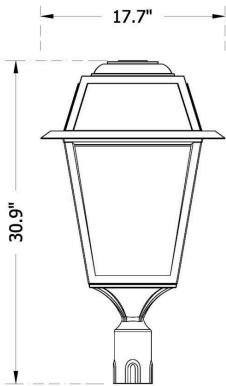


Project Name

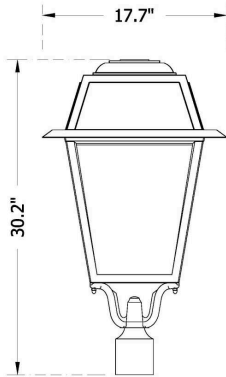
Qty

Type

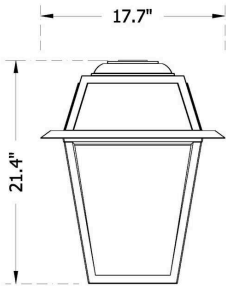
Catalog / Part Number



S640LED-SF



S640LED-FB

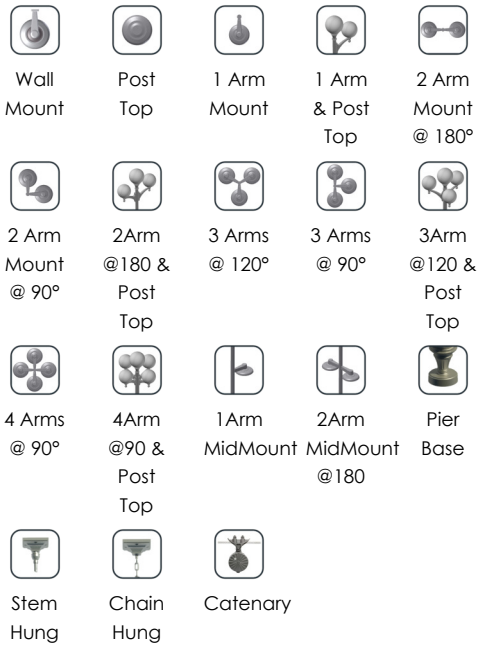


S640LEDH

Certifications



Mounting Configuration



Description

The S640LED Seville is a large scale 4 sided traditional lantern. The luminaire is made of heavy wall cast aluminum, the light engine includes an integral heat sink to provide maximum life and performance for the LED light source. A variety of configurations makes this luminaire flexible for any application.

EPA: 2.5 (ft²) | WEIGHT: 25 LBS

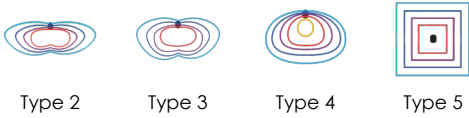
Features

Mounting Configuration	1W: Wall Mount	PT: Post Top
	1A: 1 Arm Mount	1APT: 1 Arm & Post Top
	2A: 2 Arm Mount @ 180°	2A90: 2 Arm Mount @ 90°
	2APT: 2Arm @180 & Post Top	3A: 3 Arms @ 120°
	3A90: 3 Arms @ 90°	3APT: 3Arm @120 & Post Top
	4A: 4 Arms @ 90°	4APT: 4Arm @90 & Post Top
	1AM: 1Arm MidMount	2AM: 2Arm MidMount @180
	450PB: Pier Base	SH44: Stem Hung
	CH44: Chain Hung	CAT: Catenary
Fixture	S640LED: Seville	S640LEDH: Seville, Hanging
Fitter	SF: Standard Fitter	FB: Frog Base Fitter
Lens	CSA: Clear Seeded Acrylic	
	CTA: Clear Textured Acrylic	
	SV1: Flat SoftVue™ Light Diffused Acrylic	
	SV1.5: Flat SoftVue™ Medium Diffuse Acrylic	
	SV2: Flat SoftVue™ Moderate Diffused Acrylic	
	SV4: Flat SoftVue™ Maximum Diffused Acrylic	
	GCSA: Gradient Frosted Clear Seeded Acrylic	
Optional Control Receptacle	R7: 7-Pin control receptacle only	

Finish



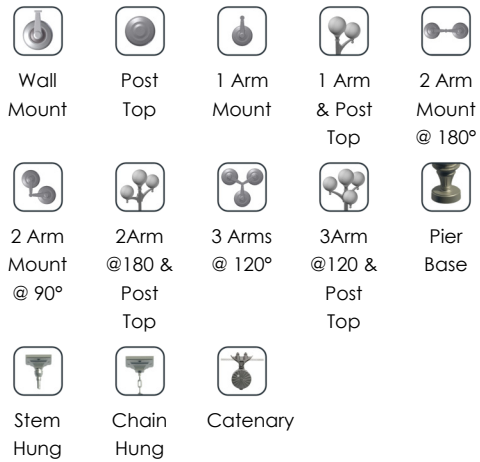
Distribution Type



CCT - Color Temp (K)



Mounting Configuration



Optional Control	PE: Twist-Lock Photocontrol (120V-277V)	
	PE4: Twist-Lock Photocontrol (347V-480V)	
	SC: Shorting Cap	
	PEC: Electronic Button Photocontrol (120V-277V)	
	PEC4: Electronic Button Photocontrol (480V)	
Optional Fuse	FHD: Double Fuse and Holder	
Optional Hangstraight	HSHS: Standard Horizontal Hangstraight, Spike Finial	
	HSHN: Standard Horizontal Hangstraight, No Finial	
	HSHB: Standard Horizontal Hangstraight, Ball Finial	
	EZ: Vertical Hangstraight, Large, "EZ" Mount	
Optional House Side Shield	HSSP: House Side Shield, Panel Style	
Optional Internal Diffusing Lens	SV1D: Light diffused internal dome lens	
	SV2D: Moderate diffused internal dome lens	
Optional Finial	CUP: Cast Cupola Finial	S: Spike Finial
	B: Ball Finial	
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board	
Finish	BKT: Black Textured	WHT: White Textured
	PGT: Park Green Textured	ABZT: Arch Med Bronze Tex
	DBT: Dark Bronze Textured	CM: Custom Match
	OI: Old Iron	RT: Rust
	WBR: Weathered Brown	CD: Cedar
	WBK: Weathered Black	TT: Two Tone
	VG: Verde Green	SI: Swedish Iron
	OWGT: Old World Gray Tex	
Light Source	LED	
	1L: 1 LED	
	CCT - Color Temp (K)	
	27: 2,700K	30: 3,000K
	35: 3,500K	40: 4,000K
Distribution Type	T2: Type 2	T3: Type 3
	T4: Type 4	T5: Type 5
Driver	MDL04: 120V-277V, 420mA	MDH04: 347V-480V, 420mA
	MDL07: 120V-277V, 700mA	MDH07: 347V-480V, 700mA
	MDL10: 120V-277V, 1050mA	MDH10: 347V-480V, 1050mA

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽⁵⁾ ⁽⁶⁾	Fixture	Fitter ⁽¹⁾	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount PT Post Top ⁽¹⁾ 1A 1 Arm Mount 1APT 1 Arm & Post Top ⁽¹⁾ 2A 2 Arm Mount @ 180° 2A90 2 Arm Mount @ 90° 2APT 2Arm @180 & Post Top ⁽¹⁾ 3A 3 Arms @ 120° ⁽²⁾ 3A90 3 Arms @ 90° 3APT 3Arm @120 & Post Top ⁽¹⁾ ⁽²⁾ 4A 4 Arms @ 90° 4APT 4Arm @90 & Post Top ⁽¹⁾ 1AM 1Arm MidMount 2AM 2Arm MidMount @180 450PB Pier Base ⁽¹⁾ SH44 Stem Hung ⁽³⁾ CH44 Chain Hung ⁽³⁾ CAT Catenary ⁽³⁾ ⁽⁴⁾		S640LED Seville S640LEDH Seville, Hanging ⁽⁷⁾	SF Standard Fitter FB Frog Base Fitter	1L 1 LED	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5	MDL04 120V-277V, 420mA MDH04 347V-480V, 420mA MDL07 120V-277V, 700mA MDH07 347V-480V, 700mA MDL10 120V-277V,1050mA MDH10 347V-480V,1050mA	CSA Clear Seeded Acrylic CTA Clear Textured Acrylic SV1 Flat SoftVue™ Light Diffused Acrylic SV1.5 Flat SoftVue™ Medium Diffuse Acrylic SV2 Flat SoftVue™ Moderate Diffused Acrylic SV4 Flat SoftVue™ Maximum Diffused Acrylic GCSA Gradient Frosted Clear Seeded Acrylic

Notes:

1. For use with Post Top fixture only.

2. Only available with a round profile pole.

3. For use with hanging (H) fixture only.

4. Requires EZ hang-straight.
5. Minimum 29" Overall Drop Length.

6. Required field for Stem or Chain Mounting Configuration.

7. Not for use with PT or PB mounting configuration.

How to Order

Optional Control Receptacle ⁽⁸⁾ ⁽⁹⁾ ⁽¹⁰⁾	Optional Control	Optional Fuse ⁽¹³⁾	Optional Hangstraight ⁽¹⁴⁾	Optional House Side Shield ⁽¹⁶⁾	Optional Internal Diffusing Lens	Optional Finial	Optional Fixed Dimming Resistor Board ⁽¹⁵⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹¹⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹¹⁾ SC Shorting Cap ⁽¹¹⁾ PEC Button Photo Control (120V-277V) ⁽¹²⁾ PEC4 Button Photocontrol (480V) ⁽¹²⁾	FHD Double Fuse and Holder	HS Standard Horizontal Hangstraight, Spike Finial HSN Standard Horizontal Hangstraight, No Finial HSB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹³⁾	HSSP House Side Shield, Panel Style	SV1D Light diffused internal dome lens SV2D Moderate diffused internal dome lens	CUP Cast Cupola Finial S Spike Finial B Ball Finial	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁷⁾ WHT White Textured ⁽¹⁷⁾ PGT Park Green Textured ⁽¹⁷⁾ ABZT Arch Med Bronze Tex ⁽¹⁷⁾ DBT Dark Bronze Textured ⁽¹⁷⁾ CM Custom Match ⁽¹⁸⁾ OI Old Iron ⁽¹⁸⁾ RT Rust ⁽¹⁸⁾ WBR Weathered Brown ⁽¹⁸⁾ CD Cedar ⁽¹⁸⁾ WBK Weathered Black ⁽¹⁸⁾ TT Two Tone ⁽¹⁸⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex

Notes:

8. Not for use with (S), (B) or (CUP) finial.

9. Not for use with STEM, CHAIN, CAT, or EZ mounting style.

10. Not for use with FDRB.

11. Requires control receptacle.

12. Only for use with CAT mounting configuration

13. Ships loose for installation in base.
14. Not for use with PT, AM, PB, SH, or CH mounting configuration.

15. Not for use with R7.

16. Not for use with TS optic.

17. Smooth finishes are available upon request.

18. Custom colors require upcharge.

Specifications

Fitter	Fitters are aluminum and will include stainless steel Allen-head set screws for attachment to a pole/tenon. The Standard Fitter (SF) tapers from the fixture to the pole and includes 8 set screws, it slips a 3" OD x 3" to 5" tall tenon The Frog Base Fitter (FB) is a decorative 4 leg open fitter that includes 4 set screws, it slips a 3" OD x 3" tall tenon
Recommended Arms	This luminaire pairs well with the variety of arms: 480, 478, TA and 6236 An assortment of alternate arms are available to suit any application. Build your assembly in Genesis to review different arm styles.
Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSX) is an aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Finial	Optional cast aluminum finials include a 4" tall cupola (CUP), a 4" tall ball (B) or a 6" tall spike (S)
Internal Lens	An optional internal diffusing dome lens can be added for visual comfort. Suggested for use with CSA lenses, but can be used in addition to any other external lens. Optional (SV1D) light diffused acrylic dome lens. Optional (SV2D) moderate diffused acrylic dome lens.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Optional glare reducing SoftVue™ lens provides optimal visual comfort. The lantern includes a variety of 1/8" thick lenses installed internally to the body and held in place with aluminum clips. (CSA) Clear Seeded Acrylic (CTA) Clear Textured Acrylic (SV1) Soft Vue Light Diffused Acrylic (SV2) Soft Vue Moderate Diffused Acrylic (SV4) Soft Vue Maximum Diffused Acrylic The (SV1.5) is a 4 sided 1 piece formed Soft Vue Medium Diffused Acrylic lens. The The (GCSA) starts as 4 individual Clear Seeded Acrylic lenses. A secondary laser process etches a frosted gradient to the lens creating a frosted top and clear bottom.
Serviceability	Easy access to service the lens in the field.
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations operating in an ambient temperature of up to 40°C (105°F)
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.

Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze
Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.
Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend Sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LEDs in this system will be fully shielded in a direct downward position to maximize efficiency. The luminaire shall use high output, high brightness LEDs, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high performance white LED's will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output. The High Brightness, High Output LEDs shall be 4000K (2700K, 3000K, 3500K or 5000K option) correlated color temperature (CCT). Photometrics comply with LM79 testing standards. CCT Lumen Derate Values from 4,000K (70+ CRI) 2,700K (80+ CRI)=.87 3,000K (70+ CRI)=.99 3,500K (80+ CRI)=.92 5,000K (70+ CRI)=.99 Consult factory for custom correlated color temperature (CCT) or color rendering index (CRI).
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	An optional "panel style" House Side Shield helps control backlight. A flat aluminum panel painted to match fixture replaces the lens on the house side.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	Button Photocell: The photocontrol shall be mounted on the "Catenary Box" and pre-wired to driver. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. See pole spec sheet for pole mounted version. Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is used with a WIRELESS CONTROLLER . Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.

Lumen Chart(s)

Tested with CSA lens

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
1L40T_MDL10	5370	B2U2G2	91.0	5455	B2U2G2	92.5	5240	B1U2G1	88.8	6300	B3U2G1	106.8	59
1L30T_MDL10	5235	B2U2G2	88.7	5315	B2U2G2	90.1	5105	B1U2G1	86.5	6140	B3U2G1	104.1	59
1L27T_MDL10	4755	B2U2G2	80.6	4830	B2U2G2	81.9	4640	B1U2G1	78.6	5580	B3U2G1	94.6	59
1L40T_MDL07	3955	B1U2G1	98.9	3995	B2U2G2	99.9	3885	B1U2G1	97.1	4510	B2U2G1	112.8	40
1L30T_MDL07	3855	B1U2G1	96.4	3895	B2U2G2	97.4	3785	B1U2G1	94.6	4395	B2U2G1	109.9	40
1L27T_MDL07	3500	B1U2G1	87.5	3535	B2U2G2	88.4	3440	B1U2G1	86.0	3995	B2U2G1	99.9	40
1L40T_MDL04	2545	B1U2G1	101.8	2575	B1U2G1	103.0	2485	B1U1G1	99.4	2845	B2U2G1	113.8	25
1L30T_MDL04	2480	B1U2G1	99.2	2510	B1U2G1	100.4	2420	B1U1G1	96.8	2775	B2U2G1	111.0	25
1L27T_MDL04	2255	B1U2G1	90.2	2280	B1U2G1	91.2	2200	B1U1G1	88.0	2520	B2U2G1	100.8	25

S640LED - Post Top

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
1L40T_MDL10	6555	B2U2G2	111.1	6685	B2U2G2	113.3	6745	B1U2G2	114.3	7080	B3U3G1	120.0	59
1L30T_MDL10	6390	B2U2G2	108.3	6515	B2U2G2	110.4	6575	B1U2G2	111.4	6900	B3U3G1	116.9	59
1L27T_MDL10	5805	B2U2G2	98.4	5920	B2U2G2	100.3	5970	B1U2G2	101.2	6270	B3U3G1	106.3	59
1L40T_MDL07	4635	B2U2G2	115.9	4755	B2U2G2	118.9	4740	B1U2G2	118.5	4985	B2U2G1	124.6	40
1L30T_MDL07	4515	B2U2G2	112.9	4635	B2U2G2	115.9	4620	B1U2G2	115.5	4860	B2U2G1	121.5	40
1L27T_MDL07	4105	B2U2G2	102.6	4210	B2U2G2	105.3	4195	B1U2G2	104.9	4415	B2U2G1	110.4	40
1L40T_MDL04	2910	B1U2G1	116.4	2975	B1U2G1	119.0	2980	B1U2G1	119.2	3120	B2U2G1	124.8	25
1L30T_MDL04	2835	B1U2G1	113.4	2900	B1U2G1	116.0	2905	B1U2G1	116.2	3040	B2U2G1	121.6	25
1L27T_MDL04	2575	B1U2G1	103.0	2635	B1U2G1	105.4	2640	B1U2G1	105.6	2760	B2U2G1	110.4	25

S640LEDH - Hanging

Hangstraight

Horizontal Hang-straight slip fit 4" long by 2-3/8" OD horizontal tenon



Standard Horizontal Hangstraight,
Spike Finial (HSHS)



Standard Horizontal Hangstraight, Ball
Finial (HSHB)



Standard Horizontal Hangstraight, No
Finial (HSHN)



"EZ" Vertical hangstraight (EZ)

Options



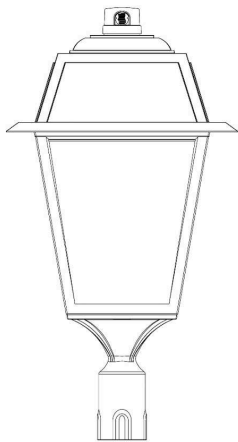
Fixed Dimming Resistor Board
(FDRB)



Double Fuse Holder & (2) 3A Fuses (FHD)



Internal Diffused Soft Vue Dome (SV1D/SV2D)

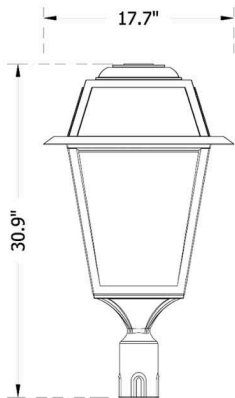


7-Pin NEMA Twist-Lock Receptacle and Photocell
(R7-PE)

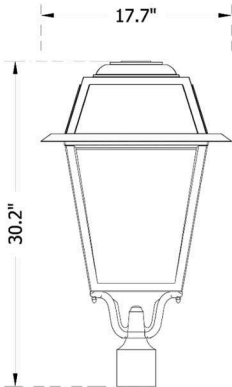


NEMA Receptacle Shorting Cap (SC)

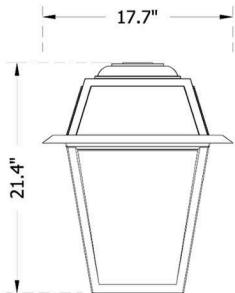
Dimensions



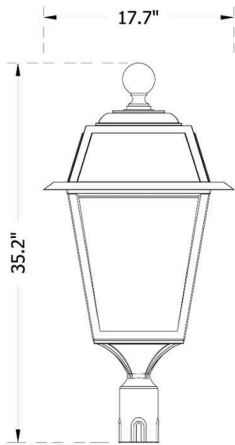
Post Top, Standard Fitter (S640LED-SF)



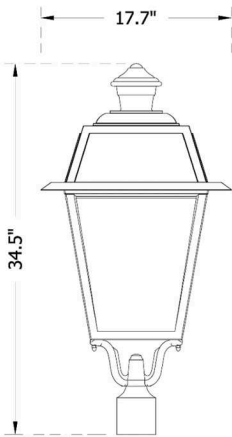
Post Top, Frog Base Fitter (S640LED-FB)



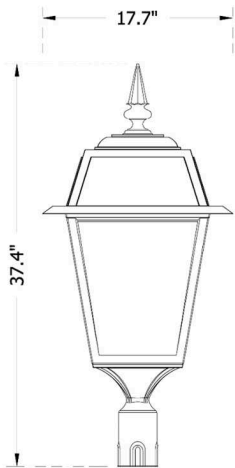
Hanging (S640LEDH)



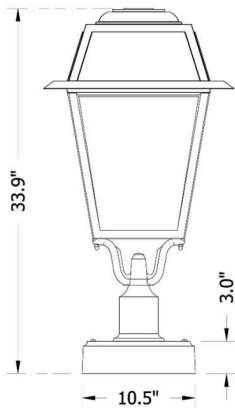
Post Top, Standard Fitter, Ball Finial (S640LED-SF-B)



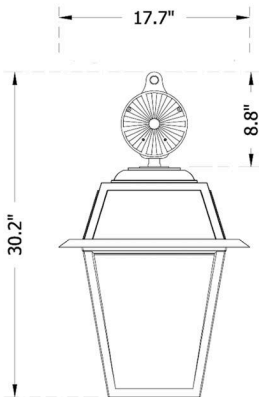
Frog Base Fitter, Cupola Finial (S640LED-FB-CUP)



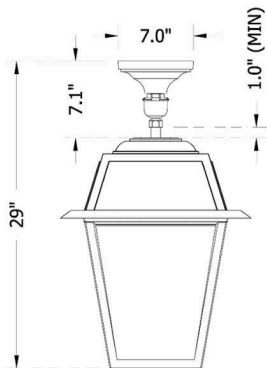
Post Top, Standard Fitter, Spike Finial (S640LED-SF-S)



Pier Base (450PB)



Catenary Mount (CAT)



Stem Hung/Chain Hung (SH44/CH44)

Recommended Arms

An assortment of alternate arms are also available



(480) Arm



(478) Arm



(6236) Arm



(TA) Arm