



# S640LED SEVILLE SERIES

LED

EPA  
2.5 (ft<sup>2</sup>)  
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)

- 1W
- 2A90
- 4A
- SH44<sup>1</sup>
- PT
- 2APT
- 4APT
- CH44<sup>1</sup>
- 1A
- 3A
- 1AM
- CAT
- 1APT
- 3A90
- 2AM
- 2A
- 3APT
- 44PB

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

<sup>1</sup> Include overall drop length in inches after designation for stem/chain application (IE: CH44 - 48")

### Fixture

- S640LED
- S640LEDH<sup>2</sup>

<sup>2</sup> Not for use with PT or PB mounting configuration.

### Fitter<sup>3</sup>

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

<sup>3</sup> Not for use with S640LEDH unit.

### LED

- IL

### CCT - Color Temperature (K)

- 27(00)
- 30(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 Diffused 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)

- R<sup>4</sup> 3-Pin control receptacle only
- R5<sup>4</sup> 5-Pin control receptacle only
- R7<sup>4</sup> 7-Pin control receptacle only
- PE<sup>5</sup> Twist-Lock Photocontrol (120v-277v)
- PE3<sup>5</sup> Twist-Lock Photocontrol (347v)
- PE4<sup>5</sup> Twist-Lock Photocontrol (480v)
- SC<sup>5</sup> Shorting Cap
- FHD<sup>6</sup> Double Fuse and Holder
- SVID Soft Vue Light Diffuse, Internal Dome Lens
- SV2D Soft Vue Moderate Diffuse, Internal Dome Lens
- HSHS<sup>7</sup> Standard Horizontal Hangstraight, Spike Finial
- HSHN<sup>7</sup> Standard Horizontal Hangstraight, No Finial
- HSHB<sup>7</sup> Standard Horizontal Hangstraight, Ball Finial
- EZ<sup>7</sup> Vertical Hangstraight, Large, "EZ" Mount
- HSV<sup>7</sup> Vertical Hangstraight, Standard
- HSS 90° House Side Shield (Single Lens Panel)
- B<sup>8</sup> Ball Finial
- S<sup>8</sup> Spike Finial
- CUP<sup>8</sup> Cast Cupola Finial

<sup>4</sup> Not for use with FINIAL, EZ or HSV.

<sup>5</sup> Requires control receptacle.

<sup>6</sup> Ships loose for installation in base.

<sup>7</sup> Not for use with PT, AM, PB, SH or CH mounting configuration.

<sup>8</sup> 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 Finishes<sup>9</sup>

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

<sup>9</sup> Smooth finishes are available upon request.

#### Custom Finishes<sup>10</sup>

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

- CD Cedar
- WBK Weathered Black
- TT Two Tone

<sup>10</sup> 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 sync 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 (3000K or 5000K

See next page

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LED

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

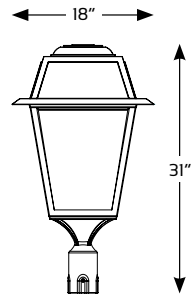
## Performance of S640LEDH (Based on CSA lens)

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

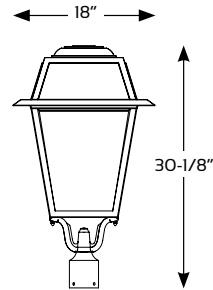
# S640LED SEVILLE SERIES

LED

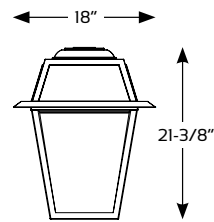
## Fixtures



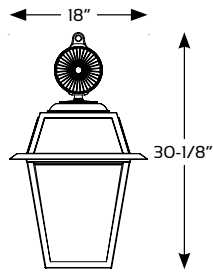
S640LED-SF



S640LED-FB

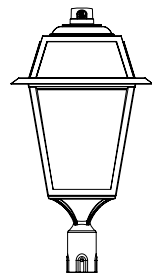


S640LEDH



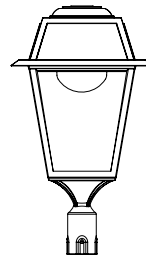
CAT-S640LEDH

## 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

\* Only available with PT and AM mounting



**SternbergLighting**

ESTABLISHED 1923 / EMPLOYEE OWNED

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