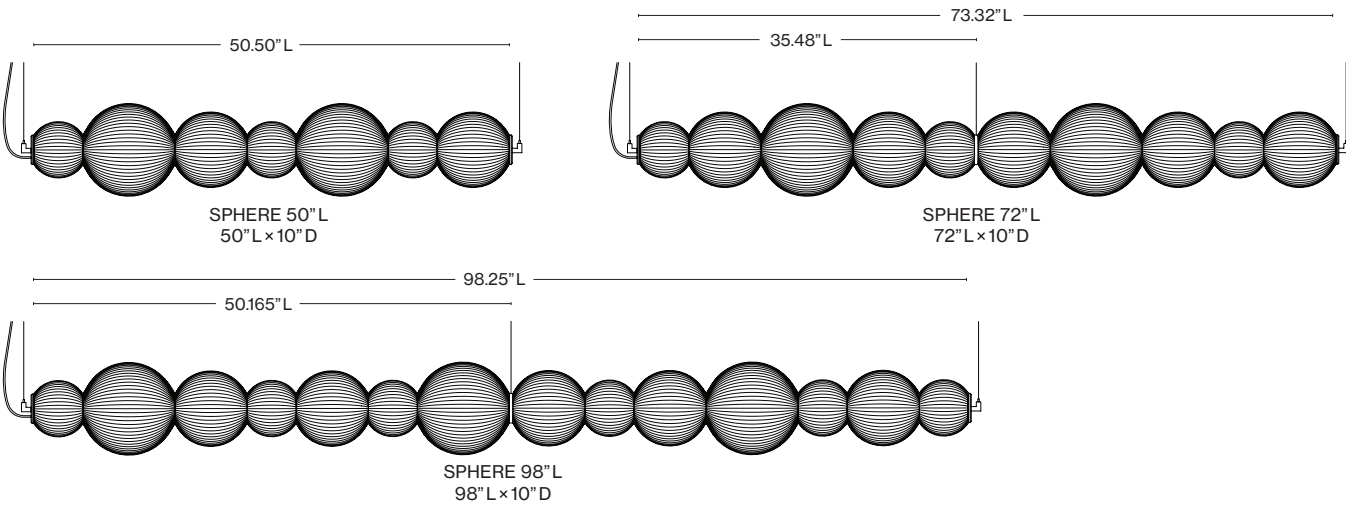
SOMARI COLLECTION

### DIMENSIONS

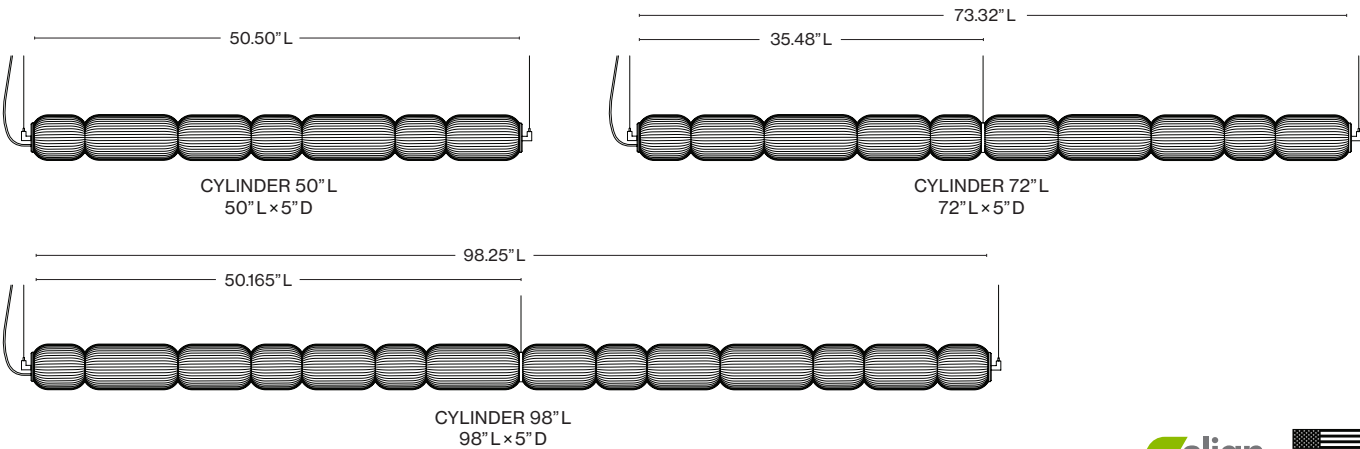
#### SAUCER



#### SPHERE



#### CYLINDER



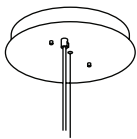
# Somari Horizontal

SOMARI COLLECTION

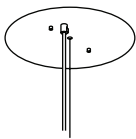
## CEILING CONNECTIONS

### STANDARY CANOPY

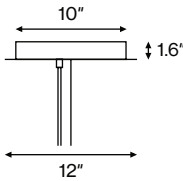
For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5"



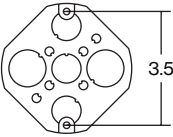
SURFACE MOUNTED



RECESSED



### 4" OCTAGONAL JUNCTION BOX (BY OTHERS)

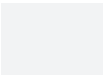


Required for powered units;  
optional for unlit units

### CANOPY / DRESS PLATE FINISH OPTIONS



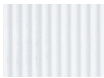
BLACK



WHITE

## COLOR OPTIONS

### TRANSLUCENT COLORS



HALO



SAIL



CLOVER



ROSA



SIENNA



LOOM

### OPAQUE COLOR



SHIRO

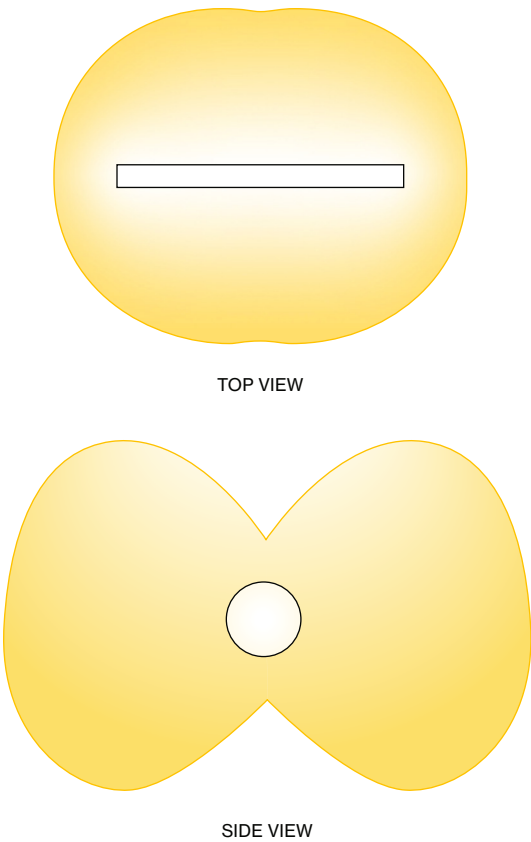
# Somari Horizontal

## Lighting Details

SOMARI COLLECTION

### LIGHT DISTRIBUTION OPTIONS

Consult factory or [lightart.com](http://lightart.com) for IES files, tested in accordance with IESNA LM79



### LIGHT DISTRIBUTION

Based on measurement data

| COLOR TEMPERATURE / CRI | MULTIPLIER |
|-------------------------|------------|
| 2700K / 90              | 0.93       |
| 3000K / 90              | 0.97       |
| 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:

CY50 Nominal / 4000k / 90CRI / Shiro

$6678\text{LM} \times 1.03 \times 0.2 = 1375\text{LM}$  approximate fixture output

### PERFORMANCE – SOMARI HORIZONTAL

\*Based on 3500K 90CRI Halo Shade Color

| STYLE | INPUT POWER (W) | NOMINAL LUMEN OUTPUT (LM) | EFFICACY (LM/W) |
|-------|-----------------|---------------------------|-----------------|
| CY50  | 50.59           | 4955                      | 97.90           |
| SA50  | 50.59           | 4746                      | 93.80           |
| SP50  | 50.59           | 4764                      | 94.20           |
| CY72  | 73.76           | 7263                      | 98.50           |
| SA72  | 73.76           | 6194                      | 84.00           |
| SP72  | 73.76           | 7197                      | 97.60           |
| CY98  | 99.65           | 10377                     | 104.10          |
| SA98  | 99.65           | 9421                      | 94.50           |
| SP98  | 99.65           | 9756                      | 97.90           |



# Somari Horizontal

## Part Number Specification

SOMARI COLLECTION

### SPECIFICATION CODE

Example: 2 QTY COL-SOM-HOR-SA72-CV-WHT-STD-927CK-LV01-WPC-WH

|                      |              |                      |   |                      |   |                      |   |                      |   |                      |   |                      |   |                      |  |   |
|----------------------|--------------|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|--|---|
| <input type="text"/> | COL-SOM-HOR- | <input type="text"/> | - | <input type="text"/> | - | <input type="text"/> | - | <input type="text"/> | - | <input type="text"/> | - | <input type="text"/> | - | <input type="text"/> |  |   |
| QTY.                 |              | 1                    |   | 2                    |   | 3                    |   | 4                    |   | 5                    |   | 6                    |   | 7                    |  | 8 |

Complete form to order Somari Horizontal 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.

#### 1 SHAPE

- |                               |                |                               |                |                               |                  |
|-------------------------------|----------------|-------------------------------|----------------|-------------------------------|------------------|
| <input type="checkbox"/> SA50 | SAUCER 50 INCH | <input type="checkbox"/> SP50 | SPHERE 50 INCH | <input type="checkbox"/> CY50 | CYLINDER 50 INCH |
| <input type="checkbox"/> SA72 | SAUCER 72 INCH | <input type="checkbox"/> SP72 | SPHERE 72 INCH | <input type="checkbox"/> CY72 | CYLINDER 72 INCH |
| <input type="checkbox"/> SA98 | SAUCER 98 INCH | <input type="checkbox"/> SP98 | SPHERE 98 INCH | <input type="checkbox"/> CY98 | CYLINDER 98 INCH |

#### 2 SHADE COLOR

- |                             |        |
|-----------------------------|--------|
| <input type="checkbox"/> HL | HALO   |
| <input type="checkbox"/> SL | SAIL   |
| <input type="checkbox"/> CV | CLOVER |
| <input type="checkbox"/> RS | ROSA   |
| <input type="checkbox"/> SI | SIENNA |
| <input type="checkbox"/> LM | LOOM   |
| <input type="checkbox"/> SR | SHIRO  |

#### 3 SHADE CAP COLOR

- |                              |                     |
|------------------------------|---------------------|
| <input type="checkbox"/> WHT | WHITE               |
| <input type="checkbox"/> BLK | BLACK               |
| <input type="checkbox"/> SCS | SAME COLOR AS SHADE |

#### 4 SUSPENSION

- |                              |            |
|------------------------------|------------|
| <input type="checkbox"/> STD | 12" - 96"  |
| <input type="checkbox"/> EXT | 12" - 240" |

#### 5 LED CRI / CCT

- |                                |                |
|--------------------------------|----------------|
| <input type="checkbox"/> 927CK | 90 CRI / 2700K |
| <input type="checkbox"/> 930CK | 90 CRI / 3000K |
| <input type="checkbox"/> 935CK | 90 CRI / 3500K |
| <input type="checkbox"/> 940CK | 90 CRI / 4000K |
| <input type="checkbox"/> TW    | TUNABLE WHITE  |
- Driver selection limited to LV01 and DALI

#### 6 DIMMING AND CONTROLS

- |                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| <input type="checkbox"/> LV01 | 0-10V 1% DIMMING                                                     |
| <input type="checkbox"/> LEC* | HI-LUME 1% ECOSYSTEM LED DRIVER SOFT ON, FADE TO BLACK (LDE1 SERIES) |
| <input type="checkbox"/> DALI | DALI CONTROL (NOTE: 50"L STYLES ONLY)                                |

#### 7 CANOPY OPTIONS

- |                               |                |
|-------------------------------|----------------|
| <input type="checkbox"/> WPC  | WHITE          |
| <input type="checkbox"/> BPC  | BLACK          |
| <input type="checkbox"/> RWPC | RECESSED WHITE |
| <input type="checkbox"/> RBPC | RECESSED BLACK |

#### 8 POWER CORD

- |                             |       |
|-----------------------------|-------|
| <input type="checkbox"/> WH | WHITE |
| <input type="checkbox"/> BK | BLACK |

