Soft FlexLED COB 528 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 528 is only 5MM in width which makes it suitable for narrow locations. 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 4.52CM (1.78") the SoftFLEX 528 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 to inquire.

4.52cm   528 LEDs/M

PCB 5mm

≥95 CRI	24V DC	180° BEAM ANGLE	5 years	Dimmable	5M (16.4')	CUSTOMIZED LENGTHS

cULus LISTED E489028	RoHS	CE	PCB Width 5MM	IP21 INDOOR	White

www.mossled.com

1.800.924.1585 -416.463.6677

info@mossled.com

FlexLED
Flexible LED Tape

MOSS LED
www.mossLED.com

TECHNICAL SPECIFICATIONS

WHITE

NO:					
1	PRODUCT TYPE	SUPER WARM WHITE SLIM	WARM WHITE SLIM	NEUTRAL WHITE SLIM	COOL WHITE SLIM
2	PRODUCT CODE	CV-USCOBI528-2700-95-24-W	CV-USCOBI528-3000-95-24-W	CV-USCOBI528-4000-95-24-W	CV-USCOBI528-6500-95-24-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	0.375A / METER			
7	VOLTAGE	24 VDC			
8	WATTAGE	9W			
9	CC / CV	CONSTANT VOLTAGE			
10	IP RATING	IP21			
11	LUMENS/METER@FULL	675	720	790	828
12	LUMEN / WATT	75	80	87	92
13	LIFETIME*	40,000 HOURS			
14	CUTTING LENGTH	4.52CM			
15	LEDS/METER QUANTITY	528 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	5MM			
22	MAXIMUM RECOMMENDED LENGTH	5 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 SLIM LED 528 SKU ORDERING CODES

CV	US	COB	I	528	XXXX	95	24	W	-	BEW
1	2	3	4	5	6	7	8	9	10	11
Supply Type	Style	LED Type	IP Rating	Chip Quantity	Kelvin	CRI	Voltage	PCB Colour	PCB Coating	Connector

1	**Supply Type**	**2**	**Style**	**3**	**LED Type**	**4**	**IP Rating**	**5**	**Chip Quantity**
CV	Constant Voltage (Standard)	US	Ultra Slim	COB	Chip On Board	I	Indoor IP21 (Standard)	528	Chip Quantity Per Meter
CC	Constant Current					O	Weatherproof IP65		
						W	Waterproof IP68		

6	**Colour Temperature**	**7**	**CRI**	**8**	**Voltage**	**8**	**PCB Colour**	**10 PCB Coating**		**11 Connector**	
2700	2700K	95	Minimum 95 CRI (Standard)	12	12 Volts	W	White (Standard)	-	No Coating (Not Shown Standard)	BEW	Bare End Wire (Standard)
3000	3000K	90	Minimum 90 CRI	24	24 Volts	B	Black	GS	ENIG Gold Series	DC	DC 2.5 X 5.1MM Barrel Connector
4000	4000K	80	Minimum 80 CRI			G	Green			5PM	5 Pin Male Chogori
6500	6500K					R	Red				
XXXX	(Custom CCT Available)					Y	Yellow				
						L	Blue				

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

FlexLED
Flexible LED Tape

MOSS LED

Page 2

TECHNICAL SPECIFICATIONS

Spectrometer Reports 2700K +/-100K
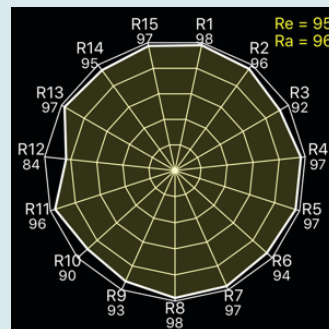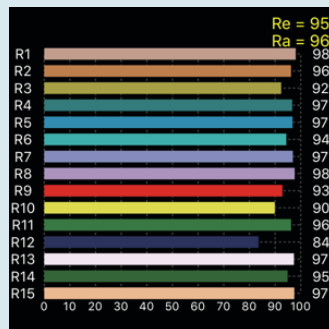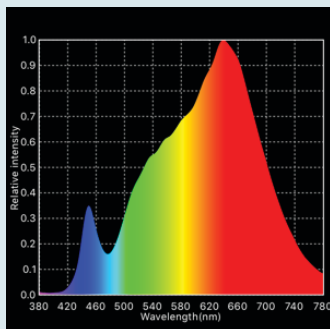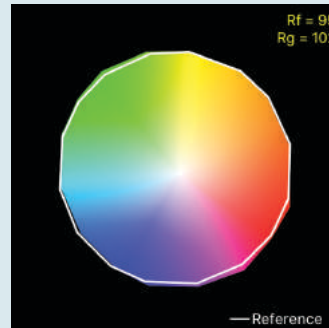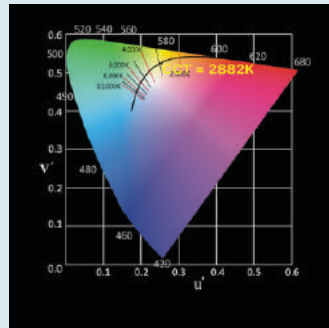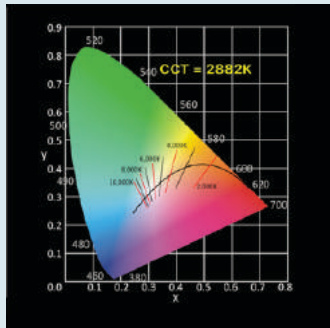
Parameter	Value
CCT	2882 K
Duv	0.0010
CIE1931 x	0.4471
CIE1931 y	0.4099
CIE1976 u'	0.2546
CIE1976 v'	0.5252
CRI(Ra)	96
Re(R1~R15)	95
CQS	95
TLCI(Qa)	97.0
GAI	54.0
TM-30-15 Rf	95
TM-30-15 Rg	102
Illuminance	1718 lux
Foot Candle	159.6 fc
PPFD(400-700nm)	30.24 µmol/m²s
λp	640 nm
λD	583 nm
Purity(Pe)	57 %
SP Ratio	1.4

Spectrometer Reports 6500K +/-100K
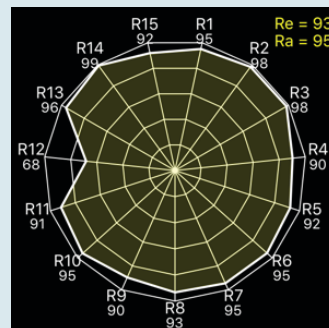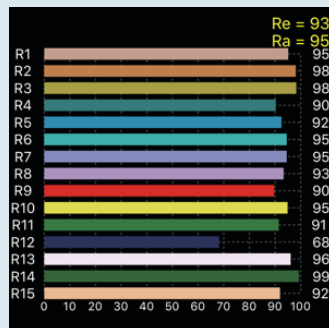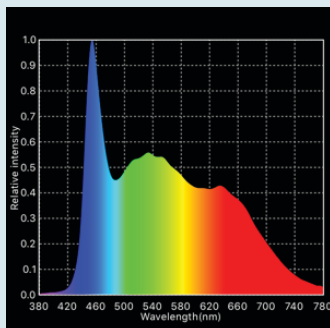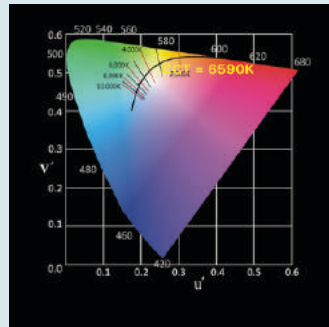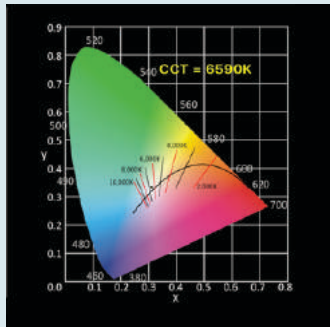
Parameter	Value
CCT	6590 K
Duv	0.0069
CIE1931 x	0.3104
CIE1931 y	0.3340
CIE1976 u'	0.1944
CIE1976 v'	0.4706
CRI(Ra)	95
Re(R1~R15)	93
CQS	92
TLCI(Qa)	96.2
GAI	92.8
TM-30-15 Rf	90
TM-30-15 Rg	96
Illuminance	2016 lux
Foot Candle	187.3 fc
PPFD(400-700nm)	32.89 µmol/m²s
λp	454 nm
λD	492 nm
Purity(Pe)	8 %
SP Ratio	2.5

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
Page 3