

## **SECTION 7 – COVE LIGHTS, STEP & THEATRE LIGHTING**



### **DESCRIPTION**

Cove lighting is one of many applications of Smartlite strip lights. They have been used in many applications for both up and down lights shining down from Kitchen cupboards and similar. For your in house movie room blue is very popular and red or blue for the bar area. Now also available in the new warm white for a more incandescent type colour

### **APPLICATIONS**

For use in any indoor area where a down light or cove like effect is desired

### **DIMENSIONS**

The product is available in 10mm or 20mm width to suit and lengths vary from 76mm long to 304mm long which are then connected to suit any length of an installation

### **TECHNICAL**

Varies by colour of light, lengths and type of product chosen

### **OPTIONS**

Any LED colour and as described above. In a number of situations the product used has been 76mm long sections and these have been connected in such a way as to have gaps of up to 50mm between in order to reduce costs.



# SmartLite Leds

AUSTRALASIA Pty Ltd

svi



## SaVi<sup>TM</sup>

architectural LED lighting

**SaVi Step** is designed to light up the edges and/or riser of a conventional step. The illumination is made available by Light Emitting Diodes (LEDs) that have 50,000 to 100,000 hours of lamp life (color dependent.)

**CAPABILITIES:**

- 50,000 to 100,000 hour lamp life
- The Edge & Riser LEDs are available in red, white and blue.
- The LED Step Light is manufactured out of aluminum alloy with a non skid/slip surface
- Finished with a black anodized coating for durability and weather ability

**SPECIFICATIONS:**

**UL Listed:** Low Voltage Luminaires for dry locations only  
UL file No. E243017

**Electrical Rating:** 24VDC, 2.4 Watts per foot

**Dimensions:** 3.05"(W) x up to 96"(L) x 1.37"(H)  
77.90mm x up to 2,438mm x 34.82mm

**Maximum Length:** 96"

**Ambient Operating Temp:** 32°F to 110°F 0°C to 43.3°C

**Weight:** 1 lb. per foot

**Warranty:** 2 year warranty



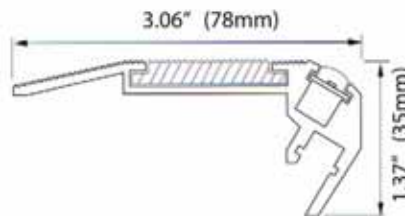
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TECHNICAL SPECIFICATIONS |  
**SaVi™**

SaVi™ Step



\* Up to 96" (2438mm) Length Maximum

Project:	_____
Type:	_____
Voltage:	_____
Notes:	_____
	_____



**DESCRIPTION**

The SaVi™ Step lighting system - SL1000 is designed to light up the edges and/or riser of a conventional step. The illumination is made available by Light Emitting Diodes (LEDs) that have 50,000 to 100,000 hours of lamp life (color dependent). The Edge & Riser LEDs are available in red, white and blue. Optional Step Light Row Indicators are also available in numbers, letters, and exit or handicap symbols. These indicators can be added to each end of the Step Light and will illuminate in white. **The LED Step Light is manufactured out of aluminum alloy with a non skid/slip surface and is finished with a black anodized coating for durability and weather ability.**

**SPECIFICATION FEATURES**

**UL Listed:** Low Voltage Luminaries for dry locations only UL file No.E243017

**Electrical Rating:**  
24VDC, 2.4 Watts per foot

**Power Supplies:**

0.2.024V 60Watt Operates 20 Feet (6m)  
 EVPS150-24 150 Watt Operates 40 Feet (18m)  
 EVPS320-24 320 Watt Operates 85 Feet (26m)

**Dimensions:** 3.06" (W) (78mm) x up to 1.37" (35mm) H x 96" (2438) Maximum Length

**Ambient Operating Temp:**  
32°F to 110°F 0°C to 43.3°C

**Weight:** 1 lb. per foot

**Warranty:** 2 year warranty

**ORDERING INFORMATION**

<p><b>MODEL</b></p> <p>SL1000 - SaVi Safety Step Lighting System</p>	<p><b>POWER</b></p> <p>24 VDC</p> <p>*Note: use power supplies listed above</p>	<p><b>STEP NOSE LED's POWER</b></p> <p>Step Edge Light LED's</p> <p>R - Red LEDs          W - White LEDs          B - Blue LEDs          N - No LEDs</p>	<p><b>STEP RISER LED's</b></p> <p>R - Red LEDs          W - White LEDs          B - Blue LEDs          N - No LEDs</p>	<p><b>ROW IDENTIFIER PLATES</b></p> <p>N - Number 1-100          L - Letter A-Z          H - Handicap          E - Exit          C - Custom</p>	<p><b>OPTIONS</b></p> <p>W - Wire way</p>
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## SMARTLITE STAR CEILING EFFECTS



The star ceiling effect is used in many applications not necessarily limited to star ceilings. For example **Smartlite** has used them in stage curtains for a sparkle effect, behind waterfalls to give more of a glow worm type effect, in ponds to provide a reflection of stars, in signs for creating motion in the sign, in the floor and sides of swimming pools and spas, for just something different, in caves or recesses behind waterfalls, in entrance foyers in the floor and of course for actual star ceilings or star walls or pillars or similar.

In Smartlite the star ceiling effect is made up of 3 basic components and each plays a major role in the overall effect.

Firstly the light engine or illuminator which determines the brightness of the “**star ceiling**” and how many ‘stars’ can be used. Smartlite has done a number of applications where the “star ceiling” is the only light source besides say gaming machines, or games room for TV’s and in signage etc. In these applications a very bright light engine is chosen to provide the right level of light. With specialised illuminators it is also able to simulate shooting stars, novas, and nebulas.

The second critical feature of a star effect is the choice of colour wheel as that will determine the final effect. Smartlite has a large range of colour wheels which range from simple white or grey sparkle to blue reverse sparkle or colour change plus sparkle or any amount of basic colour change options. The ceiling in this picture is just a basic colour change without sparkle as it is the only form of light in the room beyond the poker machines.

The third element is the actual fibres used in the star effect. Smartlite recommends the use of 4 different sizes of fibres to provide a 3 dimensional effect in whatever circumstances that the effect is required. Consequently Smartlite uses 0.5mm diameter fibres through to 1.5mm fibres in varying ratios to suit the application.

The basic components of a star ceiling need to be costed for each application but are generally at a low price point for a fantastic effect.

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