SoftFLEX LED 700 RGB+WW+CW 24V

SoftFlex LED Tape

Our SoftFLEX (COB) series of flexible LED creates a virtually seamless, diffused, soft output without the ability to see individual pixels unlike our traditional FlexLED strips. The innovative design shows minimal hot spots & dark spots making it ideal in locations where you may be able to see the LED or its reflection. The SoftFLEX 700 RGB+WW+CW is only 12MM in width which makes it suitable for narrow locations. Using chip-on-board (COB) technology the phosphor coating also acts as the diffuser creating almost pixel-free light output.

The 700 RGB+WW+CW arranges the Red, Green, Blue & Dual White pixels in a linear format which allows for a narrow 12MM width and at the same time providing convenient solder pads on top of the PCB. For comparison, our SoftFLEX LED 1134 RGB 24V & SoftFLEX LED 1008 Dynamic White (Bi-Colour) 24V arranges the pixels in a parallel format. The two different designs result in a very different visual effect in spite of both being part of the SoftFLEX family.

Reliable, high efficacy and high heat dissipation ensuring a long life-span. Cuttable every 10CM (3.94") the SoftFLEX 700 is extremely customizable and is a perfect solution for countless lighting challenges. I

Indoor and weatherproof strips have 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 colour temperatures are available.

Please call 1.800.924.1585 or email info@mossled.com to inquire.

10cm | 700 LEDs/M

PCB 12mm

≥90 CRI	24V DC	120° BEAM ANGLE	5 years	Dimmable	5M (16.4')	CUSTOMIZED LENGTHS
c UL us LISTED E489028	RoHS	CE	PCB Width 12MM	IP21 INDOOR	RGB+WW+CW	White

FlexLED
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MOSS LED
WWW.MOSSLED.COM

TECHNICAL SPECIFICATIONS
RGB+WW+CW

NO:		
1	PRODUCT TYPE	RGB + 2700k + 6500k
2	PRODUCT CODE	CV-RGBTWCOBI700-2765-90-24-WBEW
3	CRI / TLCI	90
4	COLOUR TEMP. OR WAVELENGTH	2700K +/-100K
5	PCB COLOUR	WHITE
6	CURRENT, RATING	0.83A / METER
7	VOLTAGE	24 VDC
8	WATTAGE	20 W / METER TOTAL------11 W / METER @ RGB------4W / METER @ 2700K------3W / METER @ 6500K
9	CC / CV	CONSTANT VOLTAGE
10	IP RATING	IP21
11	LUMENS/METER@FULL	840 lm total------532 lm @ RGB------305lm @ 2700k------311lm @ 6500k
12	LUMEN / WATT	42 lm/w total------48lm/w @ RGB------76lm/w @ 2700k------103lm/w @ 6500k
13	LIFETIME*	40,000 HOURS
14	CUTTING LENGTH	10 CM
15	LEDS/METER QUANTITY	700 CHIPS
16	NUMBER OF CONTACTS	6
17	LED TYPE	COB
18	PCB COPPER QUANTITY	2 Oz.
19	OPERATING TEMPERATURE RANGE	-20° TO +60° C
20	AGENCY RATINGS	UL - E489028, CE, RoHS
21	PCB WIDTH	12MM
22	MAXIMUM RECOMMENDED LENGTH	5 METERS
23	VIEWING ANGLE	120°
24	ADHESION	3M 55280

* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE

SOFTFLEX LED 700 SKU ORDERING CODES

CV	RGBTW	COB	I	700	2765	90	24	W	-	BEW
1	2	3	4	5	6	7	8	8	10	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
RGBTW   Standard

3 LED Type
COB   Chip On Board

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

5 Chip Quantity
700   Chip Quantity Per Meter

6 Colour Temperature
2765   2700K - 6500k
XXXX   (Custom CCT Available)

7 CRI
90   Minimum 90 CRI

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

9 Voltage
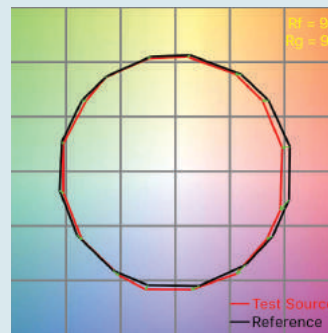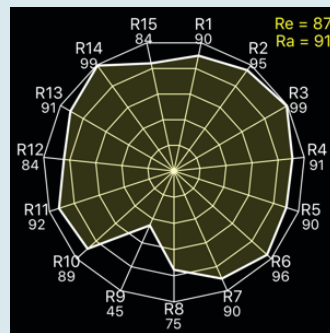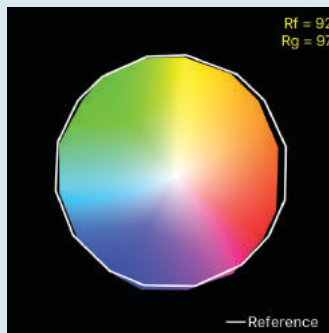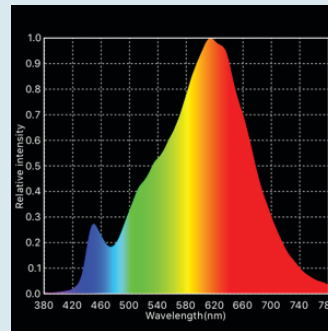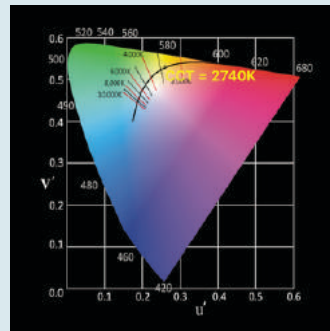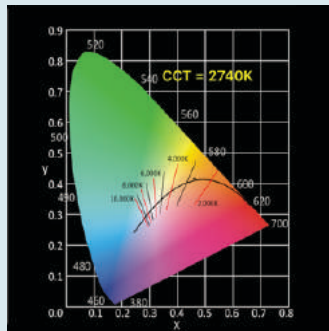24   24 Volts

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

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Spectrometer Reports 2700K +/-100K

Parameter	Value
CCT	2740 K
Duv	0.0023
CIE1931 x	0.4605
CIE1931 y	0.4170
CIE1976 u'	0.2601
CIE1976 v'	0.5299
CRI(Ra)	91
Re(R1~R15)	87
CQS	91
TLCI(Qa)	87.6
GAI	43.9
TM-30-15 Rf	92
TM-30-15 Rg	97
Illuminance	693 lux
Foot Candle	64.4 fc
PPFD(400-700nm)	10.90 µmol/m²s
λp	614 nm
λD	583 nm
Purity(Pe)	63 %
SP Ratio	1.3

Spectrometer Reports 6000K +/-100K

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 IP65 and Waterproof is rated at IP68.
Waterproof FlexLED must be mounted using silicone (not provided)

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