



## FlexLED RGB+WW+CW 24V (All-In-One Diode)

### RGB+WW+CW All-In-One

This product is a break-through in LED packaging technology and allows for virtually limitless color options. Red, Green, Blue + WW + CW LED all in one small package.

This product is available in a CRI of over 80 in both the 2400k and 6500k chips as well as a CRI of over 95 in the 2700k and 6500k version.

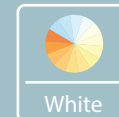
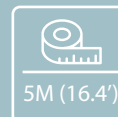
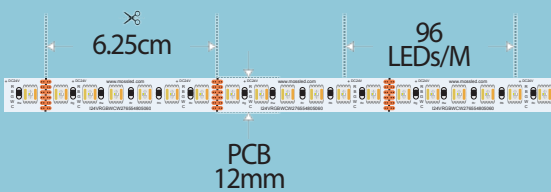
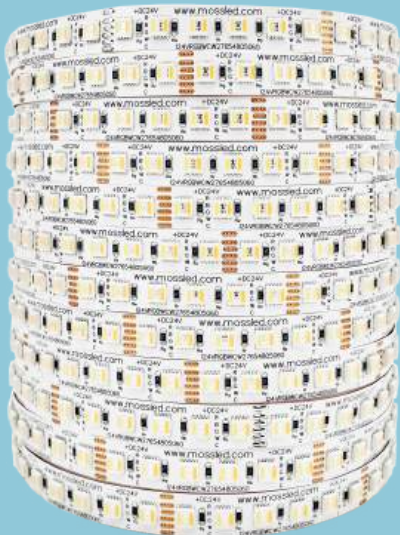
Indoor and weatherproof strips have 3M double-sided tape on the back which makes installation as easy as peel n stick.

Waterproof must be mounted using silicone (not provided)

Maximum recommended length in order to prevent line-loss is 5m. (16.4')

Controller, Power supply and Extension Cables sold separately  
Quantity Discounts and Custom Colors available. Please call to inquire.

Pricing is for 5 meters (16.4')



# TECHNICAL SPECIFICATIONS

NO:

## RGB+WW+CW All-In-One

1	PRODUCT TYPE	60 RGB+WW+CW 24V (All-In-One Diode)	60 RGB+WW+CW 24V (All-In-One Diode) (High CRI)	96 RGB+WW+CW 24V (All-In-One Diode) (High CRI)
2	PRODUCT CODE	I24VRGBWCW27653005050	I24VRGBWCW27653005060	I24VRGBWCW27654805060
3	CRI / TLCI	2400K = 84 / 72    6500K = 85 / 76	2700K = 97 / 96.3    6500K = 94 / 96.6	
4	COLOUR TEMP. OR WAVELENGTH	RGB+WW(2400K)+CW(6500K) +/- 175K	RGB+WW (2700K) +/- (100k) + CW (6500K) +/- 175K	
5	PCB COLOUR	WHITE		
6	CURRENT, RATING	1 A / METER	0.875 A / METER	1.2 A / METER
7	VOLTAGE	24 VDC		
8	WATTAGE	24W / METER	21 W / METER	28.8 W / METER
9	CC / CV	CONSTANT VOLTAGE		
10	IP RATING	IP43		
11	LUMENS/METER@FULL	1237 lm / METER	1352 lm / METER	1855 lm / METER
12	LUMEN / WATT	55.4	64.4	
13	LIFETIME*	40,000 HOURS (5 YEAR WARRANTY)		
14	CUTTING LENGTH	10 CM		6.25CM
15	LEDS/METER QUANTITY	60 LED / meter		96 LED / meter
16	NUMBER OF CONTACTS	6		
17	LED TYPE	5060		
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	TESA 4965		
25	WAVELENGTH A (RED)	619 ~ 625nm	618 ~ 623nm	
26	WAVELENGTH B (GREEN)	520~ 530nm	518 ~ 523nm	
27	WAVELENGTH C (BLUE)	465 ~ 475nm	466 ~ 471nm	
28	WAVELENGTH D (WW)	2400K	2700K	
29	WAVELENGTH E (CW)	6500K		

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

# TECHNICAL SPECIFICATIONS

## FlexLED RGB+WW+CW 24V (All-In-One Diode) SKU BUILDER

-	<b>I</b>	<b>24</b>	<b>V</b>	<b>RGBWCW</b>	<b>WWXX</b>	<b>YYY</b>	<b>ZZZZ</b>	-	-	-
1	1	1	1	1	1	1	1	1	1	1
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	Kelvin	LED Qty.	LED Chip	PCB Colour	PCB Coating	Connector

<b>1 Family Series</b> -	<b>2 IP Rating</b> I IP41 - Indoor Use Only O IP65 - Weatherproof W IP68 - Waterproof	<b>3 Voltage</b> 24V 24VDC (Standard) 12V 12VDC (Standard) 5-36V Custom Order	<b>4 Voltage Type</b> V Constant Voltage (Standard) C Constant Current (Optional)	<b>5 Colour Temperature Range</b> RGBWCW RGB + White + Cool White
<b>6 Colour Temperature</b> 2765 2700K + 6500k 2465 2400k + 5600k XXXX (Custom CCT Available)	<b>7 LEDs per 5 meters</b> 300 300 LEDs 480 480 LEDs	<b>8 LED Chip</b> 5050 CRI 85+ 5060 CRI 95+	<b>9 PCB Colour Options</b> - White (Standard) B Black (Optional) G Green (Optional) R Red (Optional) Y Yellow (Optional) L Blue (Optional)	<b>10 PCB Coating</b> - No Coating (Standard) GS ENIG Gold Series
				<b>11 Connector</b> - Wire stripped & tinned (Standard) XLR6 6 - pin XLR XLR7 7 - pin XLR

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)

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.