



SnapBrite™ Linear AC-LED Module Data Sheet

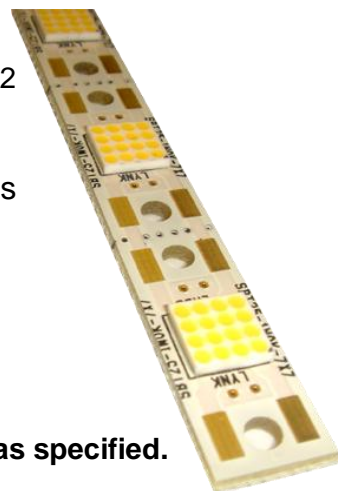
S30012XK-12

12W 12V AC LED Module

The Snapbrite™, 12 Watt AC-LED Module provides an extremely flexible lighting platform that can be used in several applications. The S30012XK-12 is specifically designed to work in 12V AC powering systems and can be used for; Under Cabinet Lighting, Accent Lighting, Display & Showcase Lighting and more. It can also be broken down in to sub lengths of multiples of 1" to give even greater flexibility of application.

Key benefits for this product include:

- **Significant Energy Savings – Uses up to ten times less power.**
- **Compatible with most existing 12V AC Power Systems.**
- **Dimmable – Works with most existing AC Dimmers.**
- **Long Operating Life – >50,000 hours (70% lumen depreciation) if used as specified.**



• Electro-optical Characteristics

Model Number	CCT	VAC	Power	Lumen	lm/W
S300123K-12	3000K	12 VAC Maximum	12 Watt	576	48
S300124K-12	4000K	12 VAC Maximum	12 Watt	648	54
S300125K-12	5000K	12 VAC Maximum	12 Watt	720	60

LPW data is based on system efficiency @ 12 VAC. Values based on Ta = 25°C & Tj = 70°C.

• Operating Characteristics

Characteristic	S30012XK-12
Drive Voltage	Minimum = 9.0 VAC, Maximum = 12.0 VAC
Thermal Management	T-Junction Maximum = 70°C
Viewing Angle	120°
CCT Options (W-C)	3000K, 4000K, 5000K per ANSI_NEMA_ANSI C78.377-2008
CRI Options (W-C)	Standard = 85 (5000K); 75 (3000K); Custom High CRI = 92

• Powering Specifications

Power Supply/Driver	Output RMS	Frequency	Minimum Load	Dimming
BriteDriver™	12 VAC	40 kHz	1 Watt	Input
12 VAC Magnetic	12 VAC	50/60 Hz	5 Watt	Input

Warning – Do Not Power this product 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.





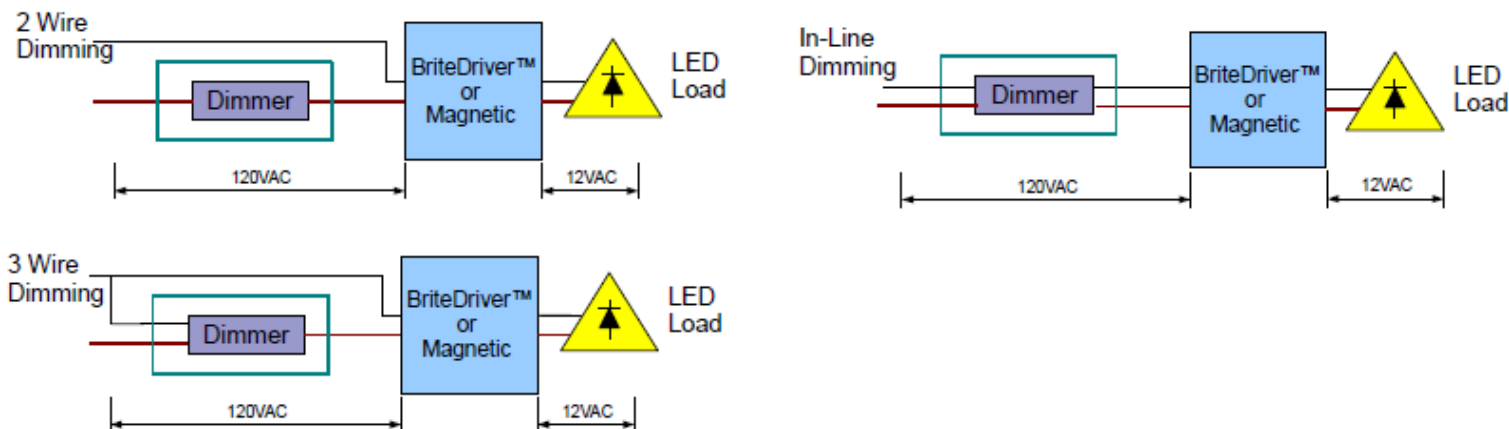
• **Dimensions – SnapBrite™ S30012XK-12 AC-LED Module**

S30012XK-12	Length	Width	Height
Size in Millimeters	300.0 mm	10.0 mm	1.2 mm

• **Design Considerations**

- **Thermal Management;** Mount on properly designed thermally conductive surface. A Heat Sink is required which is rated for 26 square cm/watt surface area. The S30012XK-12 is consuming 1 Watt per Inch of PCB. The Module should be attached to the heat sink using Thermal Epoxy or Thermal Tape (no mechanical mounting required) or Thermal Grease (mechanical mounting required).
- **Mechanical Mounting;** Do not put force on the LEDs. Do not bend the PCB. Follow the Thermal Management requirements.

• **Typical Dimmer Configurations**



- **Pricing, Availability and Ordering information is available from Lynk Labs at:** Telephone; 847-783-0123, Email; sales@lynklabs.com, Web; www.lynklabs.com

