

## SoftFLEX LED 1008 Dynamic White (Bi-Colour) 24V

### Colour Temperature Adjustable from 2700K-> 6500K

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. A 2700k and 6500k chip is located beside each other every 1.98MM which creates an extremely soft, seamless, light output. The SoftFLEX 1008 is only 12MM in width which makes it suitable for narrow locations. Using chip-on-board (COB) technology the phosphor coating with bounding box also acts as the diffuser creating pixel-free light output. Industry leading CRI 95+ white light adjustable colour temperature from 2700k to 6500k this LED is ideal for on-camera use, museum lighting or anywhere a high colour rendering white light is required. Reliable and high efficacy with high heat dissipation ensures a long life-span.

Cuttable every 4.16CM (1.64") the SoftFLEX 1008 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	120° BEAM ANGLE	5 years	Dimmable	5M (16.4') CUSTOMIZED LENGTHS
UL LISTED E489028	RoHS	CE	PCB Width 12MM	IP21 INDOOR	White CCT Adjustable

# TECHNICAL SPECIFICATIONS

NO:

WHITE

1	PRODUCT TYPE	DYNAMIC WHITE 1008
2	PRODUCT CODE	CV-DWCOBI1008-2765-95-24-WBEW
3	CRI / TLCI	90+
4	COLOUR TEMP. OR WAVELENGTH	2700K -> 6500K
5	PCB COLOUR	WHITE
6	CURRENT, RATING	0.71A / METER @ FULL-----0.38A / METER @ 2700K-----0.38A / METER @ 6500K
7	VOLTAGE	24 VDC
8	WATTAGE	17W / METER @ FULL-----9W / METER @ 2700K-----9W / METER @ 6500K
9	CC / CV	CONSTANT VOLTAGE
10	IP RATING	IP21
11	LUMENS/METER@FULL	1386 lm / METER @ FULL-----631 LM / METER @ 2700K-----795 LM / METER @ 6500K
12	LUMEN / WATT	79 lm /WATT @ FULL-----70 LM / METER @ 2700K-----88 LM / METER @ 6500K
13	LIFETIME*	40,000 HOURS
14	CUTTING LENGTH	4.16 CM (1.64")
15	LEDS/METER QUANTITY	1008CHIPS
16	NUMBER OF CONTACTS	3
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	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 1008 SKU ORDERING CODES

<b>CV</b>	<b>DW</b>	<b>COB</b>	<b>I</b>	<b>1008</b>	<b>2765</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 8	I 9	I 10
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**  
DW Dynamic White

**3 LED Type**  
COB Chip On Board

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

**5 Chip Quantity**  
1008 Chip Quantity Per Meter

**6 Colour Temperature**  
2765 2700k - 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

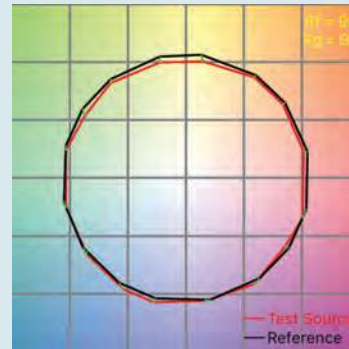
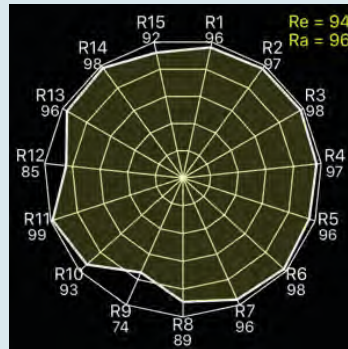
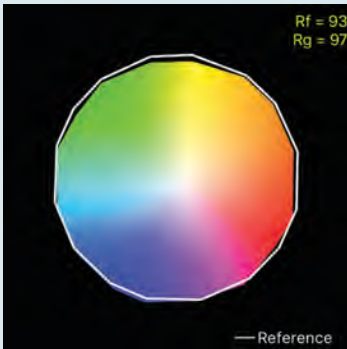
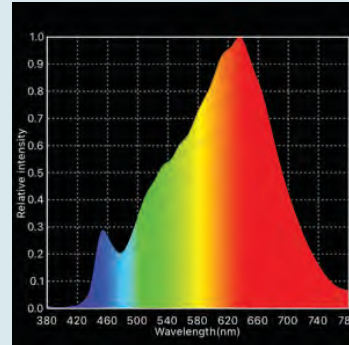
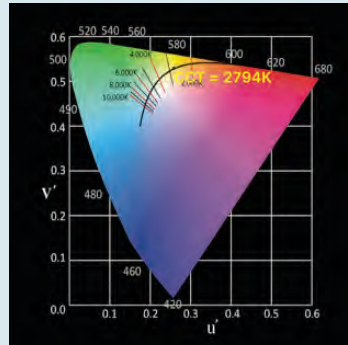
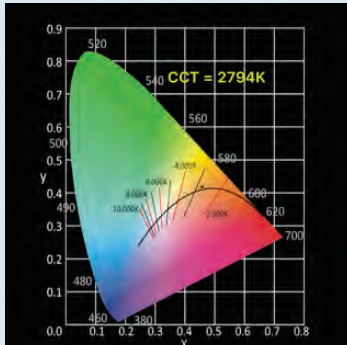
**9 PCB Colour**  
W White (Standard)  
B Black  
G Green  
R Red  
Y Yellow  
L Blue

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

**11 Connector**  
BEW Bare End Wire (Standard)  
5PM 5 Pin Male Chogori

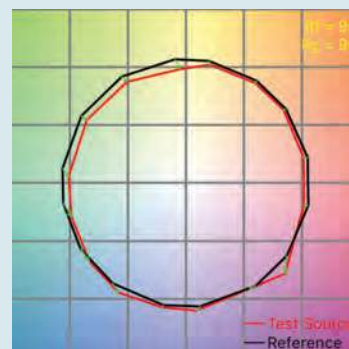
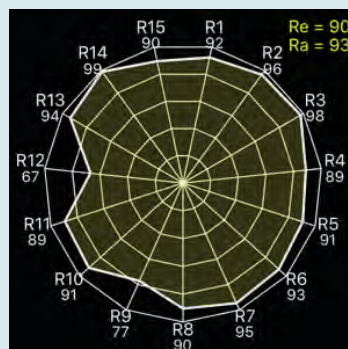
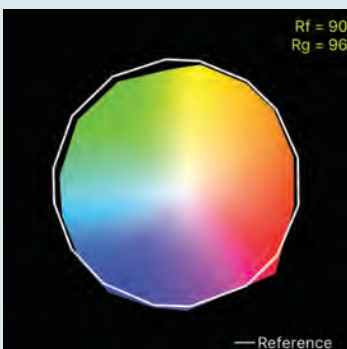
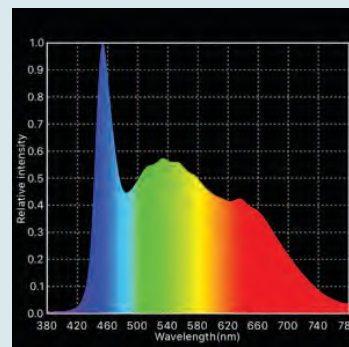
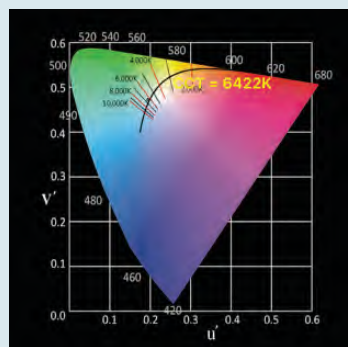
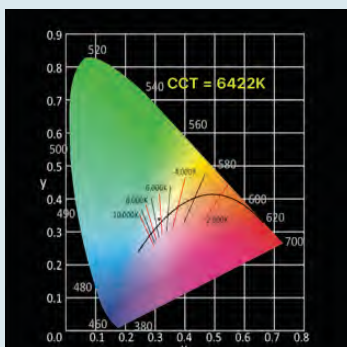
## TECHNICAL SPECIFICATIONS

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



Parameter	Value
CCT	2794 K
Duv	0.0032
CIE1931 x	0.4577
CIE1931 y	0.4189
CIE1976 u'	0.2575
CIE1976 v'	0.5301
CRI(Ra)	96
Re(R1-R15)	94
CQS	94
TLCI(Qa)	96.5
GAI	44.7
TM-30-15 Rf	93
TM-30-15 Rg	97
Illuminance	1824 lux
Foot Candle	169.4 fc
PPFD(400-700nm)	30.59 $\mu\text{mol}/\text{m}^2\text{s}$
$\lambda_p$	636 nm
$\lambda_D$	583 nm
Purity(Pe)	63 %
SP Ratio	1.3

### Sample Spectrometer Reports 6500K +/-100K



Parameter	Value
CCT	6422 K
Duv	0.0079
CIE1931 x	0.3130
CIE1931 y	0.3387
CIE1976 u'	0.1945
CIE1976 v'	0.4735
CRI(Ra)	96
Re(R1-R15)	90
CQS	91
TLCI(Qa)	96.1
GAI	90.4
TM-30-15 Rf	90
TM-30-15 Rg	96
Illuminance	2145 lux
Foot Candle	199.3 fc
PPFD(400-700nm)	34.51 $\mu\text{mol}/\text{m}^2\text{s}$
$\lambda_p$	454 nm
$\lambda_D$	495 nm
Purity(Pe)	7 %
SP Ratio	2.4