SoftFLEX LED 784 RGBW 24V

SoftFlex LED Tape

Industry Standard 2700K, 4100K, and 6000K High CRI >90

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 784 RGBW 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 784 RGBW arranges the Red, Green, Blue & 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 7.14CM (2.81") the SoftFLEX 784 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.

7.14cm   784 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+W

www.mossled.com

1.800.924.1585 -416.463.6677

info@mossled.com

FlexLED
Flexible LED Tape

MOSS
www.mossLED.com

TECHNICAL SPECIFICATIONS

RGBW

NO:			
1	PRODUCT TYPE	RGB + WARM WHITE	RGB + COOL WHITE
2	PRODUCT CODE	CV-RGBWCOBI784-2700-90-24-WBEW	CV-RGBWCOBI784-6000-90-24-WBEW
3	CRI / TLCI	≥ 90	
4	COLOUR TEMP. OR WAVELENGTH	2700K +/-100K	6000K +/-100K
5	PCB COLOUR	WHITE	
6	CURRENT, RATING	0.79A / METER	
7	VOLTAGE	24 VDC	
8	WATTAGE	19 W / METER TOTAL------14 W / METER RGB-----5 W / METER WHITE	
9	CC / CV	CONSTANT VOLTAGE	
10	IP RATING	IP21	
11	LUMENS/METER@FULL	1290 lm total------701 lm RGB------501 lm white	1525 lm total------748 lm RGB------535lm white
12	LUMEN / WATT	68 lm/w total------50lm/w RGB------100lm/w white	80 lm/w total------53lm/w RGB------100lm/w white
13	LIFETIME*	40,000 HOURS	
14	CUTTING LENGTH	7.14CM	
15	LEDS/METER QUANTITY	784 CHIPS	
16	NUMBER OF CONTACTS	5	
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 784SKU ORDERING CODES

CV	RGBW	COB	I	784	XXXX	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
RGBW Standard

3 LED Type
COB Chip On Board

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

5 Chip Quantity
784 Chip Quantity Per Meter

6 Colour Temperature
2700 2700K
3000 3000K
4100 4100K
6000 6000K
XXXX (Custom CCT Available)

7 CRI
90 Minimum 90 CRI

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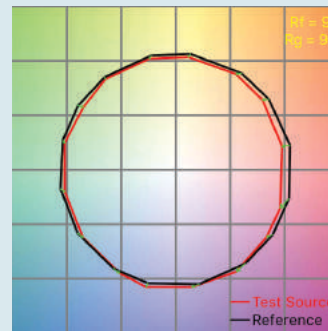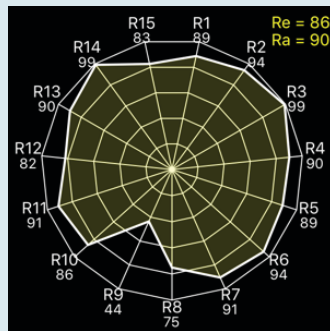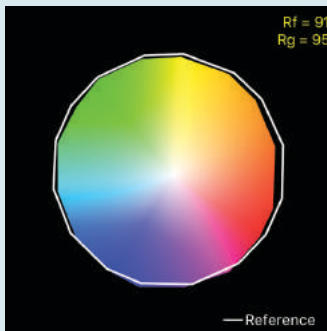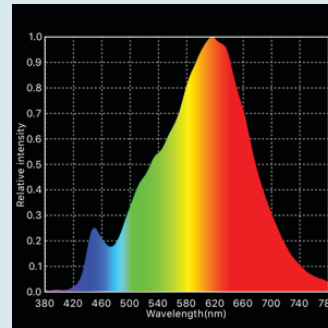W White (Standard)
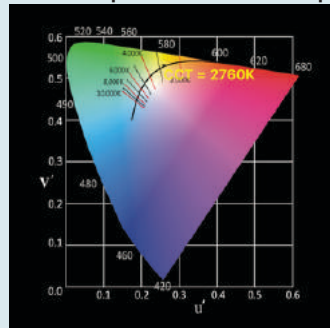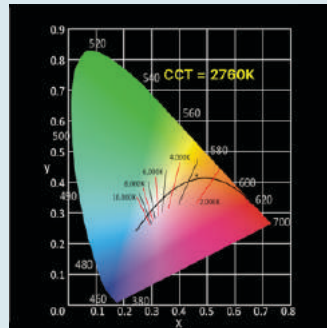B Black
G Green
R Red
Y Yellow
L Blue

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

www.mossled.com
1.800.924.1585 -416.463.6677
info@mossled.com

FlexLED
Flexible LED Tape

MOSS
www.mossled.com

Page 2

Spectrometer Reports 2700K +/-100K

Parameter	Value
CCT	2760 K
Duv	0.0040
CIE1931 x	0.4617
CIE1931 y	0.4220
CIE1976 u'	0.2587
CIE1976 v'	0.5319
CRI(Ra)	90
Re(R1~R15)	86
CQS	91
TLCI(Qa)	87.8
GAI	41.2
TM-30-15 Rf	91
TM-30-15 Rg	95
Illuminance	997 lux
Foot Candle	92.6 fc
PPFD(400-700nm)	15.53 µmol/m²s
λp	616 nm
λD	583 nm
Purity(Pe)	65 %
SP Ratio	1.3

Spectrometer Reports 6000K +/-100K
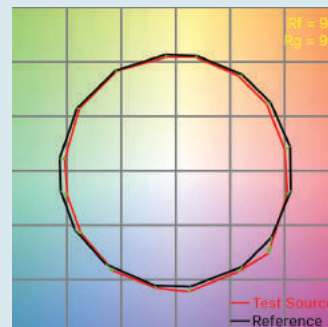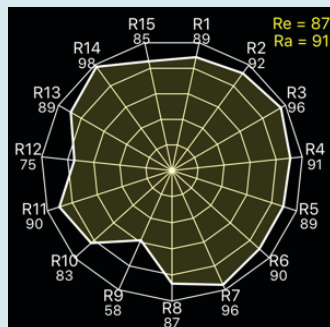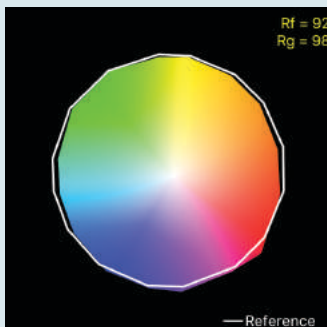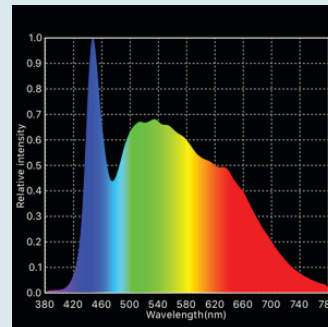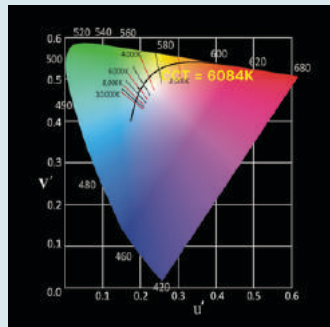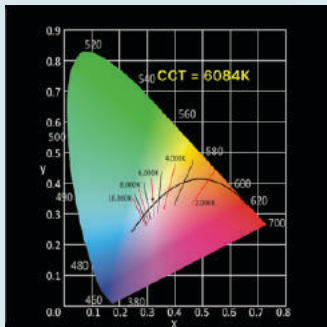
Parameter	Value
CCT	6084 K
Duv	0.0100
CIE1931 x	0.3191
CIE1931 y	0.3488
CIE1976 u'	0.1949
CIE1976 v'	0.4795
CRI(Ra)	91
Re(R1~R15)	87
CQS	92
TLCI(Qa)	97.1
GAI	88.1
TM-30-15 Rf	92
TM-30-15 Rg	98
Illuminance	964 lux
Foot Candle	89.5 fc
PPFD(400-700nm)	14.90 µmol/m²s
λp	447 nm
λD	507 nm
Purity(Pe)	4 %
SP 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)

www.mossled.com
1.800.924.1585 -416.463.6677
info@mossled.com

FlexLED Flexible LED Tape

Page 3