

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 or 2700K frosted lamps
- Consumes only 2W per lamp
- 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
- E26 base retrofits into standard medium base lampholders
- Available with clear glass or frosted 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
- Runs on 120V
- Dimmable to 25% 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

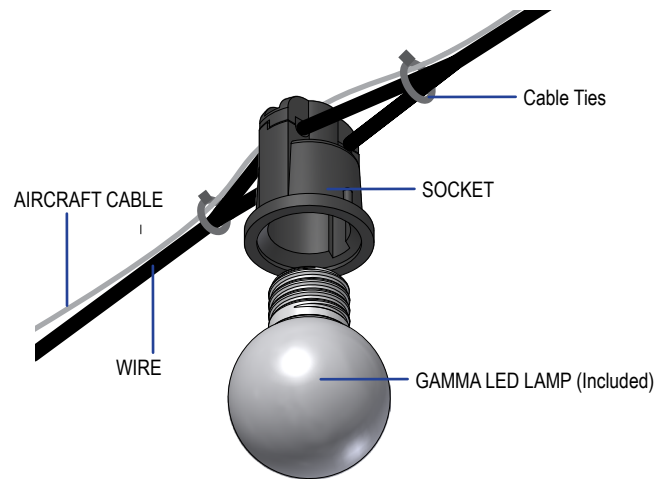
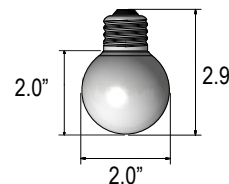
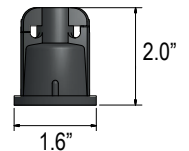
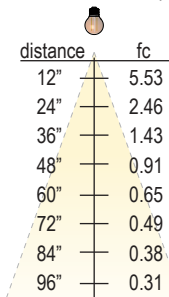
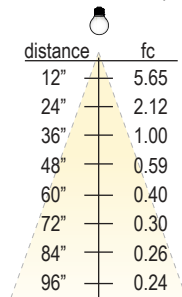
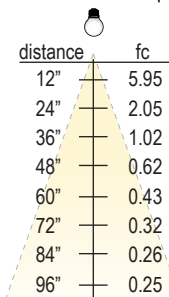
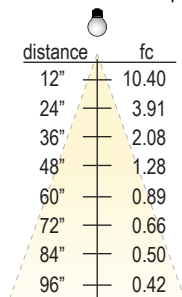
Light String Weight (per foot including light string and LED lamp)

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

How to Specify HYDRA STL Series

HYA - STL - AC -		-	
	GAMMA LED Lamp		Socket Spacing
	GC18	1800K LED clear globe	12 12" on center
	GC20	2000K LED clear globe	18 18" on center
	GC27	2700K LED clear globe	24 24" on center
	GF27	2700K LED frosted globe	Consult factory for custom spacing
Example	HYA - STL - AC - GC18		- 24

Job Name:		Type:	
Contractor:		Sheet:	

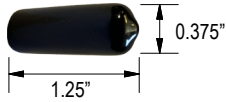

GAMMA LED Lamp Detail

Socket Detail

Footcandle Summary (Based on one Gamma LED lamp)
1800K Clear Lamp

2000K Clear Lamp

2700K Clear Lamp

2700K Frosted Lamp


Accessories

Light String End Cap

(HYA-STL-EC)

Use to terminate end of HYDRA STL Light String. Must be used with 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 Ties

(STL-CT)

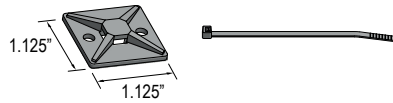
Order at least one per 6ft of HYDRA STL if mounting with drop to aircraft cable. Order at least two per socket if mounting with no drop to aircraft cable.



Mounting Plate with Cable Tie

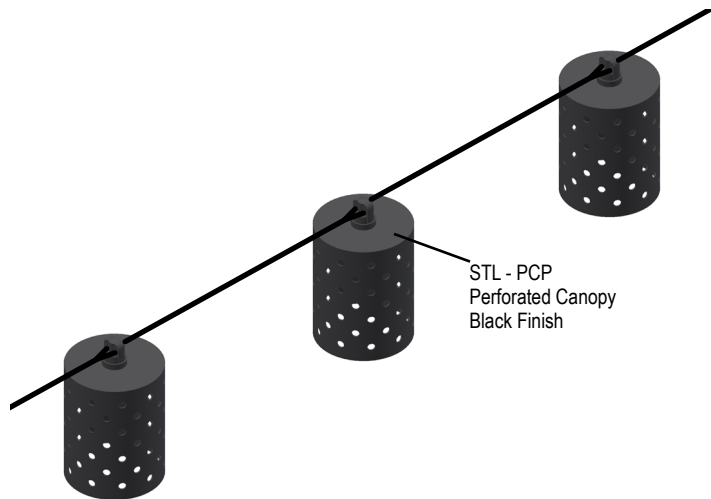
(STL-MC)

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

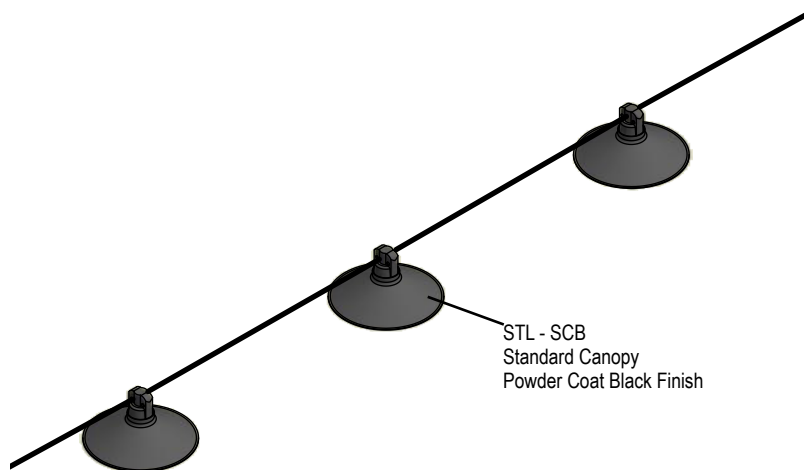
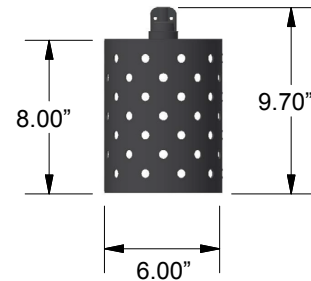


Lamp Accessories

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



STL - PCP
Perforated Canopy
Black Finish



STL - SCB
Standard Canopy
Powder Coat Black Finish

