



LED Street and Tunnel Lighting



Why Choose KEMET

KEMET applies world-class service and quality to deliver industry-leading, high performance capacitance solutions worldwide. With 95% of possible dielectric solutions, KEMET offers the world's most complete line of surface mount and through-hole capacitor technologies across tantalum, ceramic, film, aluminum and paper dielectrics. One world. One KEMET.

Features & Benefits

- Replacement opportunity for mercury and sodium vapor lamps in support of European Union Regulation EC 245/2009
- Wide array of solutions to accommodate design parameters such as output power and string voltage
- All products designed to fulfill application lifetime requirement of > 20 years
- Decades of experience in lighting, industrial and automotive applications
- UL, CECC and ENEC approvals
- Global manufacturing and local development and service
- Standard, optimized and custom designs available

Product Checklist

- Which LED type/brand is used?
- What is the targeted output voltage, current and power?
- How many LEDs are connected in series, and how many strings of LEDs are connected in parallel?
- What is the environmental temperature for the capacitors?
- What space is available, especially if an axial electrolytic is used? Does it need to be mounted vertical?
- When does the design-in window close, and when is the production start foreseen?
- What is the expected annual demand after ramp-up?
- Who will produce the design (e.g., which EMS if applicable)?
- Are there any special requirements?

For more information, samples and engineering kits, please visit us at www.kemet.com or call 1.877.myKEMET.

Programs Supported

- AC/DC converters, EMI filters
- LED driver circuits
- Microcontroller units

KEMET Products

Product Family	KEMET Series	Form
AC/DC Converters, EMI Filters		
Standard Film – X & Y	X2: PHE840, R46	Box type, wire terminals
Capacitors	Y2: PHE850, R41	
LED Driver Circuits		
Standard Film	F461-464, R76, PHE450, F611-612	Box type, wire terminals
Aluminum Electrolytic	PEG225, PEH124, A521, A141	Axial
Ta MnO2	T491, T494, T495	SMD
Ta KO	T520, T521, T525, T530	SMD
Ceramics	Standard X7R, X5R	SMD
Microcontroller Unit		
Ceramics	Standard X7R, X5R	SMD

Block Diagram

