



SnapBrite™ – SF295C6W-12V

Data Sheet

SF295C6WXXK-12

6W 12V AC-LED, Filament Design

The SnapBrite™ SF295C6WXXK-12V, Filament Design, AC-LED Assembly delivers 240-360 “hot” operating lumens based on CCT and CRI at 70° C Tj. Parallel circuits within the assembly provide maximum end product reliability. Each assembly is dimmable and can be powered direct with 12V AC magnetic or electronic transformers. For maximum performance in non-retrofit applications, Lynk Labs BriteDriver® power supply is recommended.



Applications:

- **Step Lights**
- **Accent Lights**
- **Under Cabinet Lights**
- **Garden Lights**
- **Display Lights**
- **Plant Growth Lights**
- **Aquatic Lights**

Benefits:

- **Significant Energy Savings – Uses up to ten times less power!**
- **Compatible with existing 12V AC Power Supplies – Plug & Play!**
- **Dimmable – Works with most existing AC Dimmers!**
- **Durable Light Source!**
- **Long Operating Life – 50,000 hours if used as specified!**





- **Electro-Optical Characteristics**

Model Number	CCT	VAC	Power	Lumen	lm/W
SF295C6W27K-12	2700K	12 VAC Maximum	6 Watt	240	40
SF295C6W30K-12	3000K	12 VAC Maximum	6 Watt	276	46
SF295C6W40K-12	4000K	12 VAC Maximum	6 Watt	324	54
SF295C6W50K-12	5000K	12 VAC Maximum	6 Watt	360	60

Note: Lynk Labs lm/W is based on product level operating lumens - "HOT" lm/W powered with 12 VAC max at Ta = 25°C & Tj = 70°C. Die Efficacy is 80-90 lm/W based on instantaneous DC voltage "COLD" lm/W per individual die at Tj = 25°C. Lynk Labs AC LED are integrated circuits that include part of the drive circuitry and so eliminate on board driver efficacy losses.

- **Operating Characteristics (single Lamp)**

Characteristic	SF295C6WXXK-12
Drive Voltage	Minimum = 7.5 VAC, Maximum = 12.0 VAC
Thermal Management	T-Junction Maximum = 70°C
Viewing Angle	140°
CCT Options (W-C)	3000K, 4000K, 5000K per ANSI_NEMA_ANSI C78.377-2008
CRI Options (W-C)	Standard = 85, High = 92

- **Powering Specifications**

Power Supply/Driver	Output RMS	Frequency	Minimum Load	Dimming
BriteDriver®	12 VAC	44 kHz	1 Watt	Input
12 VAC Magnetic	12 VAC	50/60 Hz	5 Watt	Input

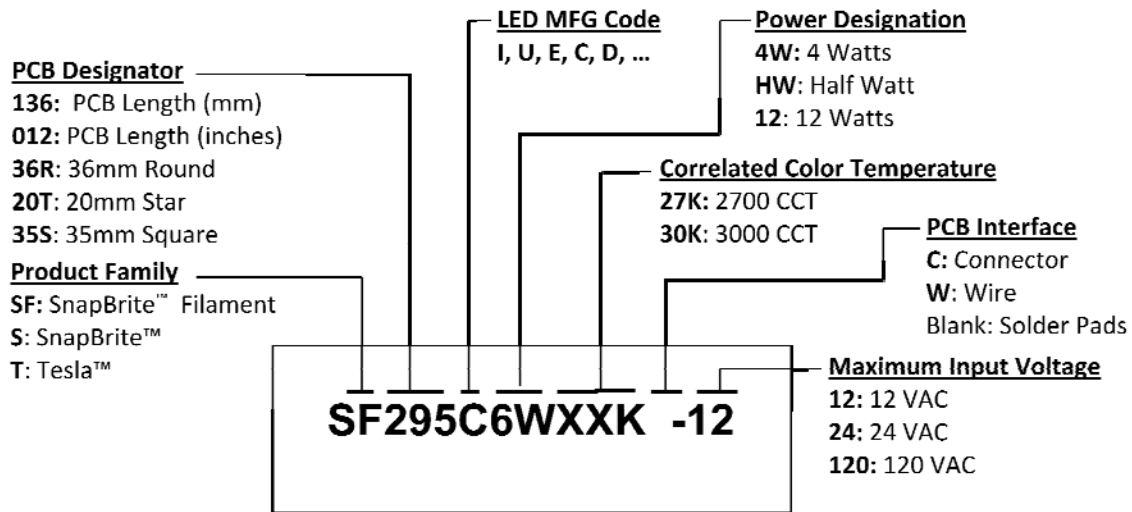
Warning – Do Not Power LED Assembly with More Than 12V AC. Use only with Lynk Labs' BriteDriver® AC LED Power Supplies or other approved transformers. Any Exceptions Void all warranties. Contact Lynk Labs for details and approvals.

- **Dimensions – Single LED Assembly**

SF295C6WXXK-12	Length	Width	Height
Size in Millimeters	295 mm	10 mm	2 mm
Tolerance	+/- 0.254mm	+/- 0.254mm	+/- 10%



- **Model Numbering Description**



- **Design Considerations/Specifications**

1. Thermal Management Requirements

- a. Heat Sink Required (22 square cm/watt surface area)
- b. Thermal epoxy – No mechanical mounting required
- c. Thermal tape – No mechanical mounting required
- d. Thermal grease – Mechanical mounting required

2. Mechanical Mounting

- e. Use nylon washers for all mounting holes when using screws.
- f. Do not put force on LEDs.
- g. Do not bend PCB.

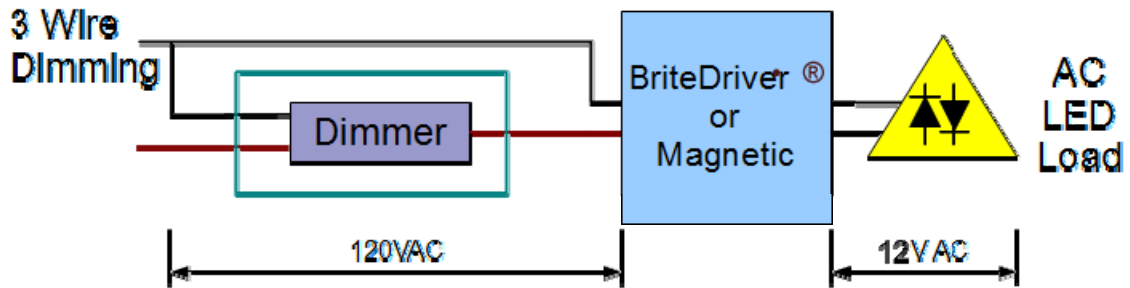
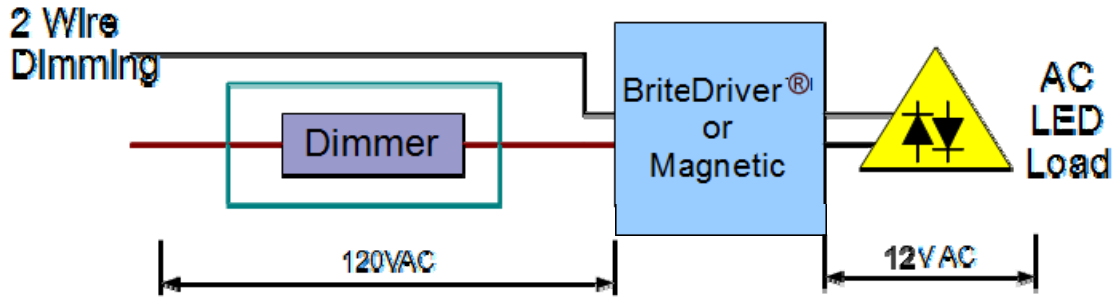
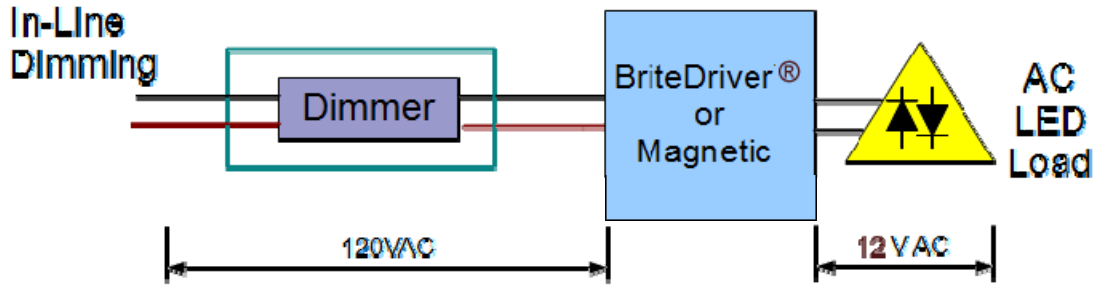
3. Electrical Interface

- h. Solder Pads
- i. 18-22 AWG Stranded wire
- j. Strain relief required





• Typical Dimmer Configurations



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- For SnapBrite™ Pricing, Availability and Ordering information, contact:



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