

tivoli®



LITESPHERE 2.0

AND



**GINA**



5"



5"



1900K



2700K



3000K



3500K

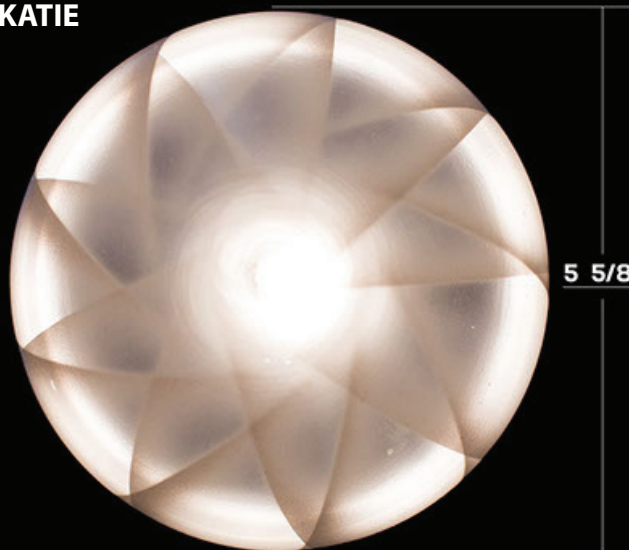


4000K



5000K

**KATIE**



5 5/8"



5"



1900K



2700K



3000K



3500K

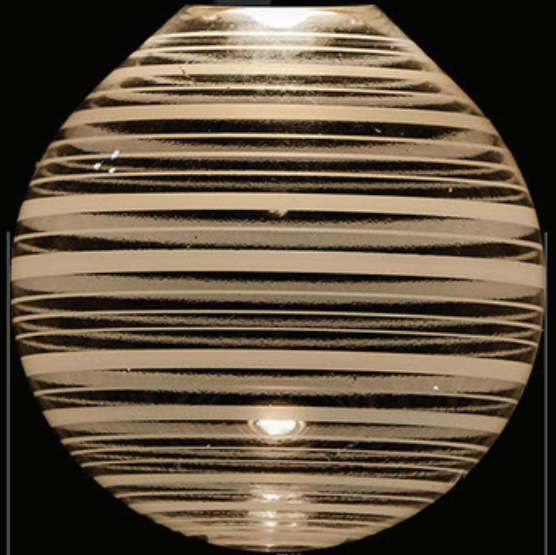
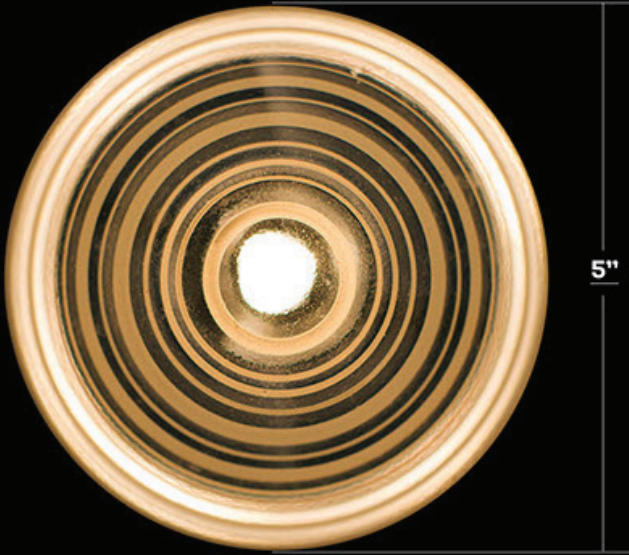


4000K



5000K

**ANGELA**



1900K



2700K



3000K



3500K



4000K



5000K

**GABY**



1900K



2700K



3000K



3500K



4000K



5000K



**TONI**



1900K



2700K



3000K



3500K



4000K



5000K

**VICTORIA**



1900K



2700K



3000K



3500K

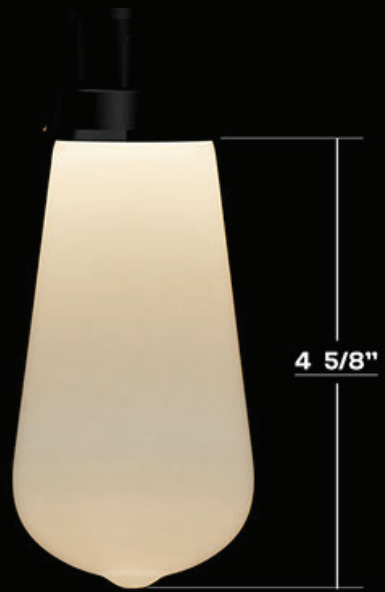


4000K

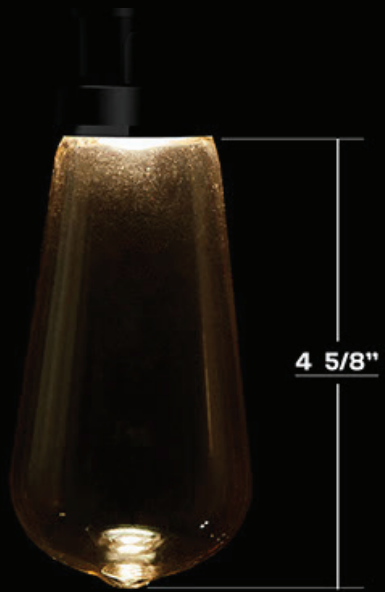


5000K

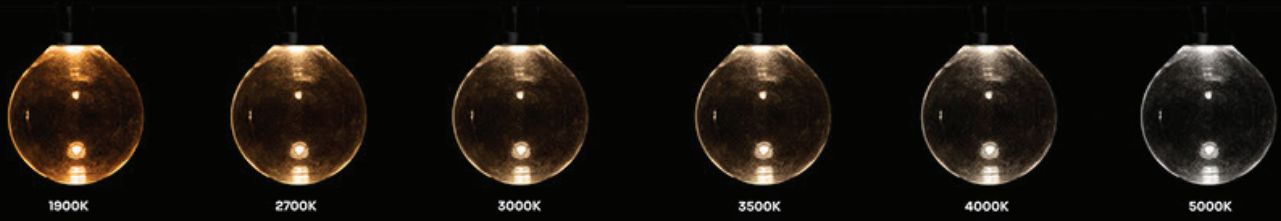
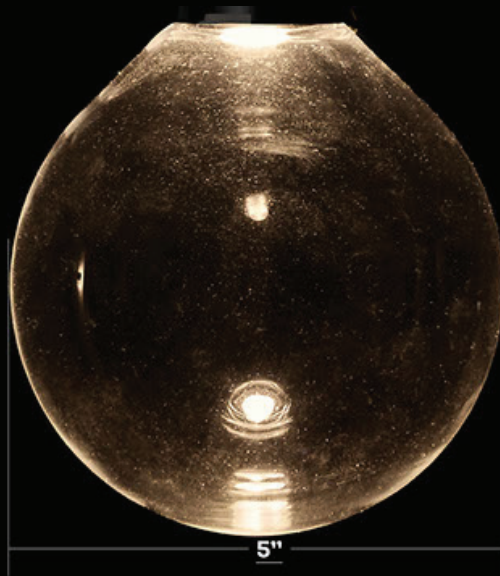
# LAURA



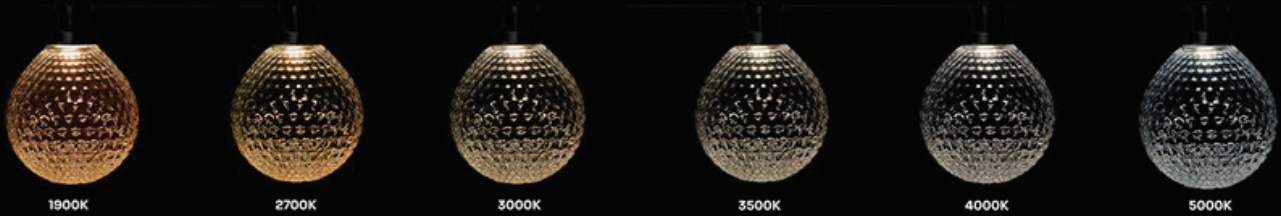
# BRENDA



LUCIA



SUSAN





ANA



1900K



2700K



3000K



3500K



4000K



5000K



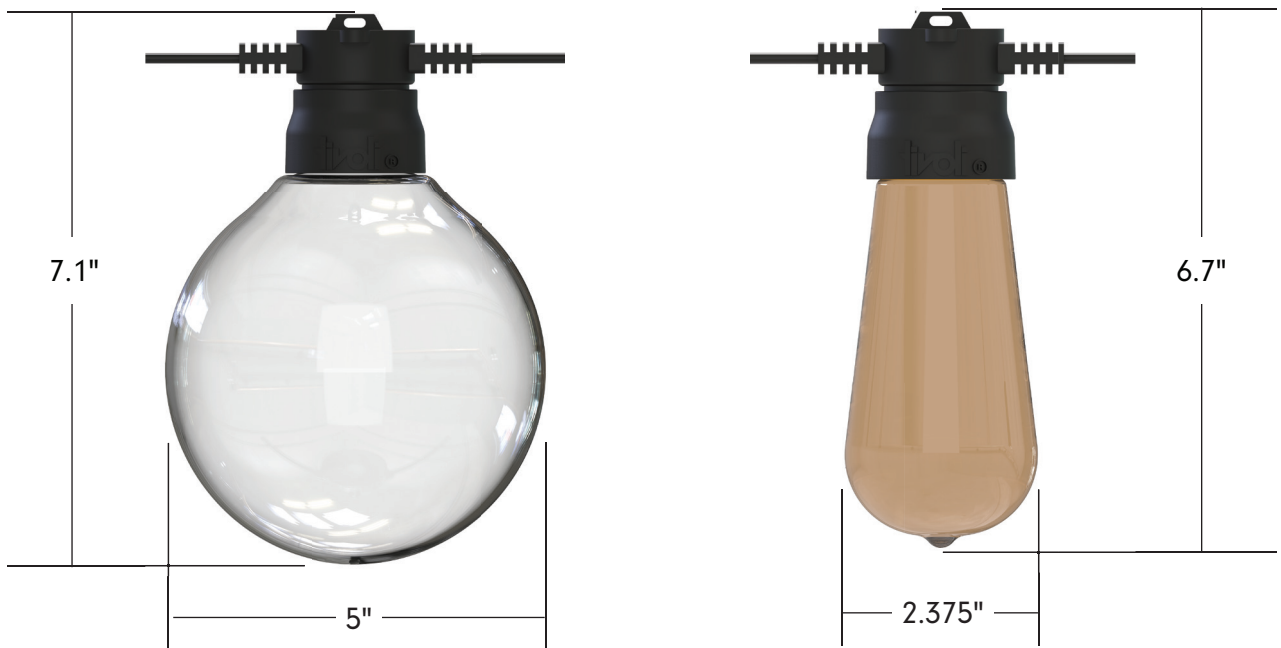
Project: \_\_\_\_\_ TYPE: \_\_\_\_\_

## Product Features

- The next evolution of ADAPT delivers a robust specification-grade strand with factory molded standard spacing for consistent quality from start to finish
- Litesphere ADAPT 2.0 design provides optional suspended mounting or a twist-off cap for surface applications
- 12V DC Low voltage system for long runs
- Socket and cord color available in black or white
- Proprietary ADAPT screw base fitting
- Silicone-coated ADAPT glassware for assisting with shatter resistance
- IP67
- cULus
- 3 Year warranty

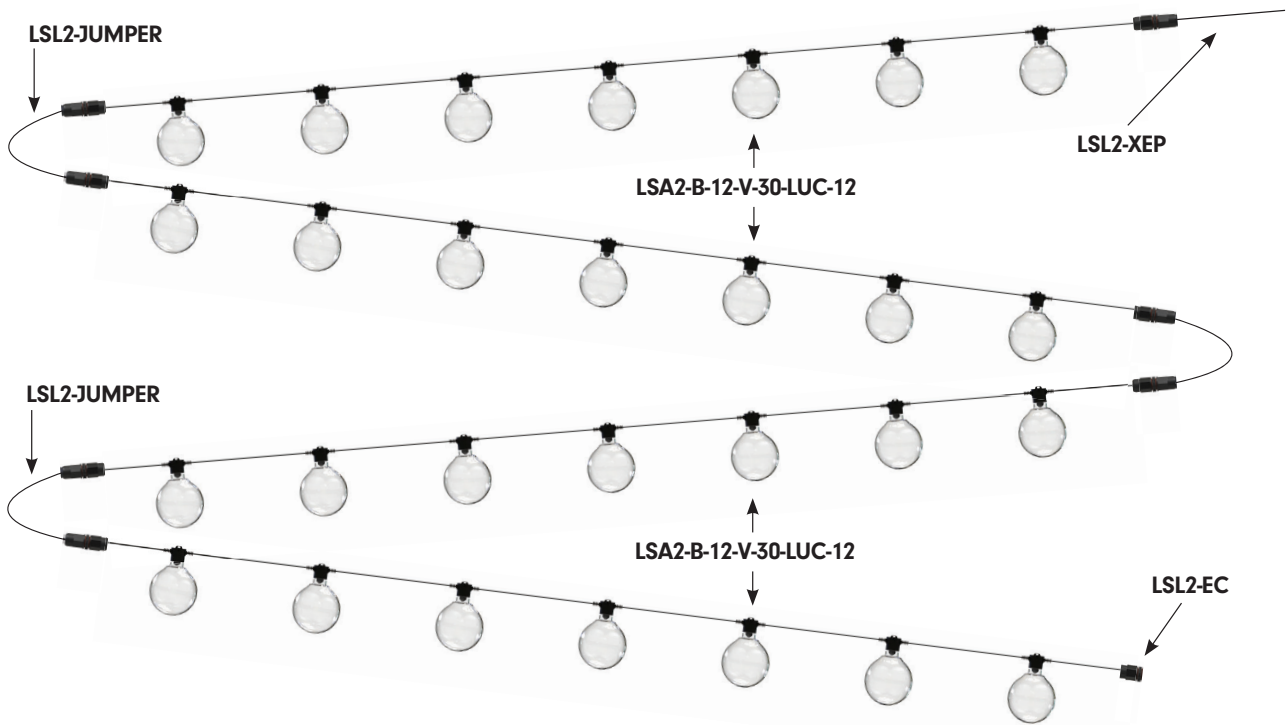


## Dimensions





### System Configuration Example



### Strand Order Guide

**Note:** For suspension application, a catenary cable is required for proper installation. Please contact Tivoli for recommendations on unique mounting applications.

Product	Wire	Spacing	LED Type	LED Color	Globe	Light Shade*	Voltage
<b>LSA2</b> Litesphere ADAPT 2.0	<b>B</b> Black <b>W</b> White**	<b>12</b> 12" OC <b>18</b> 18" OC <b>24</b> 24" OC <b>36</b> 36" OC <b>48</b> 48" OC	<b>V</b> Very High Output	<b>19</b> 1900K <b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>50</b> 5000K <b>AM</b> Amber <b>RB</b> Royal Blue <b>RD</b> Red <b>GN</b> Green <b>YL</b> Yellow	<b>ANA</b> Ana <b>VIC**</b> Victoria <b>GAB</b> Gaby <b>BRE</b> Brenda <b>LAU**</b> Laura <b>GIN</b> Gina <b>ANG</b> Angela <b>KAT</b> Katie <b>SUS**</b> Susan <b>TON**</b> Toni <b>LUC**</b> Lucia <b>CG**</b> Varied Globes	<b>Y</b> Yes <b>N</b> No	<b>12</b> 12 12V DC

\*Light Shade are optional. Consult factory for lead time and available style and sizes - see page 13

\*\*Consult Factory for MOQ and Lead Time.

### Power Lead Order Guide

Figure A - All Litesphere ADAPT 2.0 are evenly cut between globes according to specified spacing.  
 Figure B - Power leads are added to the end cut, extending the total length of the power lead.

**LSL2-XEP-X-XX**

X = B (Black), W (White)  
 XX = 05 (5'), 10 (10'), 15 (15'), 20 (20'), 25 (25')  
 For custom length consult factory

Figure A

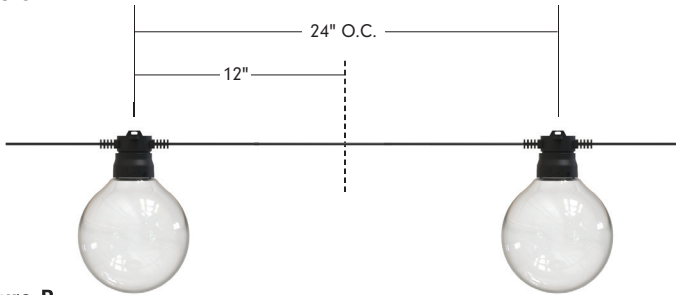
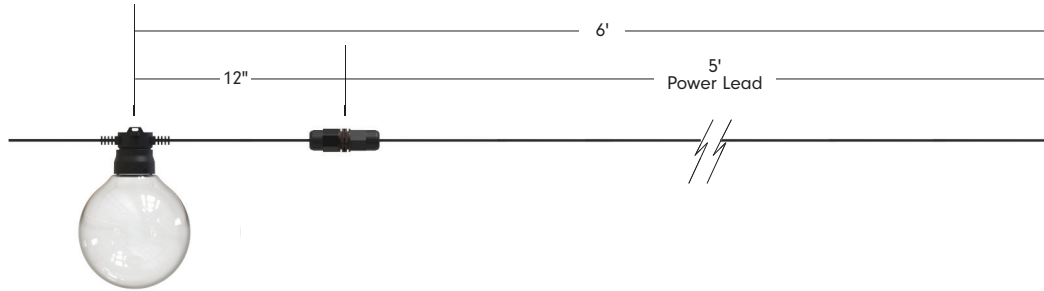


Figure B



### Jumper Order Guide

Figure A - All Litesphere ADAPT 2.0 are evenly cut between globes according to specified spacing.  
 Figure B - Jumpers are added between the cuts, extending the total length of wire between globes.

**LSL2-JUMPER-X-XX**

X = B (Black), W (White)  
 XX = 05 (5'), 10 (10')  
 For custom length, consult factory

Figure A

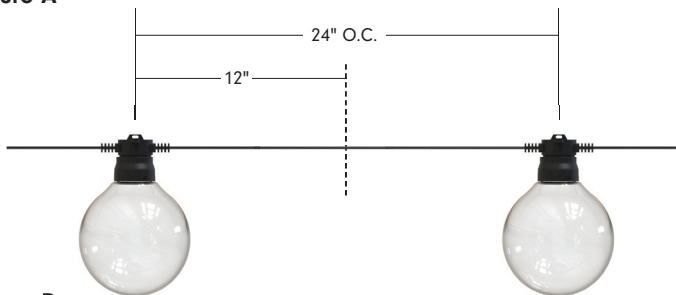
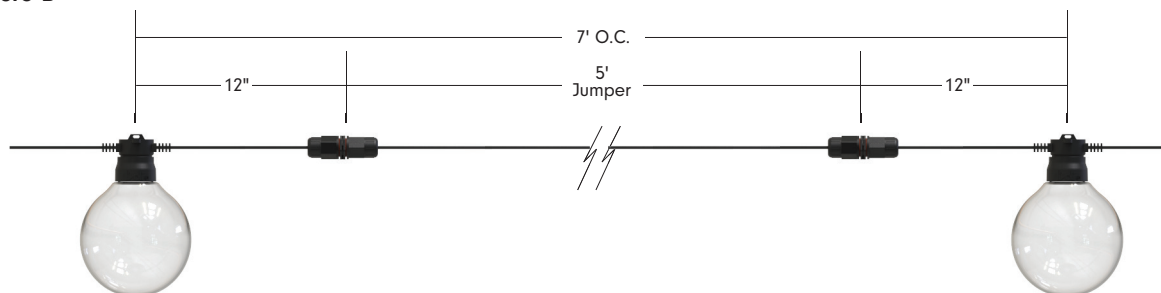


Figure B





## Specifications

Output - Very High Output					
On-Center Spacing	12"	18"	24"	36"	48"
Lumens/ft	90.2	60	45	30	N/A
Watts/ft	.96	.64	.48	.32	.24
Maximum Electrical Run	55'	70'	80'	90'	90'
Weights (G125 Globe)					
On-Center Spacing	12"	18"	24"	36"	48"
lb/ft	0.59	0.55	0.51	0.47	0.44
lb/ft with catenary cable	0.61	0.57	0.53	0.49	0.46
Weights (ST19 Globe)					
On-Center Spacing	12"	18"	24"	36"	48"
lb/ft	0.49	0.45	0.41	0.37	0.34
lb/ft with catenary cable	0.51	0.47	0.43	0.39	0.36
Electrical					
Input Voltage	12V DC				
Power Consumption (W/LED)	0.96				
Control					
Control System	0-10V, ELV, MLV, DMX 512 (Dim to 1% with an Infinity power supply and a 0-10V Lutron Diva dimmer)				
Physical					
Dimensions	7.1" H x 5" W (G125), 6.7" H x 2.375" W (ST19)				
Socket Housing	PVC				
American Wire Gauge	14 AWG				
Globe	Glass (Shatter resistance assist with silicone coating - Glass may still break under certain conditions)				
Mounting	Surface Mount, Suspended				
Operating Temperature	-40°C to 65°C (-40°F to 149°F)				
Certification and Testing					
Certification	cULus				
Environment	Wet Location				
Lumen Maintenance (L70) Hours	70,000				
IP Rating	IP67				
Warranty	3 Years				

## Mounting Options

### SURFACE/FLUSH

For surface mount applications, remove the top suspension-plate by turning counter-clockwise until off. Place socket flush against the desired surface and mount using proper screws according to substrate.



### SUSPENDED

Suspended mounting will use a combination of LS-CABLE, LS-LOCK with LS-UVZP. Tension the cable wire with our LS-TT (Tension Tool) for desired sag (Please adhere to local city code for suspended application).

**Note:** For suspension application, a catenary cable is required for proper installation. Please contact Tivoli for recommendations on unique mounting applications.



## Mounting Accessories



**LS-CABLE-60 Catenary Cable Kit - 60'**  
(1/8" Stainless Steel cable includes 2 cable locks for use with loads up to 200lbs)

**LS-CABLE-110 Catenary Cable Kit - 110'**  
(1/8" Stainless Steel cable includes 2 cable locks for use with loads up to 200lbs)

**LS-CABLE-500 Catenary Cable Kit - 500'**  
(1/8" Stainless Steel cable for use with loads up to 200lbs)



**LS-LOCK-X Cable Lock**  
X = 2 (2 Locks), 4 (4 locks) Includes (1) cable release key. Cable Lock for 1/8th inch cable, Heavy-duty lockable fasteners support loads up to 200 lbs. Can be easily adjusted without the use of tools.



**LS-TT**  
Catenary Cable Tensioning Tool up to 880lbs with minimal effort due to the 6:1 gear drive mechanism. Integral torque gauge controls the load applied to the wire, giving consistent tension every time and optimizing the life of the wire.



**LS-UVZP-BK-50**  
Black  
50 pc Bag set. UV resistant, heavy duty ties. Maximum weight up to 100 lbs./per tie.

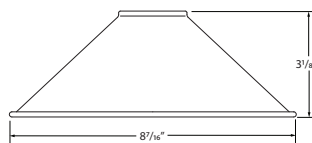


**LS-UVZP-BK-30**  
Black  
30 pc Bag set. UV resistant, heavy duty ties. Maximum weight up to 100 lbs./per tie.

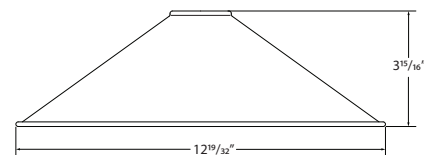


**Light Shades**

**HAT**



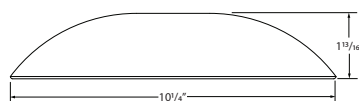
**SHADE-HT-BK-BK-8**  
Light Shade - HAT  
8.3" Black Top, Black Bottom  
Weight: 0.38 lb



**SHADE-HT-BK-BK-13\***  
Light Shade - HAT  
12.6" Black Top, Black Bottom  
Weight: 1.06 lb  
**SHADE-HT-BK-CO-13 \***  
Light Shade - HAT  
12.6" Black Top, Copper Bottom  
Weight: 1.06 lb

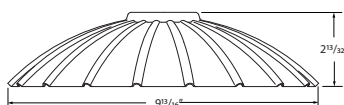
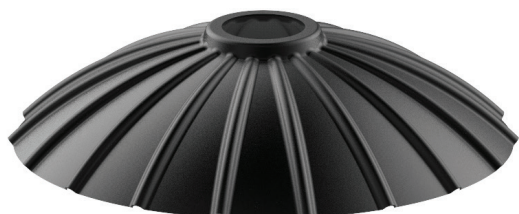
\*Consult factory for lead time and MOQ

**DISH**

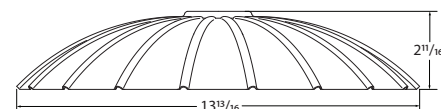


**SHADE-DS-BK-BK-10**  
Light Shade - DISH  
10.2" Black Top, Black Bottom  
Weight: 0.72 lb

**FLOWER**



**SHADE-FL-BK-BK-10**  
Light Shade - FLOWER  
9.8" Light Shade, Black Top, Black Bottom  
Weight: 0.54 lb



**SHADE-FL-BK-BK-13**  
Light Shade - FLOWER  
13.8" Light Shade, Black Top, Black Bottom  
Weight: 1.1 lb

## Replacement Parts

PRODUCT CODE	PROFILE	SHADE
<b>LSA2</b>		
<b>LSA2</b> = Litesphere ADAPT Globe	<b>ANA</b> = Ana	<b>Y</b> = Yes
	<b>ANG</b> = Angela	<b>N</b> = No
	<b>GIN</b> = Gina	
	<b>GAB</b> = Gabby	
	<b>KAT</b> = Katie	
	<b>SUS</b> = Susan*	
	<b>TON</b> = Toni*	
	<b>LUC</b> = Lucia*	
	<b>VIC</b> = Victoria*	
	<b>LAU</b> = Laura*	
	<b>BRE</b> = Brenda*	



**LSA2-LUC-N**  
Example part number shown is with **NO** shade option - Standard adapter applied at factory



**LSA2-LUC-Y**  
Example part number shown is with **YES** shade option - Shade adapter applied at factory



Very High Output



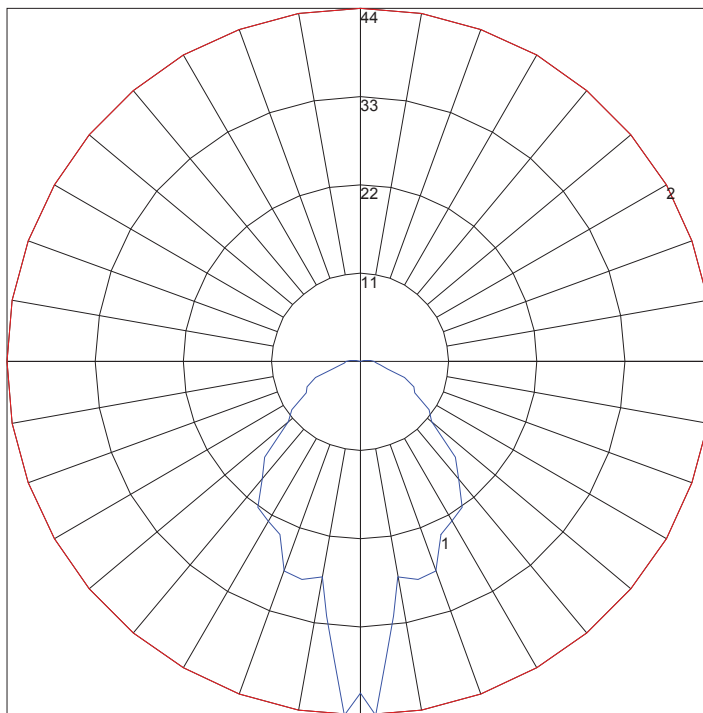
**LSL2-EC-X**  
**X** = B (black), W (white)  
Litesphere 2.0 End-Cap  
Weight: 0.0375 lb  
sold each

- |   |  |
|---|--|
| <b>LSL-19-V-12</b><br>12V Wedge base<br>1900K | <b>LSL-AM-V-12</b><br>12V Wedge base<br>Amber      |
| <b>LSL-27-V-12</b><br>12V Wedge base<br>2700K | <b>LSL-RD-V-12</b><br>12V Wedge base<br>Red        |
| <b>LSL-30-V-12</b><br>12V Wedge base<br>3000K | <b>LSL-RB-V-12</b><br>12V Wedge base<br>Royal Blue |
| <b>LSL-35-V-12</b><br>12V Wedge base<br>3500K | <b>LSL-GN-V-12</b><br>12V Wedge base<br>Green      |
| <b>LSL-40-V-12</b><br>12V Wedge base<br>4000K | <b>LSL-YL-V-12</b><br>12V Wedge base<br>Yellow     |
| <b>LSL-50-V-12</b><br>12V Wedge base<br>5000K |  |



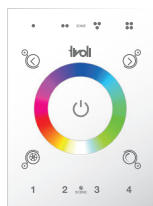
**Photometrics**

Based on 2700K LED with Lucia globe

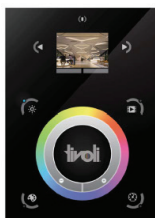


Maximum Candela = 44.19 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

**Controls**



**TVOQ-1-WH**  
 White  
 16 DMX channel, 16 scene,  
 4 zone, glass touch screen



**TVOQ-10-XX-7**  
 XX = BK (Black), WH (White)  
 1024 DMX channel, 500 scene,  
 10 zone, glass touch screen



**TVOQ-2-BK**  
 Black  
 512 DMX channel, 99 scene,  
 1 zone, glass touch screen

## Power Supplies

### INFINITY - MLV / ELV / 0-10V / PWM / TRIAC

Dim to 1% with a 0-10V Lutron Diva dimmer (by others)

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	MIN LOAD	CIRCUIT CAPACITY
Infinity Series Class 2 Transformer	INF-J-30-1-2-5-12	Indoor / Outdoor	100 - 277V AC	12V DC	1	30W	3W	2.5A
	INF-J-60-1-5-12				1	60W	6W	5A
	INF-J-180-3-5-12				3	3x60W	3x6W	3x5A
	INF-J-300-5-5-12				5	5x60W	5x6W	5x5A

### ADNM - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-D	Indoor / Outdoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-D				1	60W	5A
	ADNM-150-2-5-12-D				2	2x60W	2x5A
	ADNM-240-3-5-12-D				3	3x60W	3x5A
	ADNM-320-4-5-12-D				4	4x60W	4x5A

### ADNM - 0-10V DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-DOT	Indoor / Outdoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-DOT				1	60W	5A
	ADNM-150-2-5-12-DOT				2	2x60W	2x5A
	ADNM-240-3-5-12-DOT				3	3x60W	3x5A
	ADNM-320-4-5-12-DOT				4	4x60W	4x5A

### ADNM - DMX SINGLE ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-DIN	Indoor / Outdoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-DIN				1	60W	5A
	ADNM-150-2-5-12-DIN				2	2x60W	2x5A
	ADNM-240-3-5-12-DIN				3	3x60W	3x5A
	ADNM-320-4-5-12-DIN				4	4x60W	4x5A

### ADNM - DMX MULTI ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-150-2-5-12-DIN-2	Indoor / Damp	100-277V AC 50/60 Hz	12V DC	2	2x60W	5A
	ADNM-240-3-5-12-din-3				3	3x60W	3x5A