



S640LED SEVILLE SERIES

LED

EPA
2.5 (ft²)
WEIGHT
25 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
2,240 to
7,080

LIFE SPAN
L70
MINIMUM
100,000
HOURS

UL
LISTED

CLICK
FOR FAQ's

JOB NAME

FIXTURE TYPE

MEMO

BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-S640LED-SF-IL40T3-MDL10-SV1.5-R-PE/480PM/3610FP4/SCC/BKT**

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option Internal Lens	Option Hang-straight	Option House Side Shield	Option Finial	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

Mounting Configuration

(Click here to link to mounting configuration specification page)

- IW • 2A90 • 4A • 450PB²
- PT • 2APT • 4APT • SH44³
- 1A • 3A • 1AM • CH44³
- 1APT • 3A90 • 2AM • CAT
- 2A • 3APT • 44PB¹

W = Wall Mount PT = Post Top A = Arm Mount AM = Arm Mid-Mount PB = Pier Base SH = Stem Hung CH = Chain Hung CAT = Catenary

¹ For use with "FB" fitter only

² For use with "SF" fitter only

³ Include overall drop length in inches after designation for stem/chain application (IE: CH44 - 48")

Fixture

- S640LED • S640LEDH⁴

⁴ Not for use with PT or PB mounting configuration.

Fitter⁵

- SF (Standard Fitter)
- FB (Frog Base Fitter)

⁵ Not for use with S640LEDH unit.

LED

- IL

CCT - Color Temperature (K)

- 27(00) • 30(00) • 35(00) • 40(00) • 50(00)

Type

- T2 • T3 • T4 • T5

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)

Lens (Click here to link to lens option specification page)

- CSA (Clear Seeded Acrylic)
- CTA (Clear Textured Acrylic)
- SV1 (Flat Soft Vue Light Diffused Acrylic)
- SV1.5 (Flat Soft Vue Medium Diffuse Acrylic)
- SV2 (Flat Soft Vue Moderate Diffused Acrylic)
- SV4 (Flat Soft Vue Maximum Diffused Acrylic)
- GCSA (Gradient Frosted Clear Seeded Acrylic)

Options (Click here to view accessories sheet)

- R7⁶ 7-Pin control receptacle only
- PE⁷ Twist-Lock Photocontrol (120v-277v)
- PE3⁷ Twist-Lock Photocontrol (347v)
- PE4⁷ Twist-Lock Photocontrol (480v)
- SC⁷ Shorting Cap
- FHD⁸ Double Fuse and Holder
- SVID Soft Vue Light Diffuse, Internal Dome Lens
- SV2D Soft Vue Moderate Diffuse, Internal Dome Lens
- HSHS⁹ Standard Horizontal Hangstraight, Spike Finial
- HSHN⁹ Standard Horizontal Hangstraight, No Finial
- HSHB⁹ Standard Horizontal Hangstraight, Ball Finial
- EZ⁹ Vertical Hangstraight, Large, "EZ" Mount
- HSS 90° House Side Shield (Single Lens Panel)
- B¹⁰ Ball Finial
- S¹⁰ Spike Finial
- CUP¹⁰ Cast Cupola Finial

⁶ Not for use with EZ, HSV or CAT mount, or 'S', 'B' or 'CUP' finial.

⁷ Not for use with PT, PB, SH, CH or CAT mounting configuration.

⁸ Ships loose for installation in base.

⁹ Not for use with PT, AM, PB, SH or CH mounting configuration.

¹⁰ Not for use with S640LEDH.

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- 480 • 6236 • TA • 779

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish (Click here to view paint finish sheet)

Standard Finishes¹¹

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

¹¹ Smooth finishes are available upon request.

Custom Finishes¹²

- CM Custom Match
- OI Old Iron
- RT Rust
- WBR Weathered Brown

- CD Cedar
- WBK Weathered Black
- TT Two Tone

¹² Custom colors require upcharge.

Sternberg Select Finishes

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

Specifications

Fixture

The Seville is a medium scale 4 sided traditional lantern. The luminaire shall be made of heavy wall cast aluminum alloy. The luminaire shall be provided with a cast aluminum roof with integral heat sink to provide maximum life and performance for the LED light source. The S640LEDH version includes a lensed bottom for more efficient light output. The Luminaire shall be UL listed in US and Canada.

Fitter

The fitter or base shall be heavy wall cast aluminum, alloy for high tensile strength. The Standard fitter fits a pole or tenon with a height ranging from 3" to 5". The Frog Base fitter fits a 3" tall pole or tenon.

LED's

The luminaire shall use high output, high brightness LED's, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (5000K, 3000K,

See next page



SternbergLighting

ESTABLISHED 1923

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LED

3500K or 2700K option) color temperature with a minimum of 70 CRI. Consult factory for custom color CCT. The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Optics

The luminaire shall be provided with individual, molded silicone refractor type optics applied to each COB (Chip On Board) LED assembly. The optic shall be at least 92% efficient while providing superior thermal, UV and impact resistance for the COB assembly. The optic ensures precise light control while providing cutoff control that limits or contains up-light. 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.

Electronic Driver

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10V signal, consult factory for more information.

Photocontrols

Twist-Lock Style: The photocontrol shall be mounted externally on the fixture 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. Photocontrol is 120-277 volt and warranted for 6 years.

Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

Finish

Refer to website for details.

Performance of S640LED (Based on CSA lens)

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

Performance of S640LEDH (Based on CSA lens)

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



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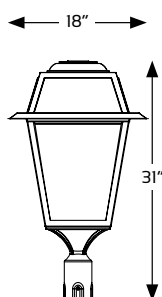
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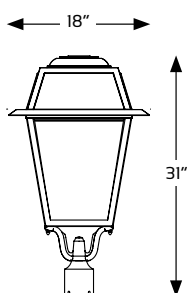
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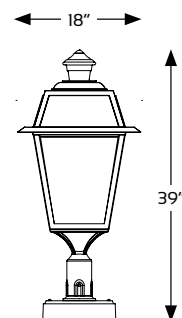
Fixtures



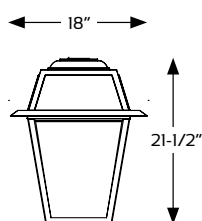
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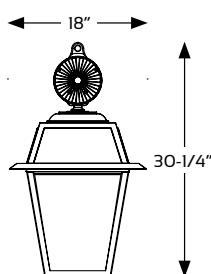
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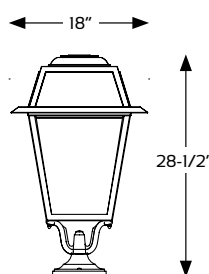
S640LED-SF-CUP



S640LEDH

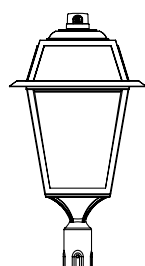


CAT-S640LEDH



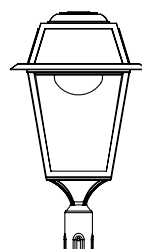
44PB-S640LED-FB

Options



R-PE

Optional Twist-lock
Photocontrol



SVDI

Optional Soft Vue
Medium Diffuse,
Internal Dome Lens



S

Optional Spiked Finial
2-1/2"W x 6-3/8"H



B

Optional Ball Finial
3"W x 4-3/8"H



CUP

Optional Cupola Finial
4-3/4"W x 4-3/8"H



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