

# Hi Beam Full Spectrum

LED TAPE LIGHT



Project Name:

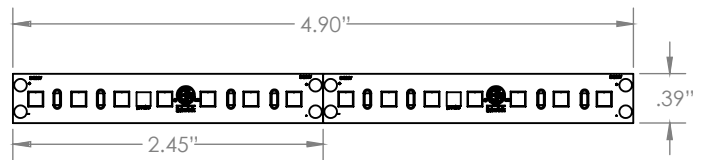
Fixture Type:

## DESCRIPTION

All PreciseLED tape light products feature a flexible copper core and are cut and soldered to specified length in our factory. PreciseLED tape lights additionally have best-in-class color rendering, color consistency, and, when combined with our dimming drivers, dimming and flickering performance. Hi Beam Full spectrum Tape Light utilizes Seoul SunLike LED chips which contains the full spectrum similar to that of sunlight. The SunLike LED chips fundamentally transforms LED lighting technology by removing the blue LED light source and replacing it with a purple light LED chip.

## SPECIFICATION

- Voltage: 24V
- Watts per foot: 4.6W/ft
- Average Lumens per foot: 325 Lm/ft
- 3030 Violeds LED's
- 35 diodes/foot
- Dimmable using dimmable driver
- Backed with 3M Adhesive
- Ambient Temperature: -4°F ~ +113°C
- Humidity: 40% ~ 70% R
- IP Protection: IP20 or IP67 with IP67 channel
- Tail end field cuttable every 2.45 Inches
- 50,000 Hours Lamp Life
- Max Run: 17 Feet
- 3 Step Binning Process
- CRI ≥ 95 , R<sub>r</sub> ≥ 95 , R<sub>g</sub> ≥ 100
- UL Listed for US and Canada
- 5 Year Warranty



Please see PreciseLED.com for warranty and installation information.

## ORDERING CODE

Example: HIFS-16'-24V-95C-30K

Product	Spool Length	Volts	CRI	Color Temperature
HIFS	'ft      "in	24V 24 Volts	95 95CRI	27K 2700K 30K 3000K 40K 4000K 50K 5000K
	Custom Length			
	For ordering lengths, see page 3.			

## COMPATIBLE TAPE LIGHT DRIVERS

<p>Lutron Dimming Drivers</p> <p>LA &amp; LP Series</p>	<p>Wet Location 0-10V Dimmable Drivers</p> <p>ZO Series</p>	<p>Magnetic Dimming Drivers</p> <p>MG Series</p>	<p>Wet Location Non-Dimming Drivers</p> <p>NN Series</p>	<p>Plug-In Drivers</p> <p>PI Series</p>
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Click [here](#) for a more detailed Driver Overview.

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## LED TAPE LIGHT

Project Name:

Fixture Type:

Optional Wiring Configurations	Description	Ordering Code
	Custom Tail Wire Length	TAIW
	Custom Lead Wire Length	LEAW
	Tail Jumper Cable	JUMP
	2.1MM DC CONNECTOR (FEMALE)	PLGF
	2.1MM DC CONNECTOR (MALE)	PLGM

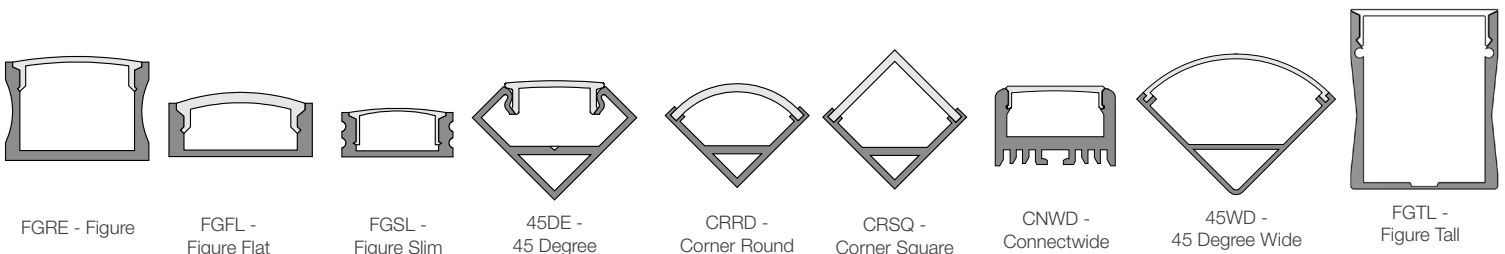
\*Default wire length is 12", no number in front of ordering code indicates default length

Note: Solder points are secured with cable grips.

### ORDERING CODE

Example: HIFS-16'-24V-95C-30K-EGNT-14TAIW

### COMPATIBLE TAPE LIGHT CHANNELS



Click [here](#) to view our Tape Light Channels

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## LED TAPE LIGHT

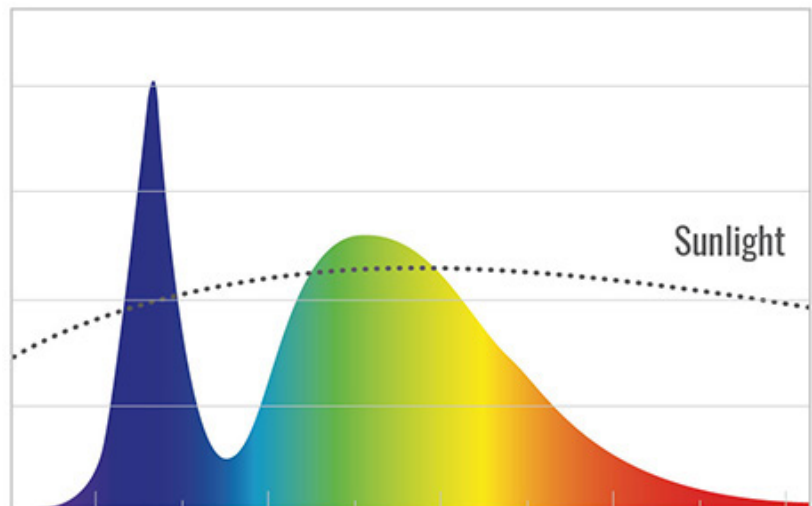
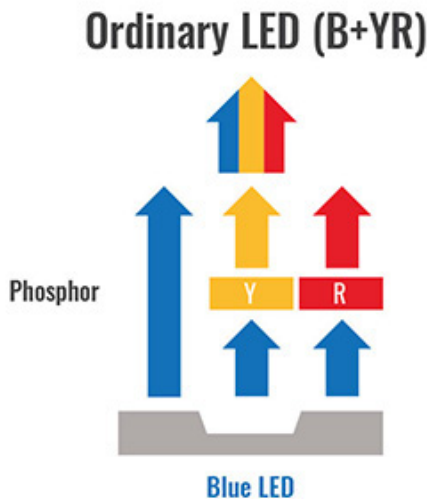
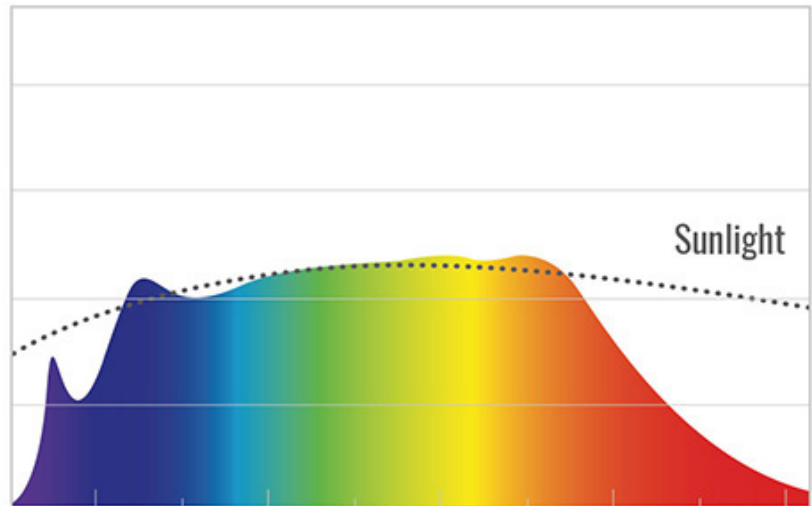
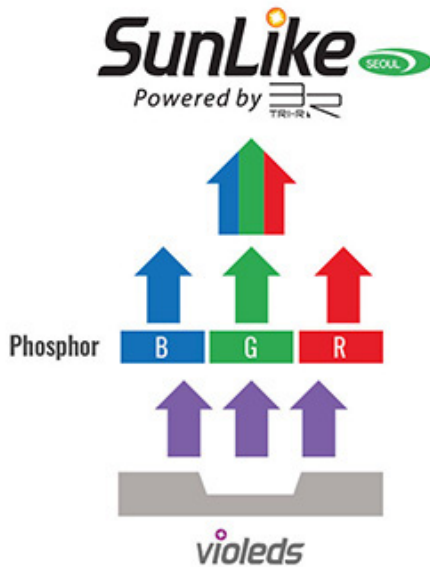
Project Name:

Fixture Type:

### ■ SUNLIKE TECHNOLOGY OVERVIEW

Hi Beam Full spectrum Tape Light utilizes Seoul SunLike LED's which have both excellent color rendering properties and visibility. Scattering of light increases as the wavelength is getting shorter which means energy level is getting higher. Ordinary LED (B+YR) has remarkably different spectral characteristics compare to natural light. The cause is the production of its white emission. Its compositions are Blue LED transmitted light and phosphor that's formed by excitation emission of Yellow and Red those absorbed Blue light. Thus protrusion of Blue transmitted light territory enlarges. This Blue transmitted light (Blue Light) is at the early stage of discussion since it may cause eyestrain or headache, sleeping disorder and such.

Color rendering property is the numerical rate of this illumination light's influence on projection to object when observed by a person. General evaluation system of the property is called, 'CRI' is the average rendering color evaluation number. Further, there are cases to apply, 'CQS' is evaluation system that is constructed bases on rather subjective capture of color by human sensitivity. Seoul SunLike LED's marked extremely high rates on both scales. At average rendering color evaluation, CRI, it marked Ra97, and for new evaluation system, CQS, it scored Qa97. CRI and CQS are artificial indices for digitally defining the spectral shapes of light sources. Since not equipped to define all of the colors in nature, if there are high intensity or absence in a given spectral region, CRI unable to describe them. Seoul SunLike LED's contains the entire spectrum of colors comparable to that of sunlight, so it is capable of reproducing the color of gold with all of its complex reflections, or even a pale flesh tone like skin through which blood vessels can be seen. An ordinary LED spectrum is very different then sunlight, whereas the spectrum of the SunLike LED's is almost the same, as can be seen in the figures below.



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■ PHOTOMETRIC AND TM-30 DATA

3000K CCT

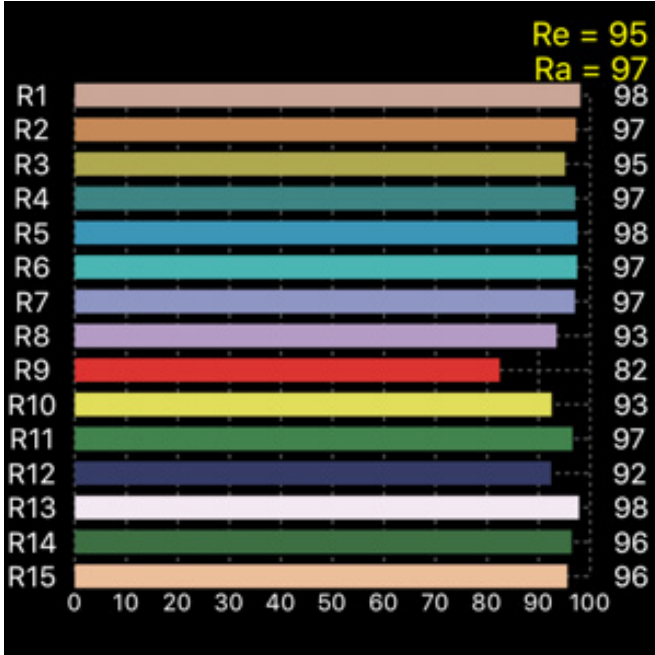


FIGURE 1.1

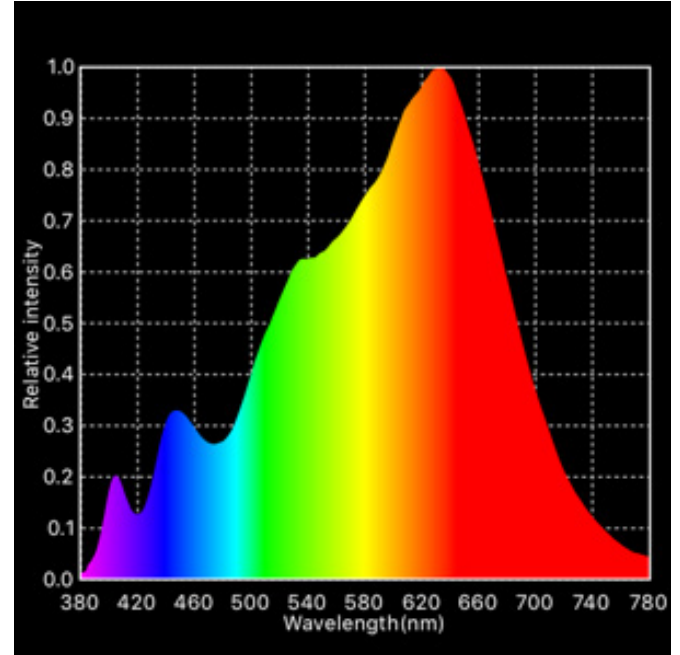


FIGURE 1.2

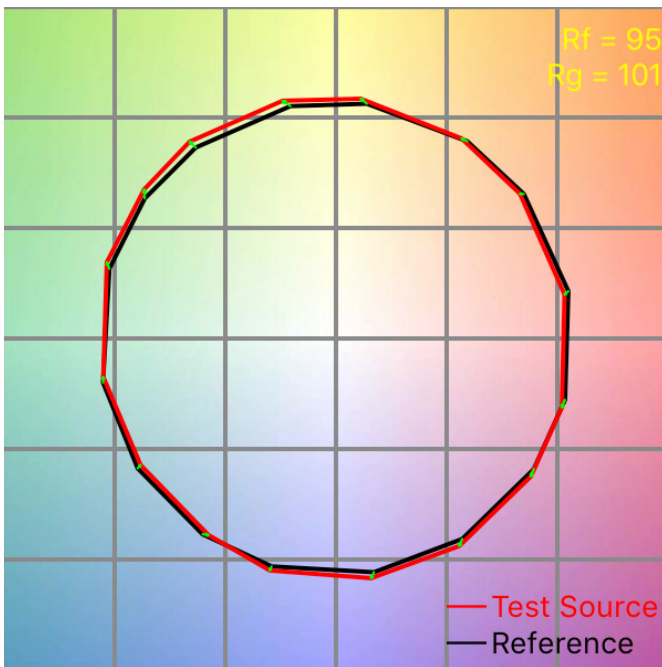


FIGURE 1.3

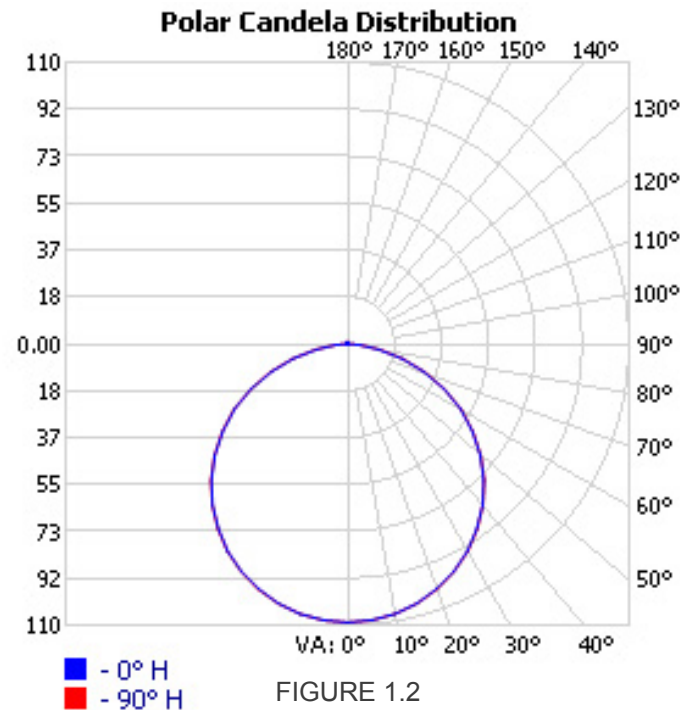


FIGURE 1.2