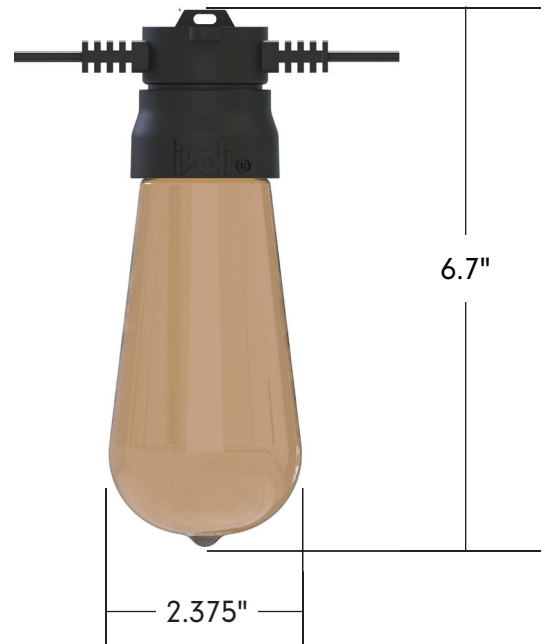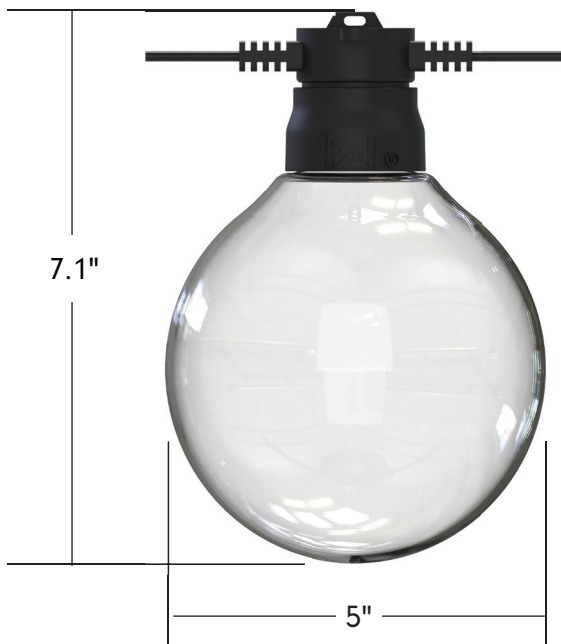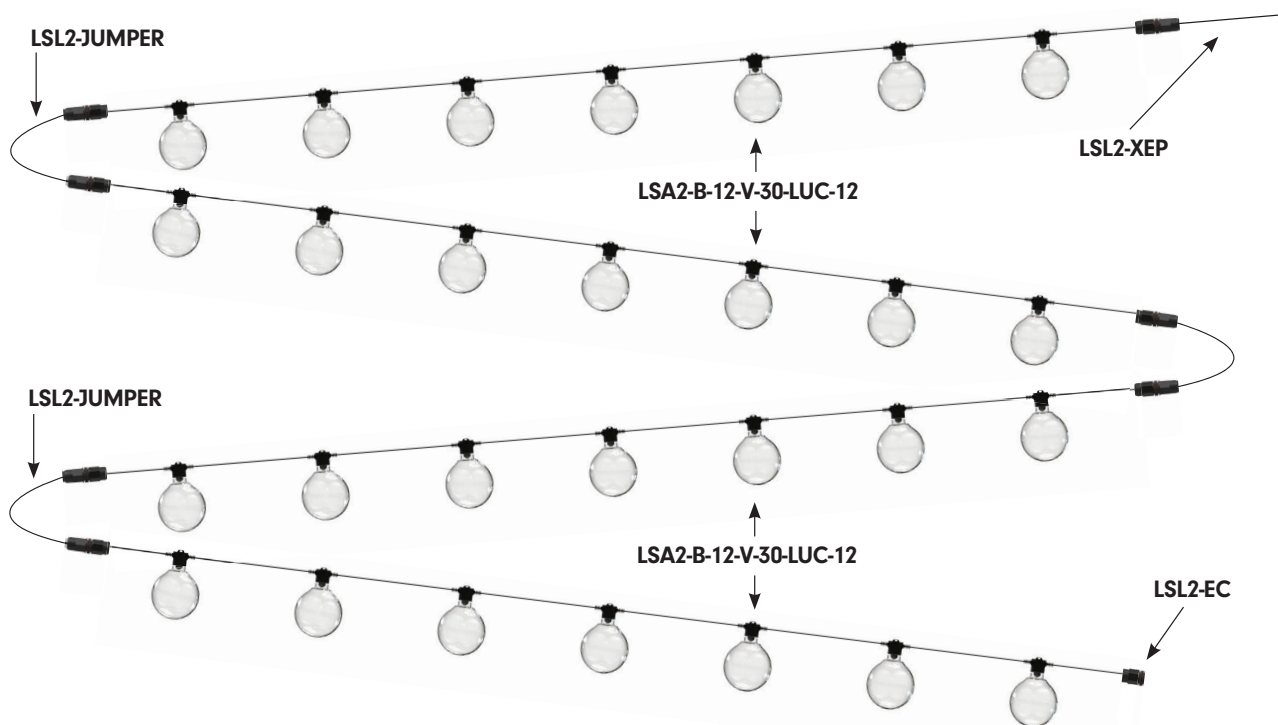# tivoli

LITESPHERE 2.0

ADAPT

Project: _____   Type: _____

- 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
- Available DarkSky option with added light shade
- 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

7.1"

5"

6.7"

2.375"

System Configuration Example

LSL2-JUMPER

LSA2-B-12-V-30-LUC-12

LSL2-XEP

LSL2-JUMPER

LSA2-B-12-V-30-LUC-12

LSL2-EC

Strand Order Guide

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

DarkSky

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

*Optional Light Shade are needed to comply with DarkSky requirements. Consult factory for lead time and available style and sizes - see page 7
**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
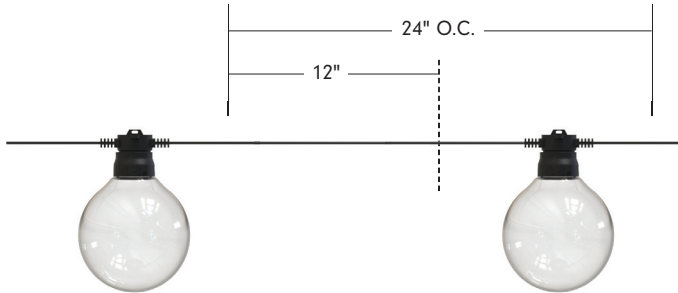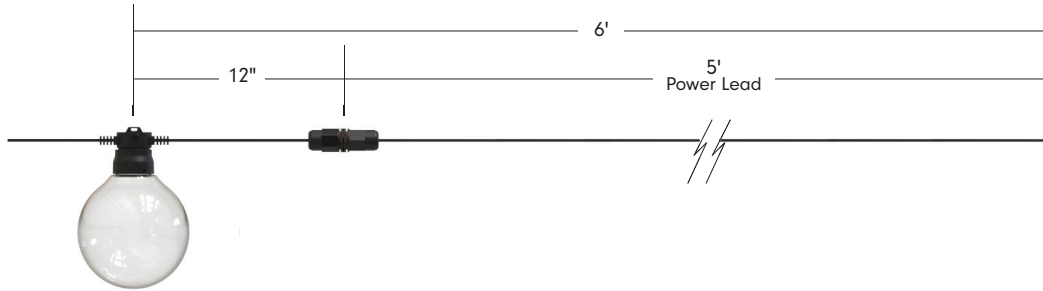
Figure A

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')
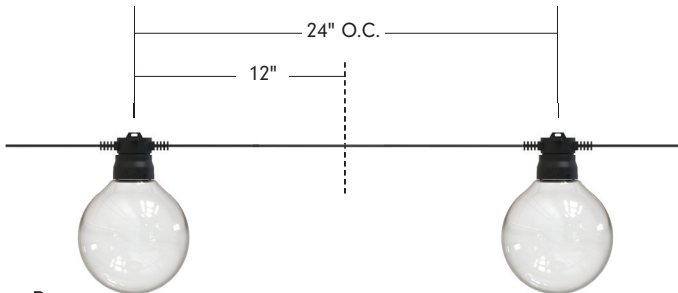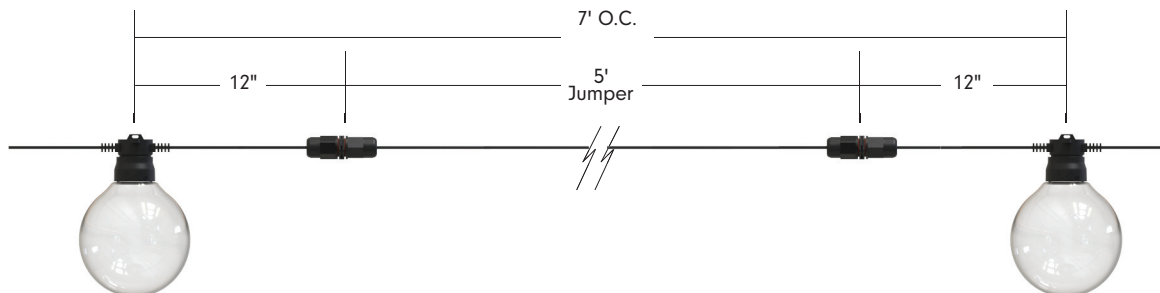For custom length consult factory

Figure A

Figure B

Specifications

EPA	12"	18"	24"
G125 Globe Only	0.16	0.09	0.09
ST19 Globe Only	0.09	0.05	0.05
Hat 8"	0.53	0.28	0.28
Hat 13"	N/A	0.71	0.71
Dish 10"	0.82	0.42	0.42
Flower 10"	0.82	0.42	0.42
Flower 13"	N/A	0.71	0.71

Weights (G125 Globe)	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)					
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

Output - Very High Output	12"	18"	24"	36"	48"
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'
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

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-X
X = **60** (60'), **110** (110'),
500 (500')
1/8" Galvanized cable includes (2) cable locks for use with loads up to 200lbs
Note: 500' no locks included

LS-LOCK-X
X = **2** (2 pcs), **4** (4 pcs)
Includes (1) release key
Cable Lock for 1/8" cable, support loads up to 200 lbs.

LS-TT
Cable tensioning tool up to 880lbs with 6:1 gear drive with integral torque gauge controls
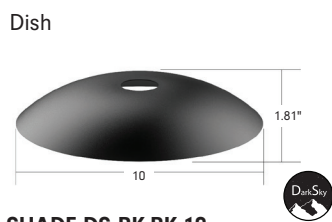
LS-UVZP-BK-XX
XX = **30** (30 pcs), **50** (50 pcs)
Black UV resistant, heavy duty ties maximum weight up to 100 lbs./per tie

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Light Shade Accessories   Note: Light Shade needed for DarkSky compliance

Hat

3.125" (10)
3.93" (13)

XX = 10 , 13

SHADE-HT-BK-XX-XX
XX = **BK** (black), **CO*** (copper)
XX = **8** (8.3"), **13**** (12.6")
Black top, black/copper bottom
Weight: 0.46 lb (10),1.2 lb (13)

Dish

1.81"

10

SHADE-DS-BK-BK-10
10.2"
Black top, black bottom
Weight: 0.76 lb

Flower

2.40" (10)
2.68" (13)

XX = 10, 13

SHADE-FL-BK-BK-XX
XX = **10** (9.8"), **13** (13.8")
Black top, black bottom
Weight: 0.63 lb (10), 1.48 lb (13)

*Only available for 13 (Hat)   **Consult factory for lead time and MOQ

Replacement Parts

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

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

LSL-XX-V-12
XX = **19, 27, 30, 35, 40, 50,
AM, RD, RB, GR, YL, TS**
12V VHO Wedge Base LED
Sold each

LSL2-EC-X
X = **B** (black), **W** (white)
Litesphere 2.0 End-Cap
Sold each
LSL2-EC-X-PX20
Litesphere 2.0 End-Cap
20 pcs
Weight: 0.0375 lb

Tivoli, LLC. reserves the right to modify this specification without prior notice.

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ADAPT Globe

Note: Shatter resistance assist with silicone coating - Glass may still break under certain conditions

LSA-ANA-N
Ana

LSA-ANG-N
Angela

LSA-GIN-N
Gina

LSA-GAB-N
Gaby

LSA-KAT-N
Katie

LSA-SUS-N
Susan*

LSA-TON-N
Toni*

LSA-LUC-N
Lucia*

LSA-VIC-N
Victoria*

LSA-BRE-N
Brenda

LSA-LAU-N
Laura*

In-Wall Controls
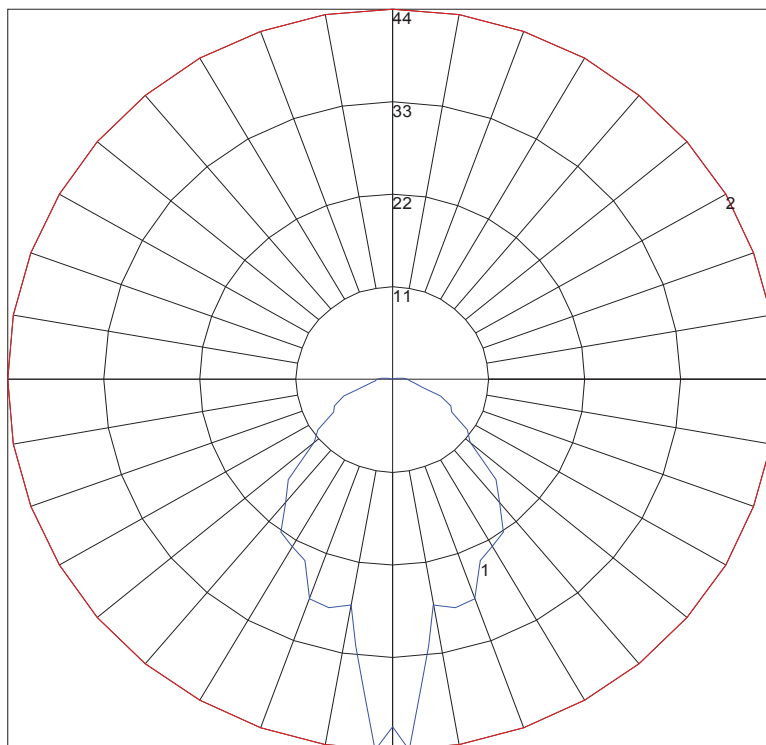
Touchscreen

TVOQ-1-WH
White

Touchscreen

TVOQ-10-XX-7
XX = BK (Black), WH (White)

Touchscreen

TVOQ-2-BK
Black

Tivoli, LLC. reserves the right to modify this specification without prior notice.

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.)

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 5o/60 Hz	12V DC	2	2x60W	5A
	ADNM-240-3-5-12-din-3				3	3x60W	3x5A