

## SoftFLEX LED 546 White 24V

SoftFLEX LED Tape

Industry Standard 2700K, 3000K, 4000K, and 6500K High CRI >95

Our SoftFLEX (COB) series of flexible LED creates a seamless, diffused, soft output without the ability to see any pixels unlike our traditional FlexLED strips. The innovative design does not show any hot spots, or dark spots making it ideal in locations where you may be able to see the LED or its reflection. The SoftFLEX 546 is 10MM in width with convenient soldering pads on either side of the COB. Using chip-on-board (COB) technology the phosphor coating also acts as the diffuser creating pixel-free light output. Industry leading CRI 95+ white light available in a variety of colour temperatures this LED is deal for on-camera use, museum lighting or anywhere a high colour rendering white light is required. Reliable, high efficacy and high heat dissipation ensuring a long life-span. Cuttable every 3.84CM (1.51") the SoftFLEX 546 is extremely customizable and is a perfect solution for countless lighting challenges.

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).

### 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.

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.

≥95 CRI	24V DC	180° BEAM ANGLE	5 years	Dimmable	5M (16.4')	CUSTOMIZED LENGTHS
UL LISTED E489028	RoHS	CE	PCB Width 10MM	IP21 INDOOR	White	

# TECHNICAL SPECIFICATIONS

NO:

WHITE

1	PRODUCT TYPE	SUPER WARM WHITE	WARM WHITE	NEUTRAL WHITE	COOL WHITE
2	PRODUCT CODE	CV-SWCOBI546-2700-95-24-W	CV-SWCOBI546-3000-95-24-W	CV-SWCOBI546-4000-95-24-W	CV-SWCOBI546-6500-95-24-W
3	CRI / TLCI	95			
4	COLOUR TEMP. OR WAVELENGTH	2700K +/-100K	3000K +/-100K	4100K +/-100K	5600K +/-100K
5	PCB COLOUR	WHITE			
6	CURRENT, RATING	0.75A / METER			
7	VOLTAGE	24 VDC			
8	WATTAGE	18 W / METER			
9	CC / CV	CONSTANT VOLTAGE			
10	IP RATING	IP21			
11	LUMENS/METER@FULL	1325 lm	1493 lm	1661 lm	1830 lm
12	LUMEN / WATT	74 lm/w	83 lm/w	92 lm/w	102 lm/w
13	LIFETIME*	40,000 HOURS			
14	CUTTING LENGTH	3.84 CM			
15	LEDS/METER QUANTITY	564 CHIPS			
16	NUMBER OF CONTACTS	2			
17	LED TYPE	COB			
18	PCB COPPER QUANTITY	3 Oz.			
19	OPERATING TEMPERATURE RANGE	-40° TO +70° C			
20	AGENCY RATINGS	UL - E489028, CE, RoHS			
21	PCB WIDTH	10MM			
22	MAXIMUM RECOMMENDED LENGTH	10 METERS			
23	VIEWING ANGLE	180°			
24	ADHESION	3M 55280			

\* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE  
SOFTFLEX LED 546 SKU ORDERING CODES

<b>CV</b>	<b>SW</b>	<b>COB</b>	<b>I</b>	<b>546</b>	<b>XXXX</b>	<b>95</b>	<b>24</b>	<b>W</b>	<b>-</b>	<b>BEW</b>
I 1	I 2	I 3	I 4	I 5	I 6	I 7	I 8	I 9	I 10	I 11
Supply Type	Style	LED Type	IP Rating	Chip Quantity	Kelvin	CRI	Voltage	PCB Colour	PCB Coating	Connector

**1 Supply Type**  
CV Constant Voltage (Standard)  
CC Constant Current

**2 Style**  
SW Standard Width

**3 LED Type**  
COB Chip On Board

**4 IP Rating**  
I Indoor IP21 (Standard)  
O Weatherproof IP65  
W Waterproof IP68

**5 Chip Quantity**  
528 Chip Quantity Per Meter

**6 Colour Temperature**  
2700 2700K  
3000 3000K  
4000 4000K  
6500 6500K  
XXXX (Custom CCT Available)

**7 CRI**  
95 Minimum 95 CRI (Standard)  
90 Minimum 90 CRI  
80 Minimum 80 CRI

**8 Voltage**  
12 12 Volts  
24 24 Volts

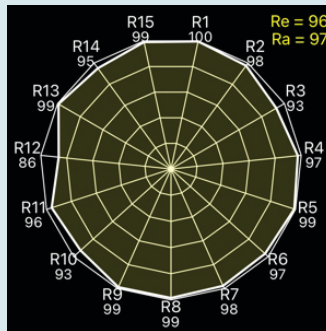
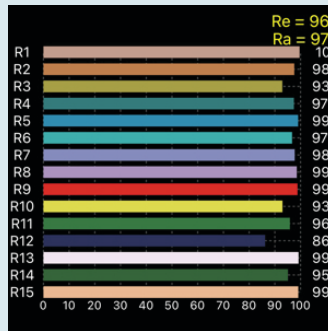
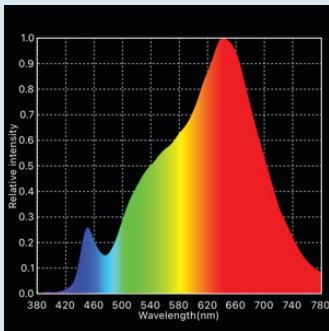
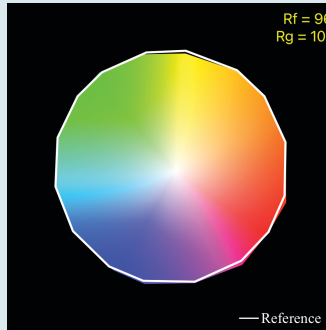
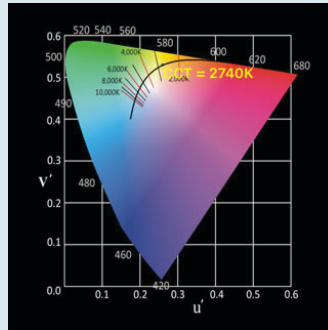
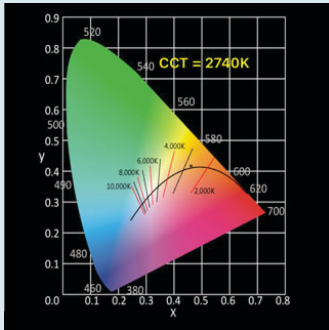
**9 PCB Colour**  
W White (Standard)  
B Black  
G Green  
R Red  
Y Yellow  
L Blue

**10 PCB Coating**  
- No Coating (Not Shown Standard)  
GS ENIG Gold Series

**11 Connector**  
BEW Bare End Wire (Standard)  
DC DC 2.5 X 5.1MM Barrel Connector  
5PM 5 Pin Male Chogori



### Spectrometer Reports 2700K +/-100K



1 result(s), the last is at 2021/08/31 17:01:25  
 Product Name: COB 2700K  
 Manufacturer:  
 User:  
 Note: Temperature(\*C):23.9, Humidity(%):54.7,  
 Background subtracted:YES,

Parameter	Value
CCT	2740 K
Duv	0.0025
CIE1931 x	0.4609
CIE1931 y	0.4176
CIE1976 u'	0.2600
CIE1976 v'	0.5301
CRI(Ra)	97
Re(R1-R15)	96
CoS	96
TLCI(Qa)	99.0
GAI	46.3
TM-30-15 Rf	96
TM-30-15 Rg	101
Illuminance	1540 lux
Foot Candle	143.0 fc
PPFD(400-700nm)	27.82 μmol/m <sup>2</sup> /s
λp	641 nm
λD	583 nm
Purity (Pe)	64 %
SP Ratio	1.3
Flicker Percentage	0.0 %
Flicker Index	0.00
Flicker Frequency	0 Hz