



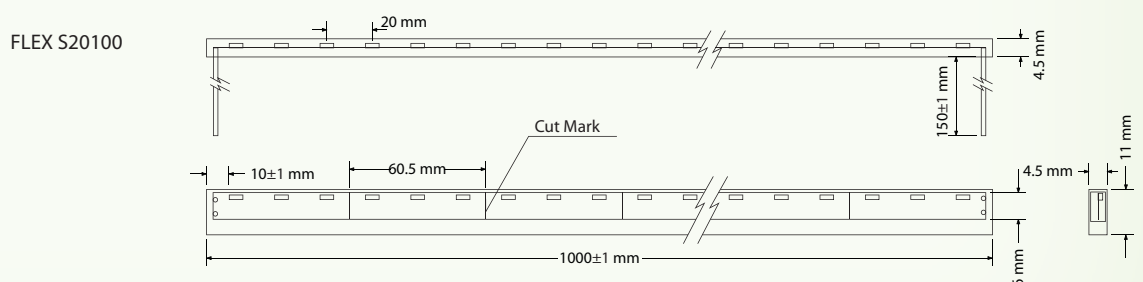
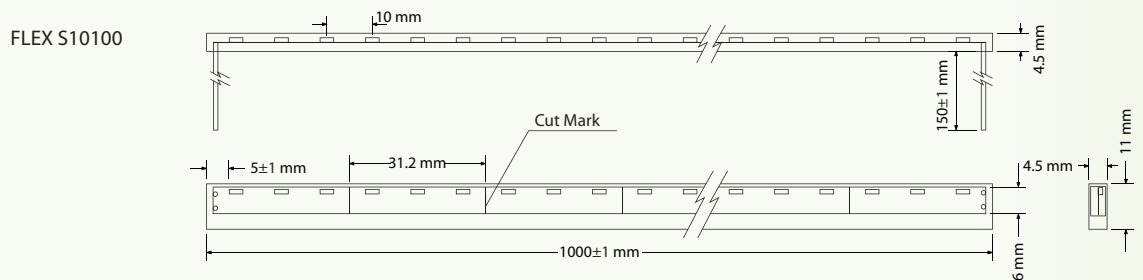
**FLEXIBLE LED STRIPS FOR EXTREMELY NARROW APPLICATIONS**

The FLEX SIDE VIEW SERIES S10100 & S20100 is a linear-type side-view flexible LED module with 10/20mm LED pitch which is perfect for extremely compact channel letters and side emitting applications. The FLEX SIDE VIEW SERIES S10100 & S20100 has the identical architecture, it's light comes from the side. Both are ideal for both indoor and outdoor applications. With it's transparent flexible resin it has protection against weather, rain, snow, direct sunlight and dust. Cut every three LEDs to fit in any space. Luminous intensity is excellent by comparison to other products. And the result?, fantastic.

- Long life expectancy is guaranteed up to 42,500 hours maintaining lighting output level at 70%  
\*24 hour constant load may result less operating hours with lower lighting output. Estimated lifetime is based on normal usage of 10 hours per day.
- IP65 : Prevents water & dust penetration
- Extremely small and light solution for use of confined spaces
- Energy efficient
- Easy on-site installation
- Can be cut and rejoined every 3 LED lamps

**PHYSICAL**

Model	Length	Width	Thickness	Weight	Lamp Pitch
FLEX S10100	1000mm	11mm	4.5mm	80g	10 mm (96 Lamps)
FLEX S20100	1000mm	11mm	4.5mm	60g	20 mm (48 Lamps)



### ELECTRICAL CHARACTERISTICS

Model		Current	Power	Operating	Maximum
		Dissipation	Consumption	Power	Serial Connection
FLEX S10100	White	493mA	5.9W	DC12V	3 Meters
	Warm White	480mA	5.9W	DC12V	3 Meters
FLEX S20100	White	190mA	2.3W	DC12V	3 Meters
	Warm White	177mA	2.3W	DC12V	3 Meters

Electronic dimming control supported

### OPTICAL CHARACTERISTICS

Model	Color	Luminous Flux (lumen)		Dominant Wave Length & Color Temperature		Viewing Angle
		Min	Max	Min	Max	2 $\Theta$ <sub>1/2</sub>
		FLEX S10100	White	81lm	113lm	
Warm White	81lm		113lm	2,900K	3,200K	
FLEX S20100	White	40lm	56lm	7,000K	10,000K	60
	Warm White	40lm	56lm	2,900K	3,200K	

\*CRI (Color Rendering Index) for white product types is 70 / \*Spectral width at half of the peak intensity / \*Luminous Flux measuring equipment is CAS140B

\*Viewing angle is the off axis angle from lamp centerline where the luminous intensity is half of the peak value / \*CCT 5% tester tolerance

\*Dominant wavelength is derived from the CIE 1931 Chromaticity diagram and represents the perceived color

\*Color temperature for white is strictly controlled by bin rank system and it consists of three ranks which should not be used simultaneously.

### THERMAL

Cooling : Ambient air  
 Maximum operating temperature : 60°C (140°F)  
 Minimum operating temperature : -25°C (-13°F)  
 Maximum storage temperature : 60°C (140°F)  
 Minimum storage temperature : -30 C (-22 F)

### SAFETY FEATURES

IP65 : Prevents water & dust penetration

### CONSTRUCTION

Flexible PCB : Polyimide base with copper circuit  
 Protective body : Epoxy filled transparent resin  
 LED Lamp : 1chip, Side View type  
 Number of LED lamps per unit : 96(S10100)/48(S20100)  
 Transparency through panel (typical light viewing area) : >94%  
 Color : Clear resin body with white PCB

### APPLICATIONS

Open face channel letters  
 Reverse halo  
 Border lighting  
 Point-Of-Purchasing signage  
 Art & sculpture and cove lighting

### APPROVAL

EN 55015/A2 : 2009  
 EN 61547/2009  
 EN 62031/2008  
 EN 62471/2006



### FEATURES



42,500H  
LIFETIME

IP65

DC12V



Specifications subject to change without notice