

HYDRA STL Series 120V Exterior LED Light String

Features

- Ideal for decorative lighting above patios, walkways and plazas
- Includes replaceable 120V medium-base LED lamps
- Available with 1800K clear lamps, 2000K clear lamps, 2700K clear lamps, 2700K frosted lamps, 2700K milky white lamps, 3000K clear lamps
- Consumes only 2W per lamp (for G16.5 Gamma lamps) or 4W per lamp (for S14 lamps)
- Standard 12", 18" or 24" lamp spacing (Consult factory for custom spacing)
- Black phenolic medium base socket, rated 250V 60W
- Black PVC insulated 12 AWG stranded copper wires, rated 150V
- 0.0625" Galvanized steel aircraft cable, tensile strength of 480 lbs.
- ETL Listed for wet location
- Maximum 500 feet per circuit based on 12" lamp spacing.
- Intended for lamp-down applications only

GAMMA Lamp Features

Physical Construction

- Lamp size is comparable to G16.5 bulb or S14 bulb
- E26 base retrofits into standard medium base lampholders
- Available with clear glass, frosted glass or milky white glass
- Consult factory for shatter proof coating

Optical Characteristics

- 1800K clear lamp emulates filament bulb (160 lumens)
- 2700K frosted lamp emulates standard light bulb (180 lumens)
- Tight color-binning of LEDs ensures uniformity of color
- Emits no UV or IR

Electrical Specifications

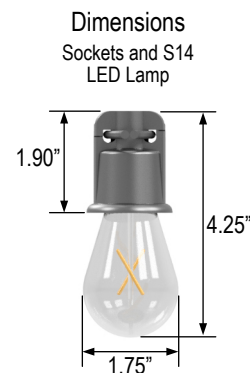
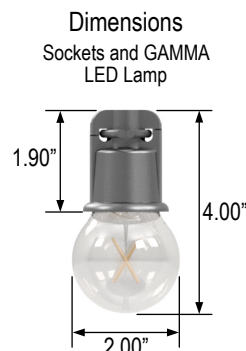
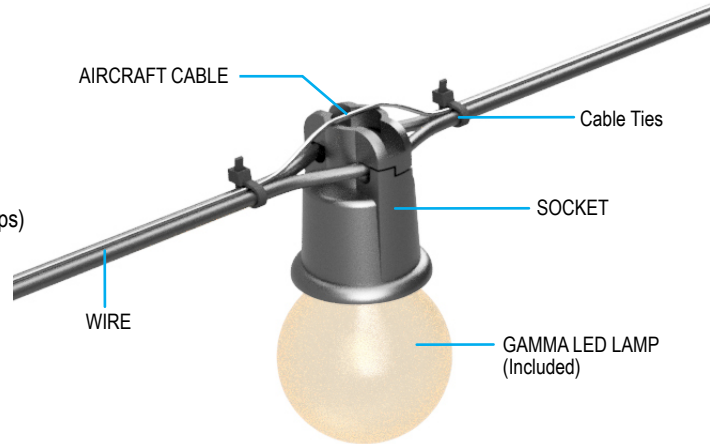
- Consumes only 2W per lamp or 4W per lamp
- Runs on 120V
- Dimmable to 20% using standard incandescent dimmers

Heat Management and Rated Life

- Built-in heat sink effectively protects LEDs
- Rated life is 25,000 hours, with 70% lumen maintenance, when used in normal environmental conditions
- Long life results in low maintenance and replacement costs
- Produces no radiant heat; optimal for heat-sensitive applications

Light String Weight (per foot including light string and LED lamp)

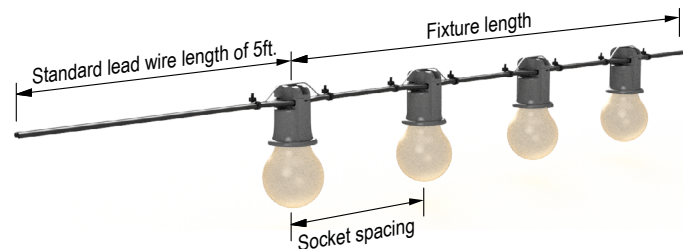
Socket Spacing	12" on center	18" on center	24" on center
Weight	0.18 lbs. / 3.00 oz.	0.15 lbs. / 2.33 oz.	0.13 lbs. / 2.00 oz.



Not suitable for upright applications
Only use with lamps pointing down



Specify socket spacing, lead wire length and fixture length



How to Specify HYDRA STL Series

PRODUCT CODE		LED LAMP		SOCKET SPACING		FIXTURE LENGTH	
HYA-STL-AC	GC18	G16.5 clear globe - 1800K white LED		12	12" on center	Specify fixture length	
	GC20	G16.5 clear globe - 2000K white LED		18	18" on center		
	GC27	G16.5 clear globe - 2700K white LED		24	24" on center		
	GF27	G16.5 frosted globe - 2700K white LED					
	GM27	G16.5 milky white globe - 2700K white LED					
	GC30	G16.5 clear globe - 3000K white LED					
	SC18	S14 clear globe - 1800K white LED (4W)					
	SC27	S14 clear globe - 2700K white LED (4W)					
	SC30	S14 clear globe - 3000K white LED (4W)					
	NL	No lamps		Consult factory for custom spacing			
Example	HYA-STL-AC	-	GC18	-	12	-	50ft
Fill in	HYA-STL-AC	-		-		-	

Accessories

Light String End Cap

(HYA-STL-EC)

Use to terminate end of HYDRA STL Light String.
Must use weatherproof silicone inside of end cap prior to installation on to HYDRA STL cable.



Aircraft Cable

(STL-AC)

Aircraft Cable is included up to the total length of HYDRA STL ordered. If extra cable is needed, order STL-AC with desired length.
Diameter of 0.0625"



Cable Tie

(STL-CT)

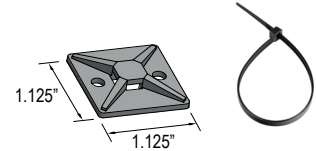
Order at least one per 6ft of HYDRA STL if mounting with drop from aircraft cable. Order two per socket if mounting with no drop.



Mounting Plate with Cable Tie

(STL-MC)

Order at least one set per 6ft of HYDRA STL when mounting to flat surface.



Footcandle Summary (Based on one Gamma LED lamp)

Part No.	GC18
LED Color Temp.	1800K
Globe Color	Clear globe
Distance	Footcandle
12"	5.15
24"	2.04
36"	1.31
48"	0.96
60"	0.73
72"	0.59
84"	0.50
96"	0.42

Part No.	GC20
LED Color Temp.	2000K
Globe Color	Clear globe
Distance	Footcandle
12"	5.87
24"	2.47
36"	1.57
48"	1.14
60"	0.88
72"	0.74
84"	0.62
96"	0.52

Part No.	GC27
LED Color Temp.	2700K
Globe Color	Clear globe
Distance	Footcandle
12"	10.2
24"	4.22
36"	2.38
48"	1.68
60"	1.29
72"	1.02
84"	0.82
96"	0.69

Part No.	GF27
LED Color Temp.	2700K
Globe Color	Frosted globe
Distance	Footcandle
12"	12.6
24"	4.75
36"	2.67
48"	1.79
60"	1.38
72"	1.09
84"	0.91
96"	0.78

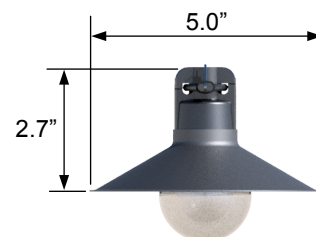
Part No.	GM27
LED Color Temp.	2700K
Globe Color	Milky white globe
Distance	Footcandle
12"	18.6
24"	6.11
36"	3.17
48"	2.08
60"	1.46
72"	1.16
84"	0.94
96"	0.79

Part No.	GC30
LED Color Temp.	3000K
Globe Color	Clear globe
Distance	Footcandle
12"	7.17
24"	3.18
36"	1.91
48"	1.36
60"	1.08
72"	0.89
84"	0.77
96"	0.63

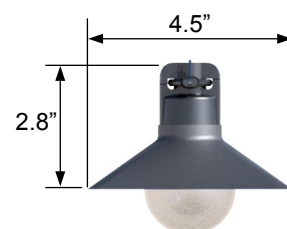
Lamp Accessories

Lamp accessories are assembled at factory and must be specified when ordering

STL-SRB
Standard Round Canopy
Powder coat black finish



STL-SSB
Standard Square Canopy
Powder coat black finish



STL-CCB
Cone Canopy
Powder coat black finish



STL-PCP
Perforated Canopy
Powder coat black finish

