



Symphonic X-Series

Spring City's newest addition to the Symphonic LED Line is redefining industry performance ratings and increasing ROI for its consumers. This progressive solution unites all of the traditional Symphonic system components into one unified structure. Aptly named the Symphonic X-Series LED System, the new line is a fusion of engineering and architectural brilliance. The system's strong foundation from proven engineered innovations of the Coolcast Thermal Management System and Crossfire Optics; and it's designed to fit and perform inside a traditional acorn globe. These advancements result in overwhelming superiority compared to similar systems on the market - providing increased lifetime, improved ROI, and the ability to achieve more than 121 lumens per watt.



ALMWSH-L1 with 118 Globe



Spring City™

Symphonic



X-SERIES ADVANTAGES

- The X-Series will provide you with the longevity demanded in an LED luminaire. The Coolcast Thermal Management System protects the light engine and ensures a long life!
- The optical system of the X-Series is engineered to provide superior efficacy and better uniformity. The LED board location within the globe combined with the refractive optical system provides high efficacy of more than 121 lumens per watt.
- Due to the optical performance of the system, the ROI is improved by allowing for lower wattages or greater pole spacing.
- Reduced initial cost of the system due to the limited number of components required.

FITTER OPTIONS

The Symphonic X-Series is available with the following globe (shown right) and fitter options (shown below).

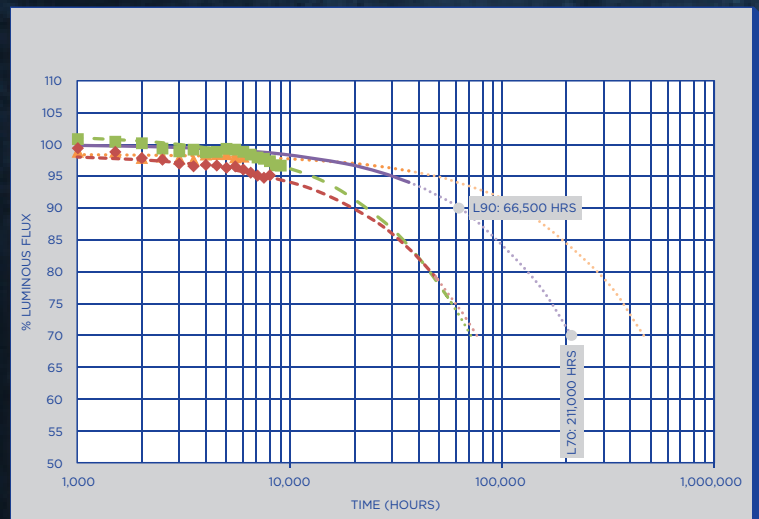


*Available with glass globe

THERMALS

The revolutionary Coolcast Thermal Management System introduced with the Symphonic LED line is re-imagined in the X-Series. With over 700 sq. inches of surface area and 15 lbs. of mass, the Symphonic X-Series effectively dissipates and absorbs heat away from the diodes. The structural shape of the X-Series' Coolcast System is architected to split the wattage density in half to allow the heat to be effectively pulled downward through the vertical ribbing keeping the light engine at a low stable temperature. This process protects the LED light engine, therefore protecting the life of the lumens. Seen within the L90 report, at 66,500 hours, the patent pending Spring City X-Series produce 90% of the initial light output. Due to a strong thermal management system, the LED system will have a longer operating life, higher efficacy, and lower maintenance costs.

LED	L 90 REPORT		
LED	1000 mA		
	T _s IT	si (INTERPOLATED)	T _s 2
T _{sp}	55°C	68°C	85°C
T _{sp}	328.15 K3	41.15 K3	58.15 K
Ea/kB	-11179.79		
A	7.2072E-22		
α	4.506E-07	1.230E-07	2.597E-08
β	9.901E-019	.862E-01	9.824E-01
CALCULATED L70	L70(12K) > 209,000 HRS	L70(11K) > 200,000 HRSL	70(11K) > 200,000 HRS
REPORTED L70	L70(12K) > 209,000 HRS	L70(11K) > 66,500 HRS	L70(11K) > 200,000 HRS
CALCULATED LIFETIME		L90(11K) = 200,000 HRS	
REPORTED LIFETIME		L90(11K) > 66,500 HOURS	



ALMWSH-LE__-L1-EVX-__-CR3-YS11-CU

GLOBE OPTIONS



192 Globe
and Finial



G637 Globe
Glass Globe



299 Globe



107 Globe
and Finial

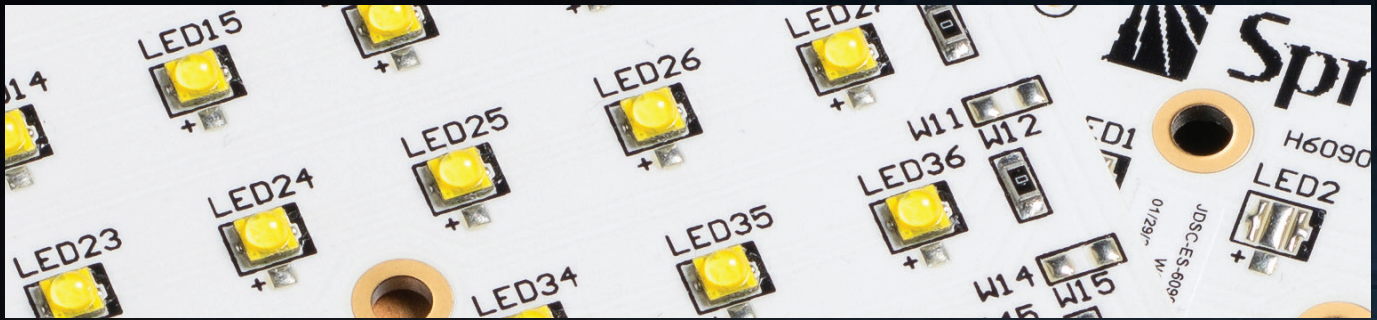


118 Globe
and Finial



199 Globe

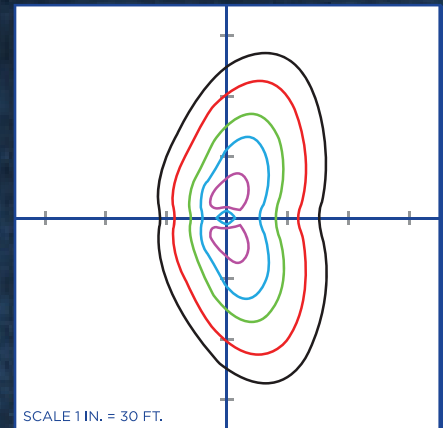




OPTICS

The Symphonic X-Series optics are positioned at a 65° vertical and 70° horizontal angle to produce a type III directional light source. The angles of the boards, as well as the height of the optics, coupled with refraction technology provide a directional light that is unimpeded. The arrangement of the led boards allows the light to be directed at the task. In addition, the Coolcast structure is coated in a 92% reflective high gloss white for minimum light loss within the globe. All of these elements harmonize together in an acorn globe luminaire that produces more than 121 lumens per watt, while providing performance that allows for greater pole spacing and better uniformity.

WASHINGTON X-SERIES LED



ALMWSH-LE120-L1-EVX-45-CR3-YS11-CU
HORIZONTAL FOOTCANDLES
LIGHT LOSS FACTOR = 0.81
LUMINAIRE LUMENS = 13098
MOUNTING HEIGHTS = 16.00 FT.
MAXIMUM CALCULATED VALUE = 3.01 FC

ELECTRICAL

The electrical system is composed of the best chips on the market, manufactured by CREE, and a Class One driver. The combination of these two components greatly improves the efficiency of the system. By utilizing a Class One driver, the Symphonic X-Series allows our system to have more flexibility for multiple wattage options. Optimal system efficiency is achieved through the combination of the Class One driver, series LEDs configuration, low forward voltage and utilizing the driver's wattage potential.



The Symphonic LED system warrants the LED driver and LED arrays against defects in material and workmanship while in proper usage for a period of 10 years from shipment date. The LED arrays are built in series circuits that maintain overall light output in the event of a single LED failure. A single LED failure shall be replaced under the warranty terms. Replacements will be furnished in exchange for defective units. The furnishing of such new units shall constitute fulfillment of Spring City Electrical Manufacturing's

obligation and liabilities. The foregoing warranties are in lieu of all other expressed and implied warranties, including, without limitation, warranties of merchantability and fitness for purpose. Spring City Electrical Manufacturing will not allow or be liable, under any circumstances, for any special, incidental, indirect or consequential damages or claims arising from the supply or use of any material furnished by it. We assume no responsibility for field modification of any kind made to any of our products.

Terms and conditions apply.



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