

Customer Name


Project Name

Part Number

Description

The AcuVivid-Fit™ White LED Strip lets you create an unlimited professional lighting design with high-quality components plus high density. The minimal 5mm board width allows the user to install nearly any area and helps reduce the cost of other accessories. The AcuVivid-Fit™ have a range of temperatures from 2200K to 6500K, and power options from 1W/ft to 5W/ft.

Product Specifications

Input Voltage	24V DC	Cuttable Segments	0.79 in (20 mm)
Limiting Control Method	CV - Constant Voltage	Segment Width	0.20 in (5 mm)
LED Chip Type	High Quality 3014 LED Chip	Luminous Flux Maintainance	75,000 hrs ¹
LED Density	90 LEDs/ft / 300 LEDs/m	Mounting	Non-Porous: 3M VHB Adhesive Mounting Tape
Board Type/Color	4 oz Density Copper, White PCB	Environmental	IP 40 (Indoor - Dry) / IP 68 (Damp - Wet)
Beam Angle	120°	Warranty	15 Year Limited
Operation Temperature	-20°F to 120° F	Power Consumption:	Based on Power / ft
Product Weight IP 40 / IP 68:	Based on Power / ft	Certifications:	 US UL E479339



Electrical Photometrics²

Nominal CCT (K)	Luminous Flux (lm/ft)	Luminous Efficacy (lm/W)	CIE (x,y)	Duv1	CRI	TM-30-15	
						Fidelity (Rf)	Gamut (Rg)
2200 K	419	67.0	(0.5066, 0.4080)	-0.0022	93.9	92	99
2500 K	481	76.2	(0.4708, 0.4075)	-0.0018	95.0	93	98
2700 K	494	79.0	(0.4531, 0.4064)	-0.0010	97.8	95	100
3000 K	532	85.6	(0.4255, 0.4009)	+0.0005	96.8	93	98
3500 K	520	81.8	(0.4043, 0.3827)	-0.0033	94.0	90	97
4000 K	510	82.5	(0.3778, 0.3703)	-0.0023	97.1	93	100
5000 K	529	85.9	(0.3398, 0.5502)	+0.0014	97.5	94	100
5700 K	534	85.3	(0.3262, 0.3349)	-0.0003	93.6	90	99
6500 K	559	88.8	(0.3068, 0.3190)	+0.0011	92.2	86	95

1 - After 75,000 hrs: 30% Luminous Flux loss, 10% Chromaticity change, as per L-80-15.

2 - Photometric values obtained from NVLAP test report for 5W/ft strips.

Ordering Guide

Series	Voltage ¹	Control	CCT ²	IP ³	W/f ⁴
ACUFIT	24	CV	XX	XX	XX
			22	40	01
			25	68	02
			27		03
			30		04
			35		05
			40		
			50		
			57		
			65		

Product Country of Origin

Product Engineering & Design	USA
Assembled	USA
QC Quality Control	USA
Product Customization	USA
Technical Support	USA

¹ Voltage - AcuVivid-Fit™ White LED Strips 24 V.

² CCT - Correlated Color Temperature, represented by the first 2 digits of the nominal CCT.

³ IP - Varies on environment application, indoor or outdoor.

⁴ W/f - Power consumption preferred by customer (1W/f to 5 W/f).

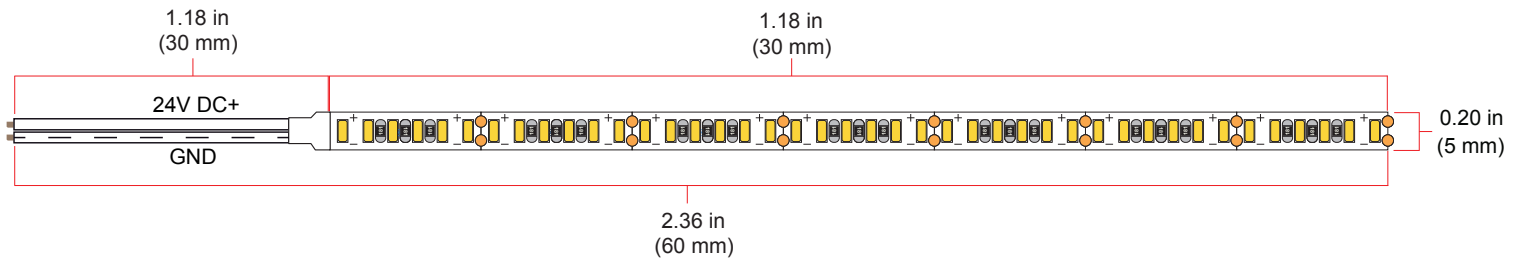
ACUFIT-24 CV	22	40	01
			02
			03
			04
			05
	68	01	
		02	
		03	
		04	
		05	
	25	40	01
			02
03			
04			
05			
68	01		
	02		
	03		
	04		
	05		
27	40	01	
		02	
		03	
		04	
		05	
68	01		
	02		
	03		
	04		
	05		

ACUFIT-24 CV	30	40	01
			02
			03
			04
			05
		68	01
			02
			03
			04
			05
	35	40	01
			02
			03
			04
			05
		68	01
			02
			03
			04
			05
40	40	01	
		02	
		03	
		04	
		05	
	68	01	
		02	
		03	
		04	
		05	

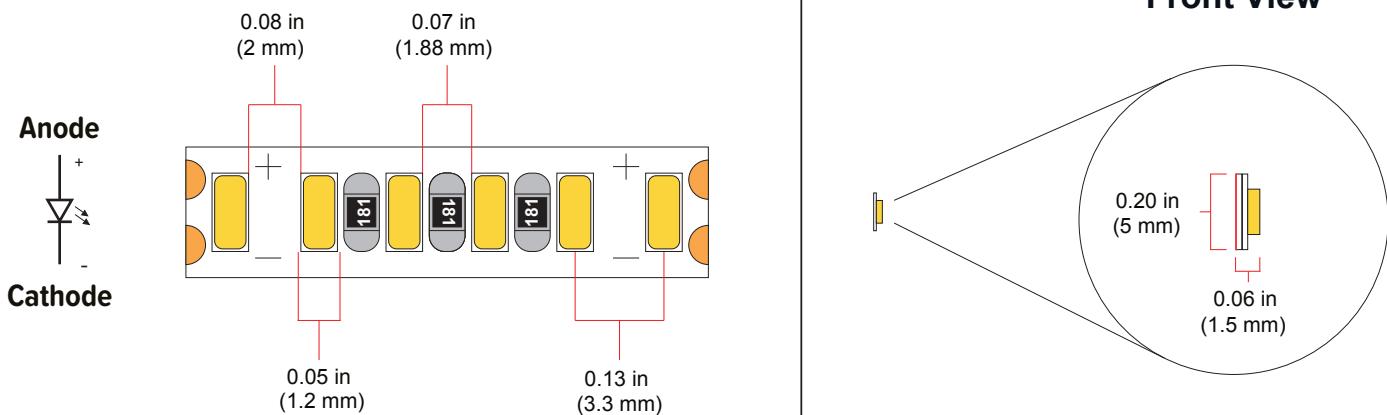
ACUFIT-24 CV	50	40	01
			02
			03
			04
			05
	68	01	
		02	
		03	
		04	
		05	
	57	40	01
			02
03			
04			
05			
68	01		
	02		
	03		
	04		
	05		
65	40	01	
		02	
		03	
		04	
		05	
68	01		
	02		
	03		
	04		
	05		

Mechanical Dimensions

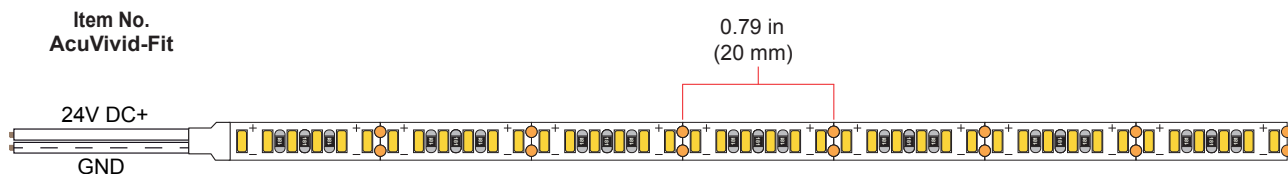
Top View



Front View



Cuttable Segments



The AcuVivid-Fit Strips are cuttable every 6 pixels. You need to cut at 0.79 in (20mm), represented where the solder joints are.

Note

- LED electrical and photometric characteristics change with the manufacturing batch/bin date. Approximately 3-Step MacAdam Ellipses between batches.
- We reserve the right to change any data without prior notice.

Accessories Compatible

This list shows some of our most sellable accessories compatible with this product. For a complete list, please visit our website.



Meanwell 24V PSUs
LED-PS24V-90W-UL



Magnitude Dimmable PSUs
PS24V96W-DIM



SIRS-E® RF Controllers
RF-MZR-10H



SIRS-E® DMX Controllers
DMX-CON3-C2



SE Aluminum Extrusion



SIRS-E® Single Color
Wire Leads



About Us



SIRS-E® /semiconductor • illumination • research • solutions /

In 2004, SIRS-E® began research into the use of high powered LED components to be applied in direct lighting fixtures and LED strips.

In 2005, SIRS-E® developed the RGB HPL01 – 12 watt (60 lumens per watt efficiency) RGB lighting fixture controlled via DMX using LumiLEDs, one of the first high powered LEDs eventually acquired by Phillips. Included in early research solutions, was the development and testing of many different LED strips intended to be used for direct RGB lighting and effects applications. This was the beginning of what we now know as SIRS – Electronics.