tivoli®



LITESPHERE2.0

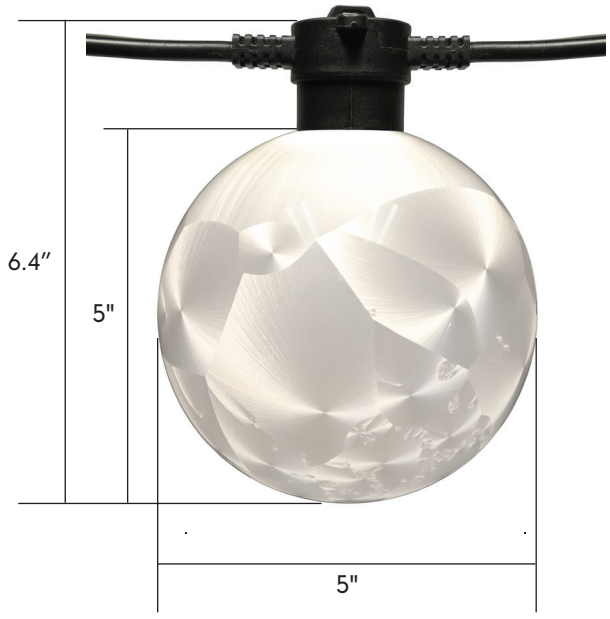
ADAPT



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
- PET ADAPT Globe for shatter-proof performance
- IP67
- cULus
- 5 Year warranty

Dimensions





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Strand Order Guide - Standard Globe

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	Voltage
LSA2			**V**			**12**
Litesphere ADAPT 2.0	**B** = Black **W** = White*	**12** = 12" OC **18** = 18" OC **24** = 24" OC **36** = 36" OC **48** = 48" OC	**V** = Very High Output	**19** = 1900K **27** = 2700K **30** = 3000K **35** = 3500K **40** = 4000K **50** = 5000K **AM** = Amber **RB** = Royal Blue **RD** = Red **GN** = Green **YL** = Yellow **TS** = Turtle Safe	**GINPET** = Gina **ANGPET** = Angela **KATPET** = Katie **LUCPET** = Lucia **JENPET** = Jennifer **JOAPET** = Joanne **MNQPET** = Manqi **BREPET** = Brenda	**12** = 12V DC

*For wire color white contact Factory for MOQ and lead time

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

Delivered Lumen

Output - **GINPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/ft	76.5	51	38.25	25.5	19.13

Output - **ANGPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/ft	76.5	51	38.25	25.5	19.13

Output - **KATPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/ft	CF	CF	CF	CF	CF

Output - **LUCPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/ft	82.8	55.2	41.4	27.6	20.7

Output - **JENPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/f	71.8	47.87	35.9	23.93	17.95

Output - **JOAPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/ft	72.6	48.4	36.3	24.2	18.15

Output - **MNQPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/ft	CF	CF	CF	CF	CF

Output - **BREPET** (3500K)

Spacing	12"	18"	24"	36"	48"
Lumens/ft	62.5	41.67	31.25	20.83	15.63

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Specifications

Electrical					
Spacing	12"	18"	24"	36"	48"
Maximum Electrical Run	55'	70'	80'	90'	100'
Watts/ft	0.84	0.56	0.42	0.28	0.21
Input Voltage	12V DC				

Physical	
Dimensions (G120)	7.1" H x 5" W
Dimensions (ST19)	6.7" H x 2.375" W
Socket Housing	PVC
American Wire Gauge	14 AWG
Globe	PET (Shatter proof)
Mounting	Surface Mount, Suspended
Operating Temperature	-40°C to 55°C (-40°F to 131°F)

Certification and Testing	
Certification	cULus
Environment	Wet Location
Lumen Maintenance (L70)	70,000
IP Rating	IP67
Warranty	5 Years

Control	
Control System	0-10V, ELV, MLV, DMX 512 (Dim to 1% with an Infinity power supply and a 0-10V Lutron Diva dimmer)

Weights (G120)	12"	18"	24"	36"	48"
lb/ft w/strand	0.44	0.35	0.29	0.17	0.15
lb/ft w/cable	0.46	0.37	0.31	0.19	0.17

Weights (ST19)	12"	18"	24"	36"	48"
lb/ft w/strand	0.34	0.28	0.24	0.14	0.13
lb/ft w/cable	0.36	0.30	0.26	0.16	0.15

EPA (Side)	12"	18"	24"	36"	48"
G120	0.11	0.07	0.06	0.04	0.03
ST19	0.05	0.03	0.03	0.02	0.01
Hat 8"	0.07	0.05	0.04	0.02	0.02
Hat 13"	0.12	0.08	0.06	0.04	0.03
Dish 10"	0.05	0.03	0.03	0.02	0.01
Flower 10"	0.06	0.04	0.03	0.02	0.02
Flower 13"	0.08	0.05	0.04	0.03	0.02

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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

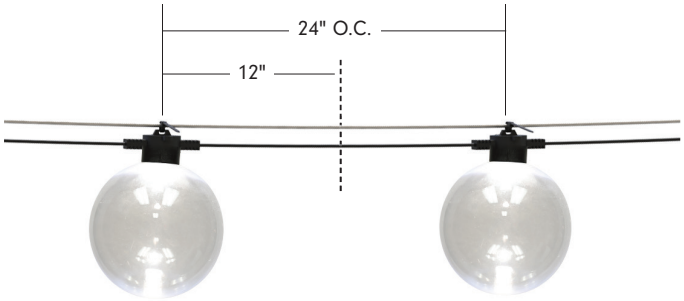
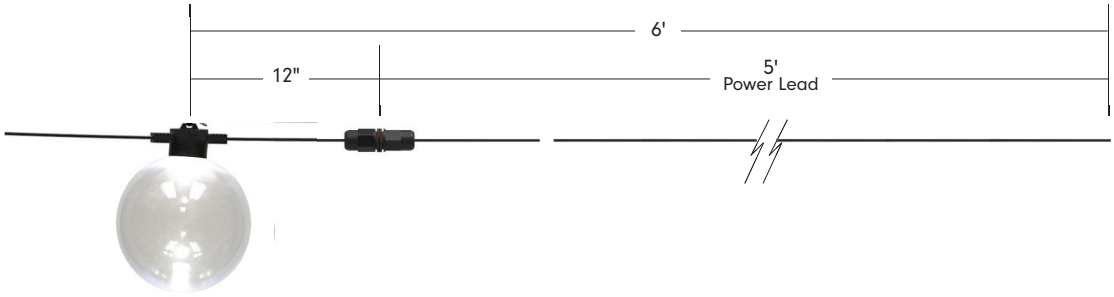


Figure B



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

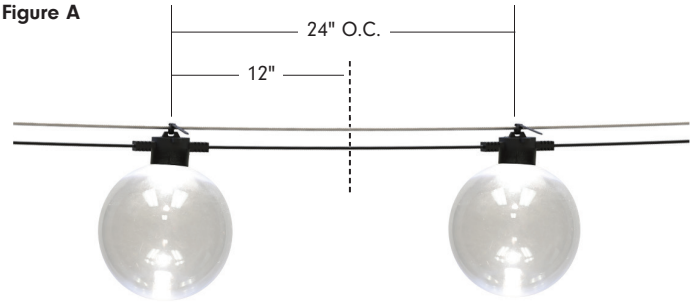
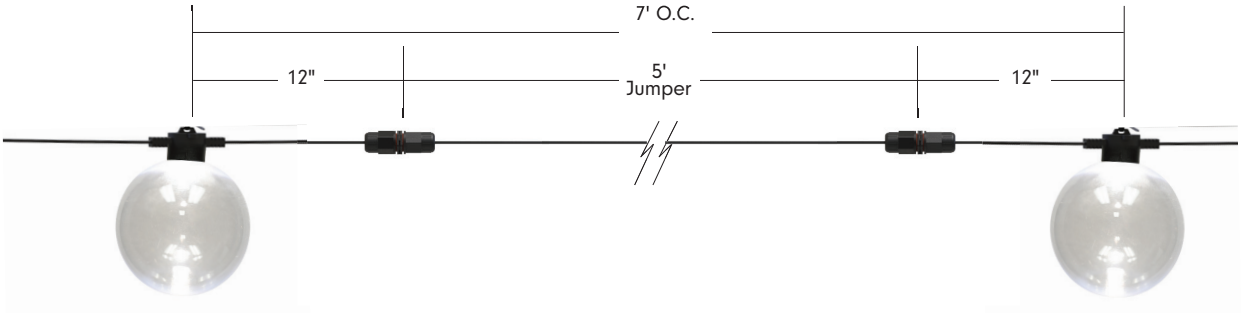


Figure B



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Mounting Accessories

Warning: For suspension application, catenary cable is required to support the product, otherwise the warranty will be void.



LS-CABLE-XXX
XXX = **60** (60'), **110** (110'), **500** (500')
1/8" Galvanized cable includes (1) LS-LOCK-3-02



LS-LOCK-3-XX
XX = **02** (2 locks), **04** (4 locks)
Horizontal loading cable lock, Includes (1) cable release key and (1) allen key.
Note: 1/8"cable 66 lbs max load



LS-TT
Cable tensioning tool up to 880lbs with 6:1 gear drive with integral torque gauge controls

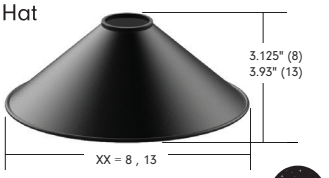


LS-UVZP-BK-XX
XX = **30** (30 pcs), **50** (50 pcs)
Black UV resistant, heavy duty ties maximum weight up to 100 lbs./per tie

Light Shade Accessories

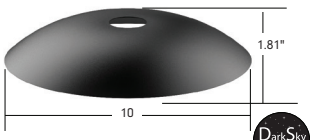
Note: Light Shade needed for DarkSky compliance

Hat



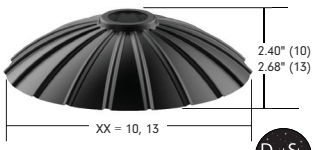
SHADE-HT-BK-XX-XX
XX = **BK** (black), **CO*** (copper)
XX = **8** (8.3"), **13**** (12.6")
Black top, black/copper bottom
Weight: 0.46 lb (8),1.2 lb (13)

Dish

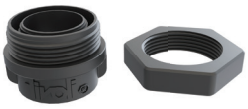


SHADE-DS-BK-BK-10
10.2" Black top, black bottom
Weight: 0.76 lb

Flower



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)



SHADE-ADP-LSL2-XX-XX
XX = **BK** (Black), **WH*** (White)
XX = **01** (1pc), **25** (25pcs),**50** (50pcs)
Litesphere 2.0 Shade Adapter kit
Note: One adaptor required for each shade

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

ADAPT Globe /Replacement

Note: Polyethylene Terephthalate (PET) globe for 100% shatter proof design
PET globes should not be exposed to industrial alcohol



LSA2-MNQ-PET
Manqi PET Globe
Diffused Pearl Design



LSA2-LUC-PET
Lucia PET Globe
Clear Design



LSA2-JEN-PET
Jennifer PET Globe
Simulated Cracked Design



LSA2-JOA-PET
Joanne PET Globe
Simulated Fragmented Design



LSA2-GIN-PET
Gina PET Globe
Clear with Frosted Design



LSA2-KAT-PET
Katie PET Globe
Clear with Frosted Design
LSA2-KAT-F-PET
Slightly Frosted with Frosted Design



LSA2-ANG-PET
Angela PET Globe
Clear with Frosted Design



LSA2-BRE-PET
Brenda PET Globe
Classic S19 Vintage Profile

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Replacement Parts



LSL2-INT-X
X = **B** (black), **W*** (white)
Connector to join the strand
Sold each



LSL2-EC-X-(PK20)
X = **B** (black), **W*** (white)
Litesphere 2.0 End-Cap
Sold each
(add **PK20** for pack of 20)
Weight: 0.0375 lb/each



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

*Contact Factory for MOQ and lead time

In-Wall Controls





Touchscreen

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





Touchscreen

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





Touchscreen

TVOQ-2-BK
Black
512 DMX channel, 99 scene

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Power Supplies

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

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

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