



## FlexLED 120 White 12V

Industry Standard 2700K, and 5600K High CRI  $\geq 95$   
120 LED/Meter Flex LED Tape in 12V DC  
2.5CM Cutting Length!

Medium density white 12V FlexLED strips utilizing the same white chip as the rest of our 24V FlexLED lineup ensures colour consistency across all of our 12V and 24V products.

Suitable for on-camera use, or anywhere a high-quality white light is required.

High CRI (Colour Rendering Index)  $>95$ . No green spike or color spectrum deficiencies.

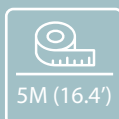
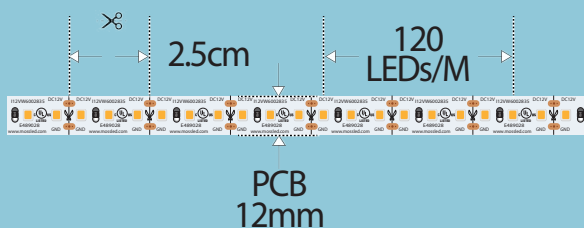
Indoor and weatherproof strips have 3M double-sided tape on the back which makes installation as easy as peel n stick.

Waterproof must be mounted using silicone (not provided)  
Controller, power supply and extension cables sold separately  
Quantity discounts and custom color temperatures available.

Please call 1.800.924.1585 or email [info@mossled.com](mailto:info@mossled.com) to inquire.

Soldering Guidelines:  
Soldering iron should be between  $360^{\circ}\text{C}$  and  $372^{\circ}\text{C}$ . Please ensure not to heat each solder pad for longer than 3 seconds otherwise separation of the solder pads can occur.

Sold in standard 5 meter lengths



## TECHNICAL SPECIFICATIONS

NO:

WHITE

1	PRODUCT TYPE	WARM WHITE (2700K)	COOL WHITE (5600K)
2	PRODUCT CODE	I12VWW276002835	I12VCW566002835
3	CRI / TLCI	≥95	
4	COLOUR TEMP. OR WAVELENGTH	2700K +/-100K	5600K +/-100K
5	PCB COLOUR	WHITE	
6	CURRENT, RATING	1.6A / PIXEL	
7	VOLTAGE	12 VDC	
8	WATTAGE	19.2 W / PIXEL	
9	CC / CV	CONSTANT VOLTAGE	
10	IP RATING	IP43	
11	LUMENS/METER @ FULL	1000 lm / METER	
12	LIFETIME*	50,000 HOURS	
13	PIXEL PITCH	2.5CM	
14	LED QUANTITY	120 LED / METER	
15	NUMBER OF CONTACTS	2	
16	LED TYPE	2835	
17	PCB COPPER QUANTITY	2 Oz.	
18	OPERATING TEMPERATURE RANGE	-40° ~ 70° C	
19	AGENCY RATINGS	UL - E489028, CE, RoHS	
20	PCB WIDTH	10MM	
21	MAXIMUM RECOMMENDED LENGTH	5 METERS	
22	CUTTING LENGTH	3 LEDs 2.5CM	
23	VIEWING ANGLE	120 DEGREE	
24	ADHESION	TESA 4965	

\* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE  
FlexLED 120 White 12V SKU ORDERING CODES

-	I	12	V	XX	27	600	2835	-	-	-
1	2	3	4	5	6	7	8	9	10	11
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	Kelvin	LED Qty.	LED Type	PCB Colour	PCB Coating	Connector

### 1 Family Series

-

### 2 IP Rating

I IP41 - Indoor Use Only  
O IP65 - Weatherproof  
W IP68 - Waterproof

### 3 Voltage

24V 24VDC (Standard)  
12V 12VDC (Standard)  
5-36V Custom Order

### 4 Voltage Type

V Constant Voltage (Standard)  
C Constant Current (Optional)

### 5 Colour Temperature Range

UWW Ultra Warm White  
WW Warm White  
W White  
NW Neutral White  
CW Cool White  
UCW Ultra Cool White

### 6 Colour Temperature

27 2700K  
41 4100K  
56 5600K  
XX (Custom CCT Available)

### 7 LEDs per 5 meter Reel

600 600 LEDs

### 8 LED Type

2835 2835 Chipset

### 9 PCB Colour Options

White (Standard - Not Shown)  
Black (Optional)  
Green (Optional)  
Red (Optional)  
Yellow (Optional)  
Blue (Optional)

### 10 PCB Coating

- No Coating (Standard)  
GS ENIG Gold Series

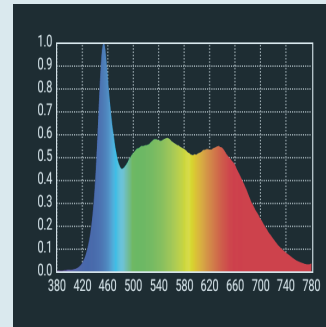
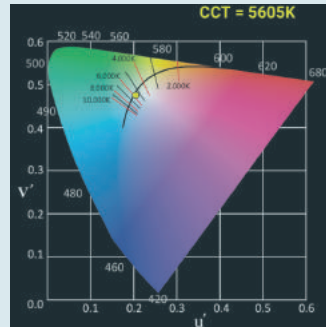
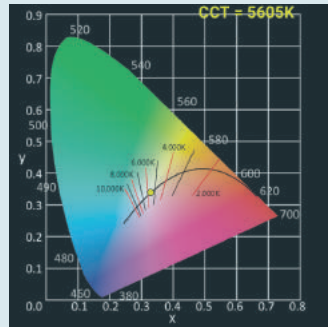
### 11 Connector

- No Connector (Standard)  
DC DC 2.5 X 5.1MM Barrel Connector

FLEXLED 120 White 12V SKU ORDERING CODES

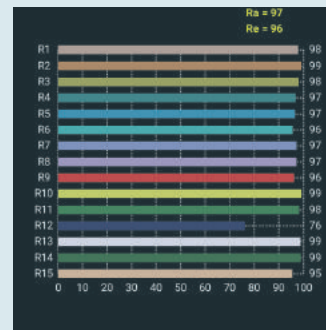
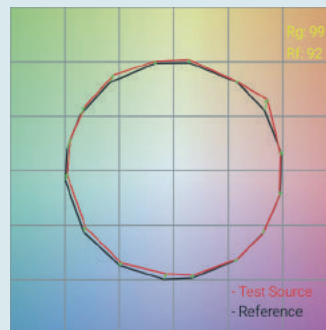
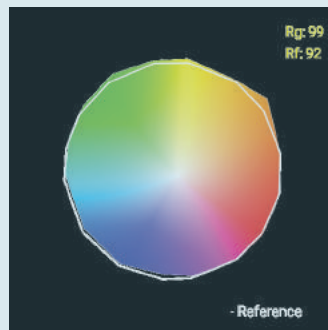
# TECHNICAL SPECIFICATIONS

## Sample Spectrometer Reports 5600K +/-110K



1 result(s), the last is at Fri Jun 24 10:09:02 EDT 2022  
Product Name: I24V566002835-SC  
Manufacturer:  
User:  
Note:  
With background light:Yes,

CCT	5606 K
Duv	0.0013
CIE1931 x	0.3301
CIE1931 y	0.3415
CIE1976 u'	0.2051
CIE1976 v'	0.4774
CRI(Ra)	97
Re(R1~R15)	96
CQS	95
TLCI(Qa)	98.1
GAI	93.8
TM-30-18 Rf	93
TM-30-18 Rg	99
Illuminance	3261 lux
Foot Candle	303.0 fc
PPFD	57.68 $\mu\text{mol/s.m}^2$
$\lambda_p$	454 nm
$\lambda_D$	528 nm
Purity(Pe)	2%
SP Ratio	2.3



Lead time for custom products are typically 6 - 8 weeks. Please contact us to discuss your project requirements.

### INSTALLATION NOTES

Follow all instructions on bag label  
Install indoor product in dry locations only  
Weatherproof is rated at IP67 and Waterproof is rated at IP68.  
Waterproof FlexLED must be mounted using silicone (not provided)

### Soldering Guidelines:

Soldering iron should be between 360°C and 372°C.  
Please ensure not to heat each solder pad for longer than 3 seconds otherwise separation of the solder pads can occur.