



LITESPHERE DROP 2.0

Litesphere Drop 2.0 String Light- How it works

A simple 3 step order process for cord spacing, drop length with light engine and globe choice for endless design combinations, and power lead length to create a unique experience for personal or public space.

CONNECTION
IP65 Outdoor 2 pin twist connector for solid, reliable performance.

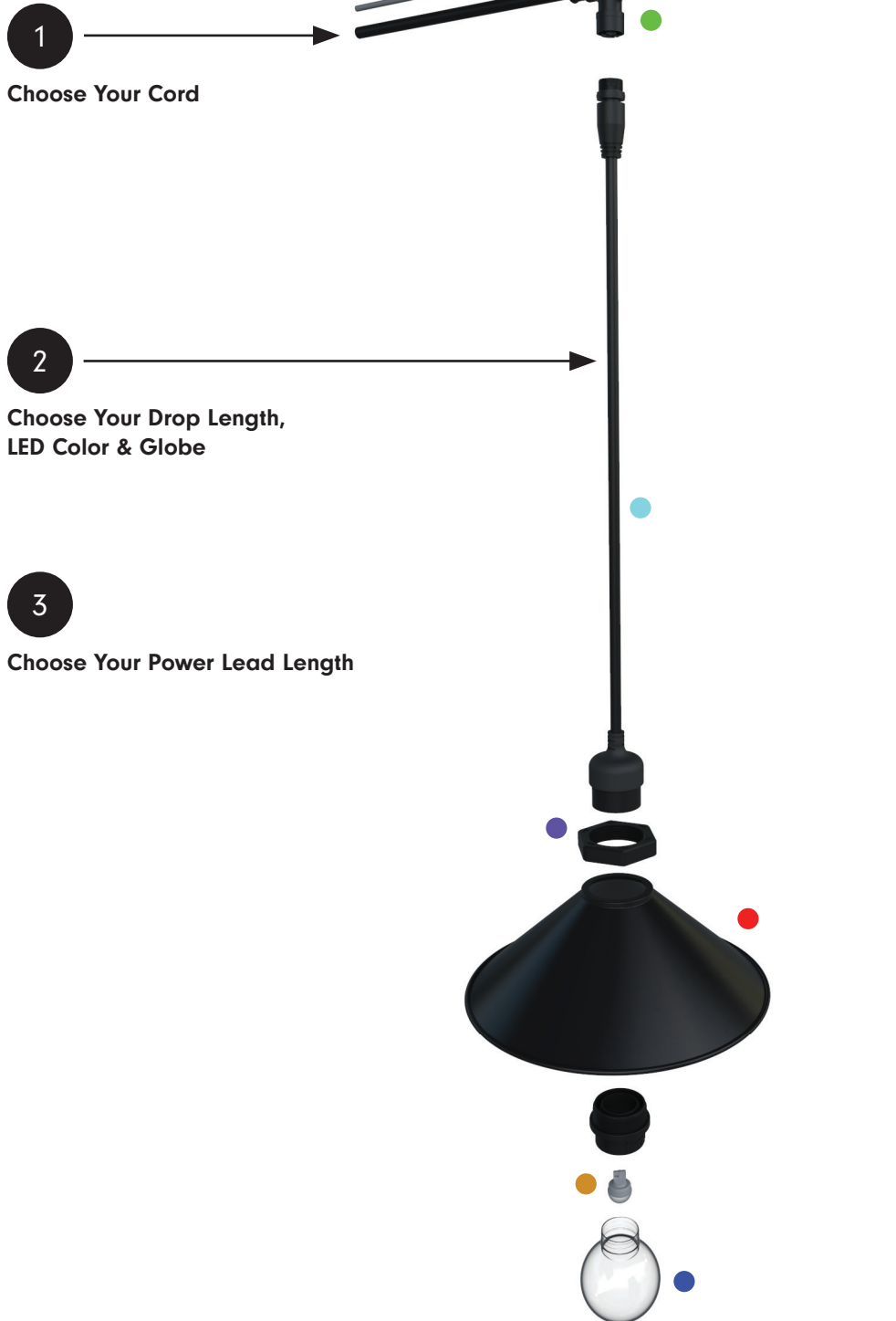
DROP
Tivoli's New DROP system gives you standard 6 length options and a custom offering for additional lengths.

SHADE ADAPTER - optional
Tivoli's Patent Pending universal shade adapter allows you to mix and match any shade with our line of String Light.

LIGHT SHADE - optional
Multiple light shades to choose from to add form and function to your design. Dark Sky compliance.

LIGHT ENGINE
Up to 90 lumens each and 3 light intensities to choose from. Available in Standard, High Output and Very High Output. Tivoli's VHO wedge based LED is 23 times brighter than our standard output offering. Built with Nichia SMD LEDs and a thermal plastic base for optimal heat dissipation

GLOBES
9 globe options to finish your design and achieve a personal look.



1
Choose Your Cord

2
Choose Your Drop Length, LED Color & Globe

3
Choose Your Power Lead Length

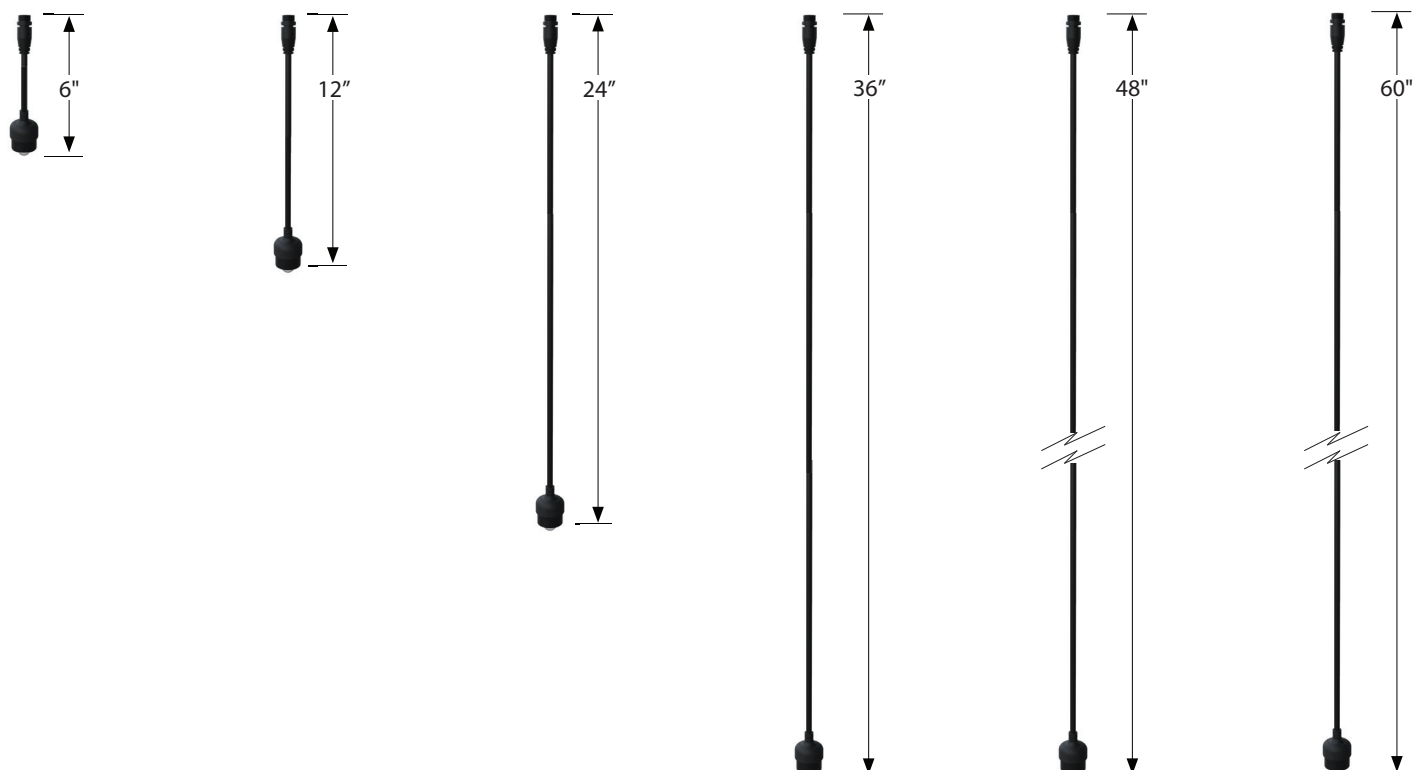


Project: _____ TYPE: _____

- Robust specification-grade strand with factory molded spacing for consistent quality from start to finish
- Available DarkSky option with added light shade
- 12V DC Low voltage system for long runs
- PET shatter proof globe
- IP65
- cULus
- 3 Year warranty



Dimensions



1 - Strand Order Guide

PRODUCT CODE	PROFILE	STRAND COLOR	SPACING
LSD2	STRND		
LSD2 = Litesphere DROP 2.0	STRND = Strand	BK = Black WH = White*	24 = 24" OC 36 = 36" OC 48 = 48" OC

*Contact Factory for MOQ and lead time

2 - Drop Order Guide

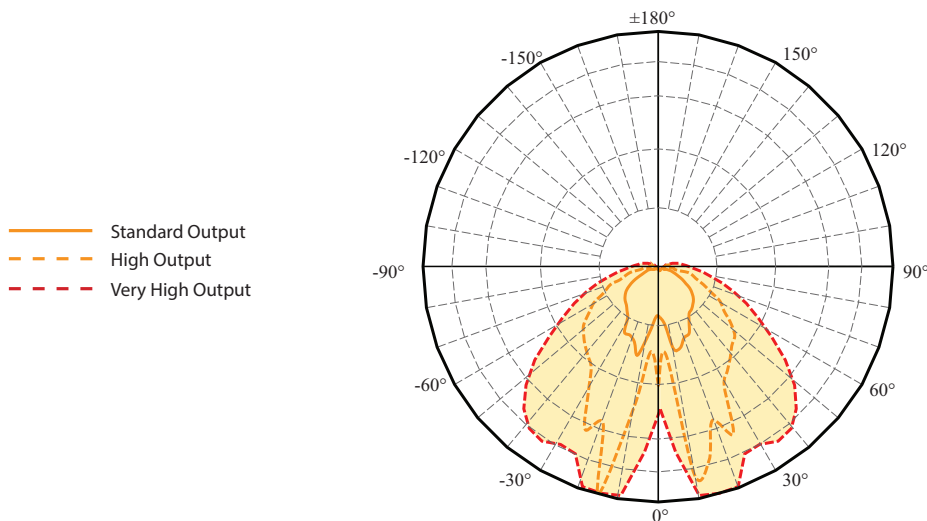
Note: All DROPS are pre-built with choice of LED chip and globe, ready to install.

PRODUCT CODE	PROFILE	DROP COLOR	LED TYPE	CCT COLOR	GLOBE	DROP LENGTH
LSD2	DRP					
LSD2 = Litesphere Drop 2.0	DRP = Drop	BK = Black WH = White*	S = Standard Output H = High Output V = Very High Output	19 = 1900K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K* AM = Amber* RD = Red* GN = Green* YL = Yellow* RB = Royal Blue* TS = Turtle Safe**	C = Clear F = Frosted O = Opal Y = Yellow R = Red N = Orange G = Green B = Blue P = Purple Z = Varied Color	6 = 6" 12 = 12" 24 = 24" 36 = 36" 48 = 48" 60 = 60"

*Contact Factory for MOQ and lead time

** Available in VHO LED only

Photometrics



3 - Power Lead Order Guide

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 - All Litesphere DROP 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.

Figure A

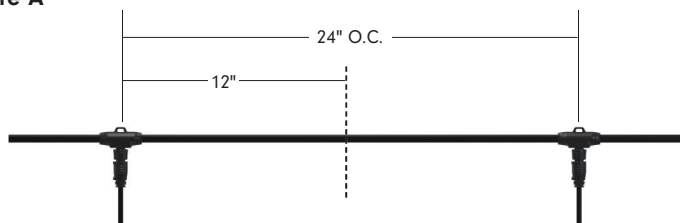
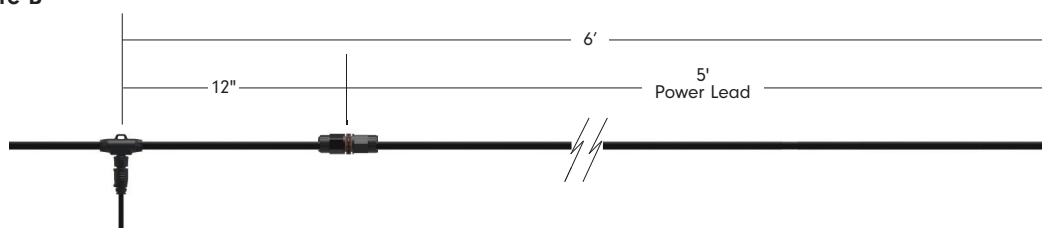


Figure B



*Contact Factory for MOQ and lead time

Jumper Order Guide (Optional)

LSL2-JUMPER-X-XX

X = B (black), W* (white)

XX = 05 (5'), 10 (10')

For custom length, consult factory

Figure A - All Litesphere DROP 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.

Figure A

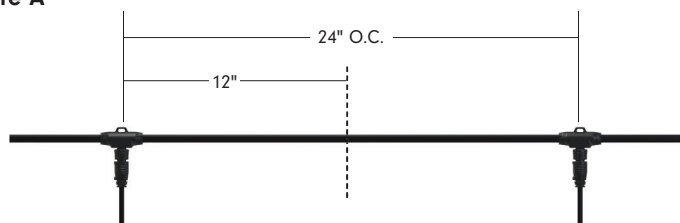
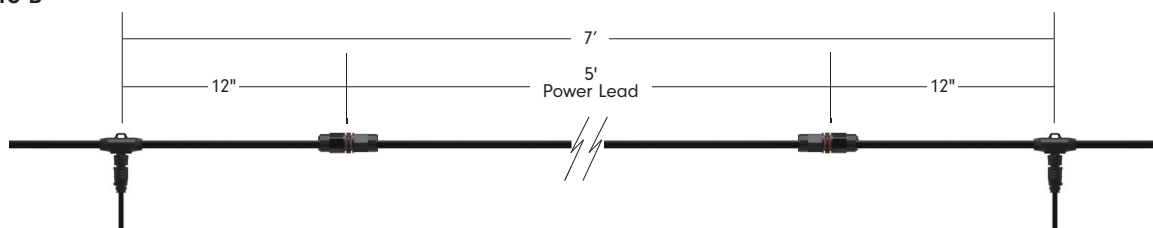


Figure B



*Contact Factory for MOQ and lead time

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



Specification

Output - Standard Output			
OC Spacing	24"	36"	48"
Lumens/ft	3	2	1.5
Watt/ft	0.04	0.03	0.02
Maximum Run Length	200'	250'	300'

Output - Very High Output			
OC Spacing	24"	36"	48"
Lumens/ft	45	30	22.5
Watt/ft	0.48	0.32	0.24
Maximum Run Length	50'	100'	120'

Output - High Output			
OC Spacing	24"	36"	48"
Lumens/ft	7	5	3.5
Watt/ft	0.12	0.077	0.06
Maximum Run Length	130'	150'	200'

Drop						
Length	6'	12"	24"	36"	48"	60"
Weights/unit	CF	0.15	0.19	0.22	CF	CF

Strand			
OC Spacing	24"	36"	48"
Weights/ft (Strand and Catenary Cable Only)	0.12	0.114	0.11

Electrical	
Input Voltage	12V DC
Power Supply	Class 2

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	
Socket Housing	PVC
American Wire Gauge	14 AWG
Globe	PET
Mounting	Surface Mount, Suspended
Operating Temperature	-40°C to 65°C (-40°F to 149°F)
Storage Temperature	-40°C to 65°C (-40°F to 149°F)

Certification and Testing	
Certification	cULus Listed
Lumen Maintenance (L70) Hours	60,000
Environment	Wet Location
IP Rating	IP65
Warranty	3 years

Mounting Example



Mounting Accessories



LS-CABLE-XXX

XXX = 60 (60'), 110 (110'), 500 (500')

Note: 1/8" Galvanized cable includes 2 cable locks for use with loads up to 200lbs



LS-LOCKX

X = 2 (2 locks), 4 (4 locks)

Cable lock for 1/8" cable
Note: Includes (1) cable release key. Lock holds loads up to 200lbs



LS-TT

Catenary Cable Tensioning Tool

Note: Up to 880lbs with minimal effort due to the 6:1 gear drive mechanism



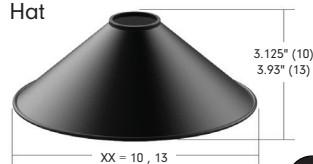
LS-UVZP-BK-XX

XX = 50 (50PCS), 30 (30PCS)

UV resistant, heavy duty ties
Note: Maximum weight up to 100 lbs/tie

Light Shade Accessories

Hat

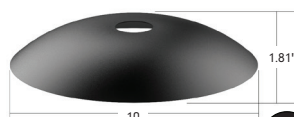


SHADE-HT-BK-XX-XX

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

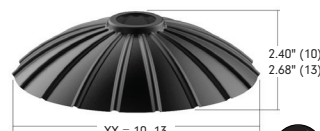


SHADE-DS-BK-BK-10

10.2"

Black top, black bottom
Weight: 0.76 lb

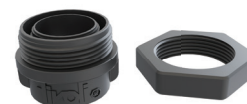
Flower



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

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

Replacement Parts

*Contact Factory for MOQ and lead time



LSL-XX-S-12
XX = 19, 27, 30, 35, 40, 50,
AM, RD, RB, GR, YL
 12V Standard Brightness
 Wedge Base LED
 Sold each



LSL-XX-H-12
XX = 19, 27, 30, 35, 40, 50,
AM, RD, RB, GR, YL
 12V High Output
 Wedge Base LED
 Sold each



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



LSL2-EC-X
X = B (BLACK), W (WHITE)
 Litesphere 2.0 End-Cap
 Sold each
LSL2-EC-X-PK20
 Litesphere 2.0 End-Cap
 20pack

Replacement Globes



LST-CG
 Litesphere 2.0
 Clear globe
 sold each



LST-OG
 Litesphere 2.0
 Opal globe
 sold each



LST-FG
 Litesphere 2.0
 Frosted globe
 sold each



LST-XX
 Litesphere 2.0
XX = RG (red), OR (orange), YG
(yellow), GG (green), BG (blue),
PG (purple)
 sold each

In-Wall 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,

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