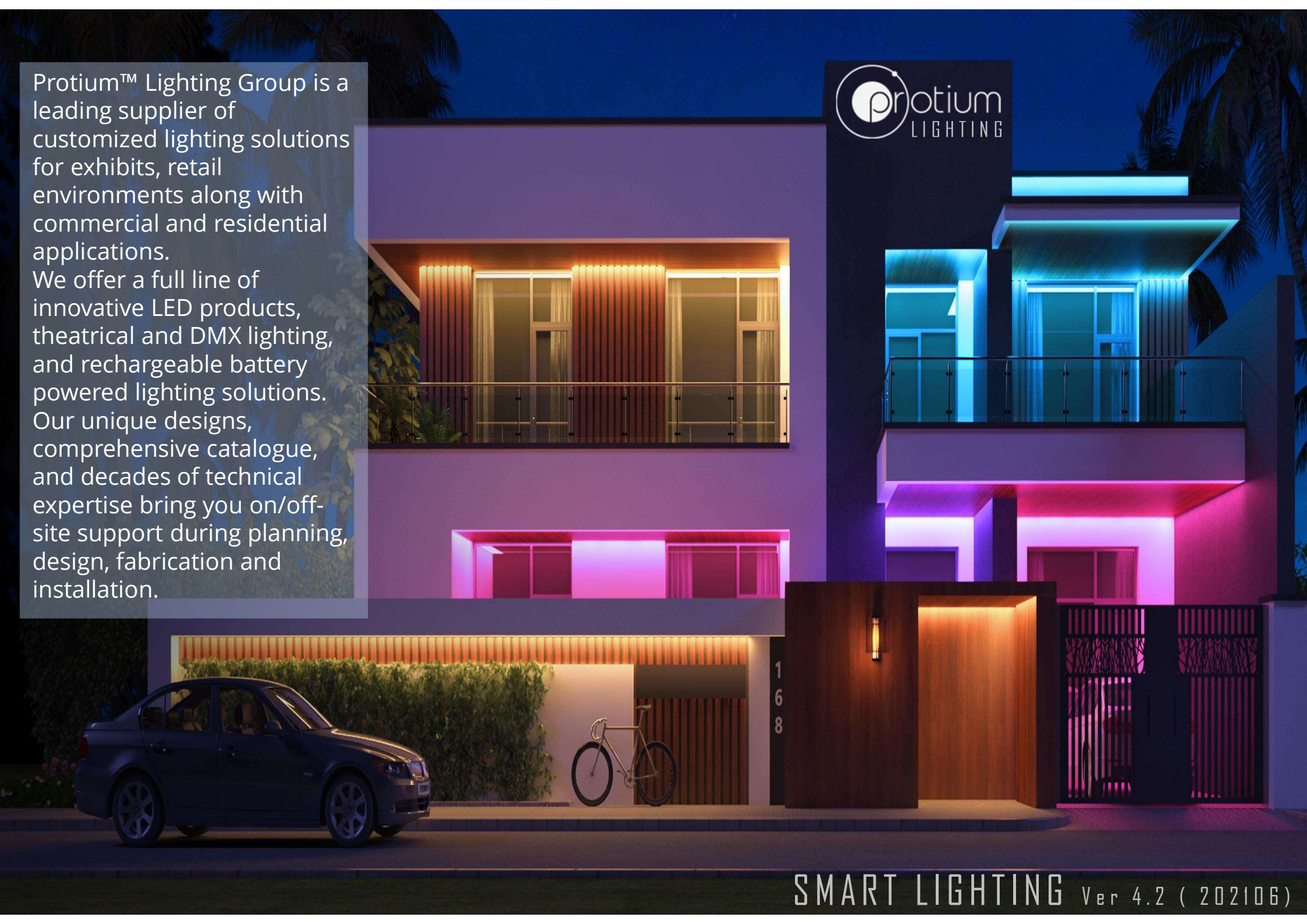

Protium™ Lighting Group is a leading supplier of customized lighting solutions for exhibits, retail environments along with commercial and residential applications.
We offer a full line of innovative LED products, theatrical and DMX lighting, and rechargeable battery powered lighting solutions.
Our unique designs, comprehensive catalogue, and decades of technical expertise bring you on/off-site support during planning, design, fabrication and installation.
protium
LIGHTING
168
SMART LIGHTING Ver 4.2 (202106)

WIFI/BLUETOOTH LED strip

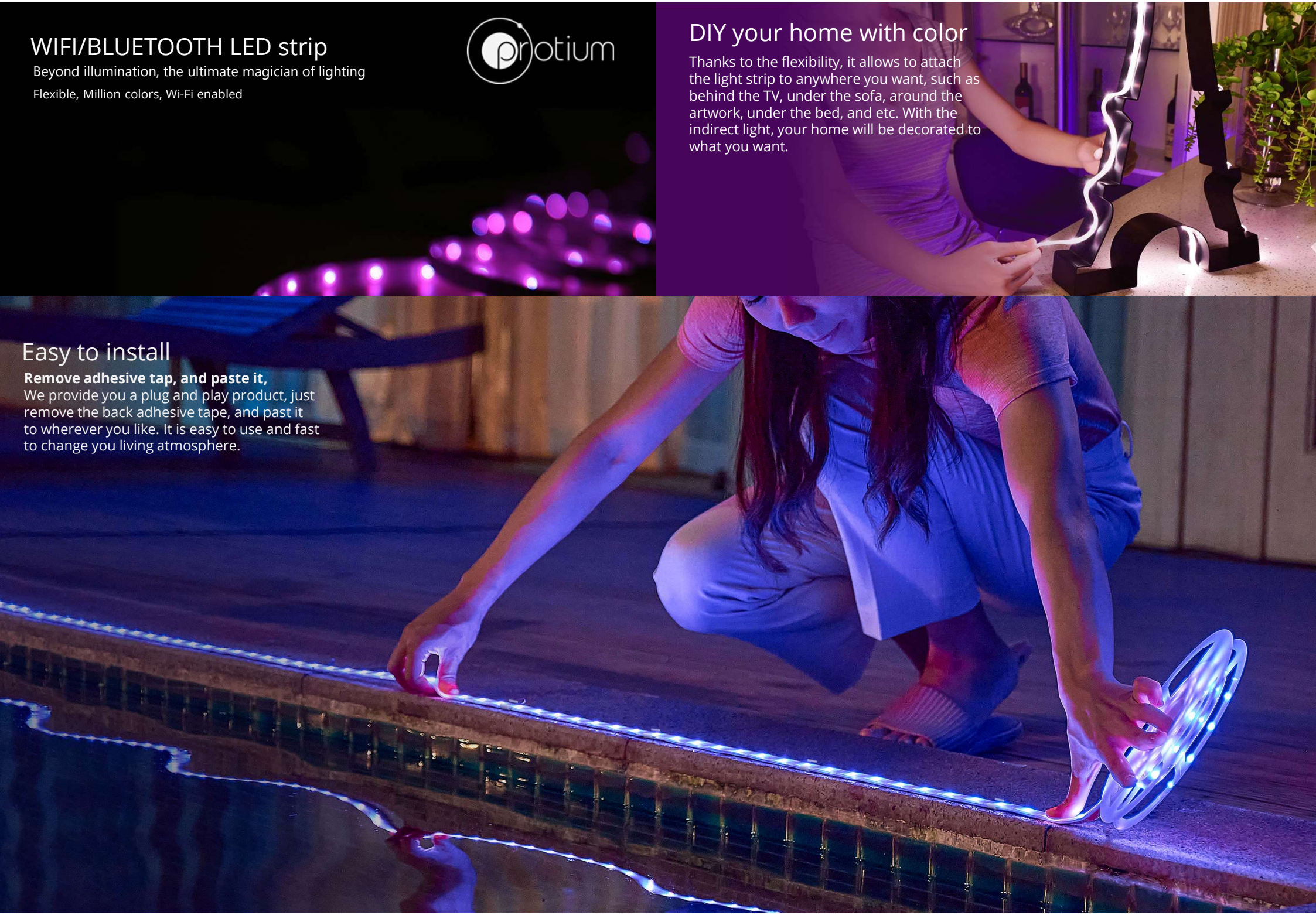
Beyond illumination, the ultimate magician of lighting

Flexible, Million colors, Wi-Fi enabled

protium

DIY your home with color

Thanks to the flexibility, it allows to attach the light strip to anywhere you want, such as behind the TV, under the sofa, around the artwork, under the bed, and etc. With the indirect light, your home will be decorated to what you want.



Easy to install

Remove adhesive tap, and paste it,
We provide you a plug and play product, just remove the back adhesive tape, and past it to wherever you like. It is easy to use and fast to change you living atmosphere.

protium
Dance with light and music
Combine your favourite music with family lighting, feel the rhythm of light. Download Our APP, get party started with LED Strip.
Switch lighting from pre-set scenes
From blue to orange, night light to high brightness, just use pre-set scenes in the mobile APP. It provides you a fast way to get the color you like, and also you can put one into your favourite.
Your romantic moments, just a color light strip
At everywhere in your home, just using a light strip, the colourful light builds your romantic space.
Automated with other devices
The light strip can be intergraded with Other eco-system, and co-work with other home automation devices*.

Set lights to turn on and off when you're away from home

Make it look like you are at home even when you are away. Set scheduled alarms or use timers to turn your lights on and off at fixed or random times. With online access, you can also control your home lighting directly via the app on your smart device. Enable geofencing in the app and your lights will automatically turn on or off when you enter or leave the house. Convenient and peace of mind - wherever you are.

Extend your Light strip with 5 meter extensions

Extend your LED Light strip up to any length by adding 5 meter extensions to cover larger surfaces and enable wider applications. From bright cove lighting to ambient navigation light in your hallway or stairs, anything is possible. Our light strip gives you full color consistency from the first to the last extension.

Ultimate flexibility: shape, bend and extend

Our Light strip is the most flexible light source imaginable. You can shape the strip in nearly any form and use the adhesive tape on the back to attach it to any solid surface. If needed, you can cut your Light strip to size at the scissor markings.
Our Light strip is the most versatile and robust light source that will bring your room to life.

protium

Single Color STRIPS

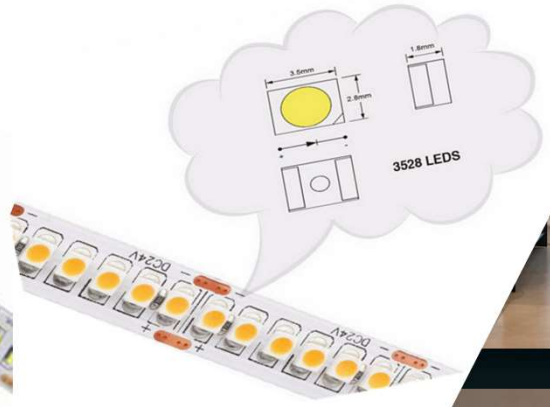
	120-W, 120WW, 120-R, 120-G, 120-B	120-W, 120WW, 120-R, 120-G, 120-B
LED per Meter	120	180
SMD LED Model	2835	2835
Color	W: Cool White, WW: Warm White, R: Red, G: Green, B: Blue	
Waterproof Level	IP20	IP20
Working Voltage	DC-12V	DC-12V
FPCB	8mm, 10mm	8mm, 10mm
Power Consumption	9.6 w/m	14.5 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465, 3000K 800L, 6000K, 880L	
Beam Angle	120	120
Colour rendering	CRI >90	CRI >90

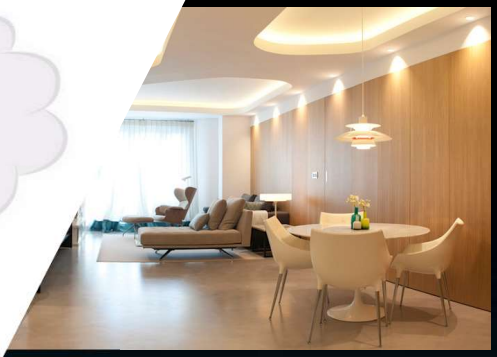
protium

Single Color

High Brightness

STRIPS





	204WW, 204NW, 204W	240WW, 240NW, 240W
LED per Meter	204	240
SMD LED Model	3014	2835
Color	W: Cool White, WW: Warm White, NW: Natural White	
Waterproof Level	IP20	IP20
Working Voltage	DC-12V	DC-12V
FPCB	8mm, 10mm	8mm, 10mm
Power Consumption	9.6 w/m	14.5 w/m
Color Temperature (K)	WW: 3000K, NW: 4000K, W : 6000K	
Beam Angle	120	120
Colour rendering	CRI >90	CRI >95

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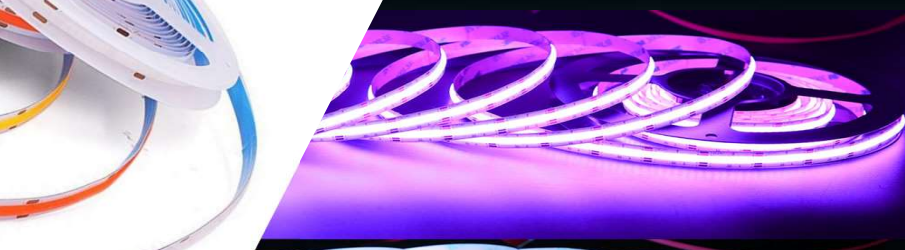
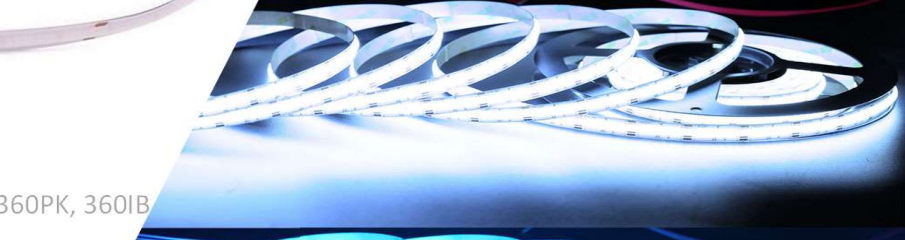
Single Color

Premium

FCOB STRIPS





	360WW, 360NW, 360CW	360GR, 360PK, 360IB
LED per Meter	360	360
Lumen/M	850	650-850
Color	W: Cool White, WW: Warm White, NW: Natural White	G: Green, P: Pink, IB: Ice Blue
Waterproof Level	IP44	IP44
Working Voltage	DC-12V	DC-12V
FPCB	8mm	8mm
Power Consumption	10 w/m	10 w/m
Color Temperature (K)	WW: 3000K, NW: 4000K, W : 6000K	
Beam Angle	180	180
Colour rendering	CRI >90	CRI >90

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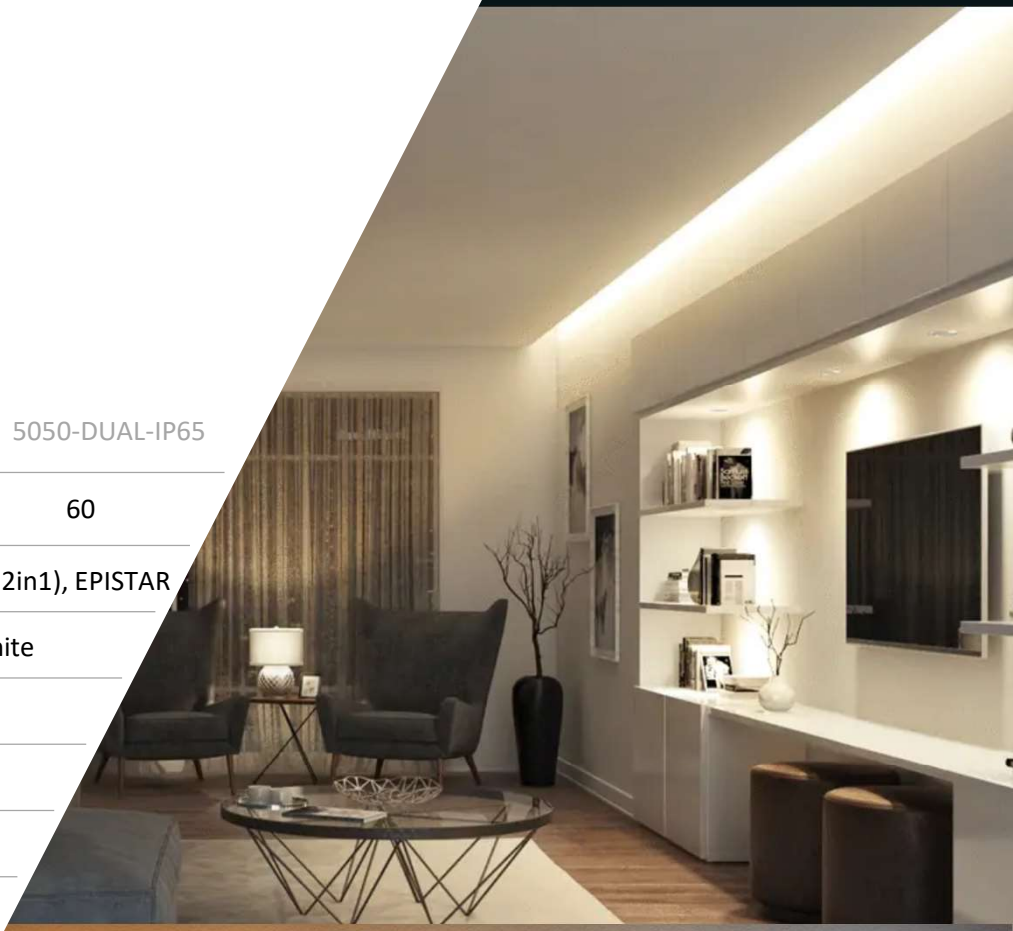
Dual Color STRIPS

	5050-DUAL-IP20	5050-DUAL-IP65
LED per Meter	60	60
SMD LED Model	5050 (2in1), EPISTAR	5050 (2in1), EPISTAR
Color	W: Cool White, WW: Warm White	
Waterproof Level	IP20	IP65
Working Voltage	DC-12V	DC-12V
FPCB	10mm	10mm
Power Consumption	14.4 w/m	14.4 w/m
Color Temperature (K)	WW: 3200, Natural white: 4500-5000, CW 5600	
Beam Angle	120	120
Colour rendering	CRI >95	CRI >95



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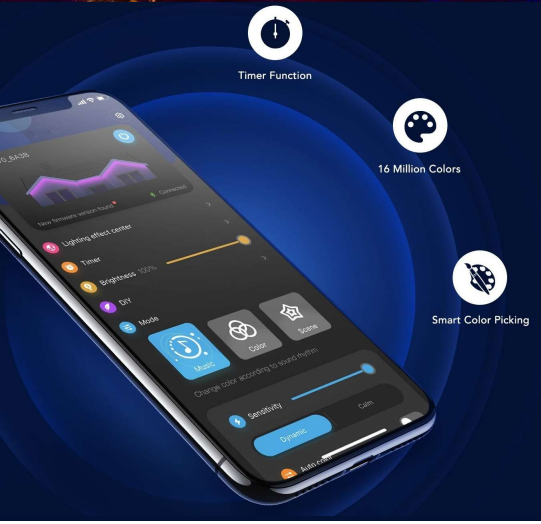
Multi Color Light strips



- IP65 Water Resistant
- Music Sync (Built in mic)
- DIY
- Scene Control
- Remote Control up to 20ft
- Mobile app Control Over WI-FI

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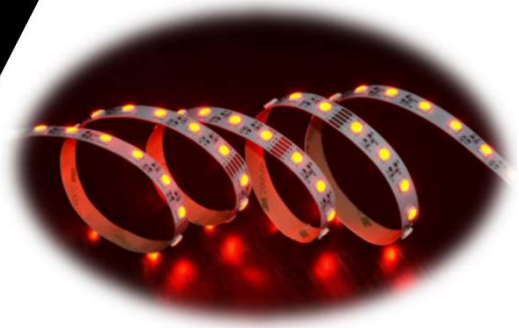
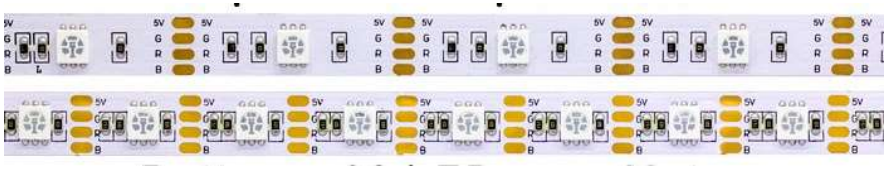
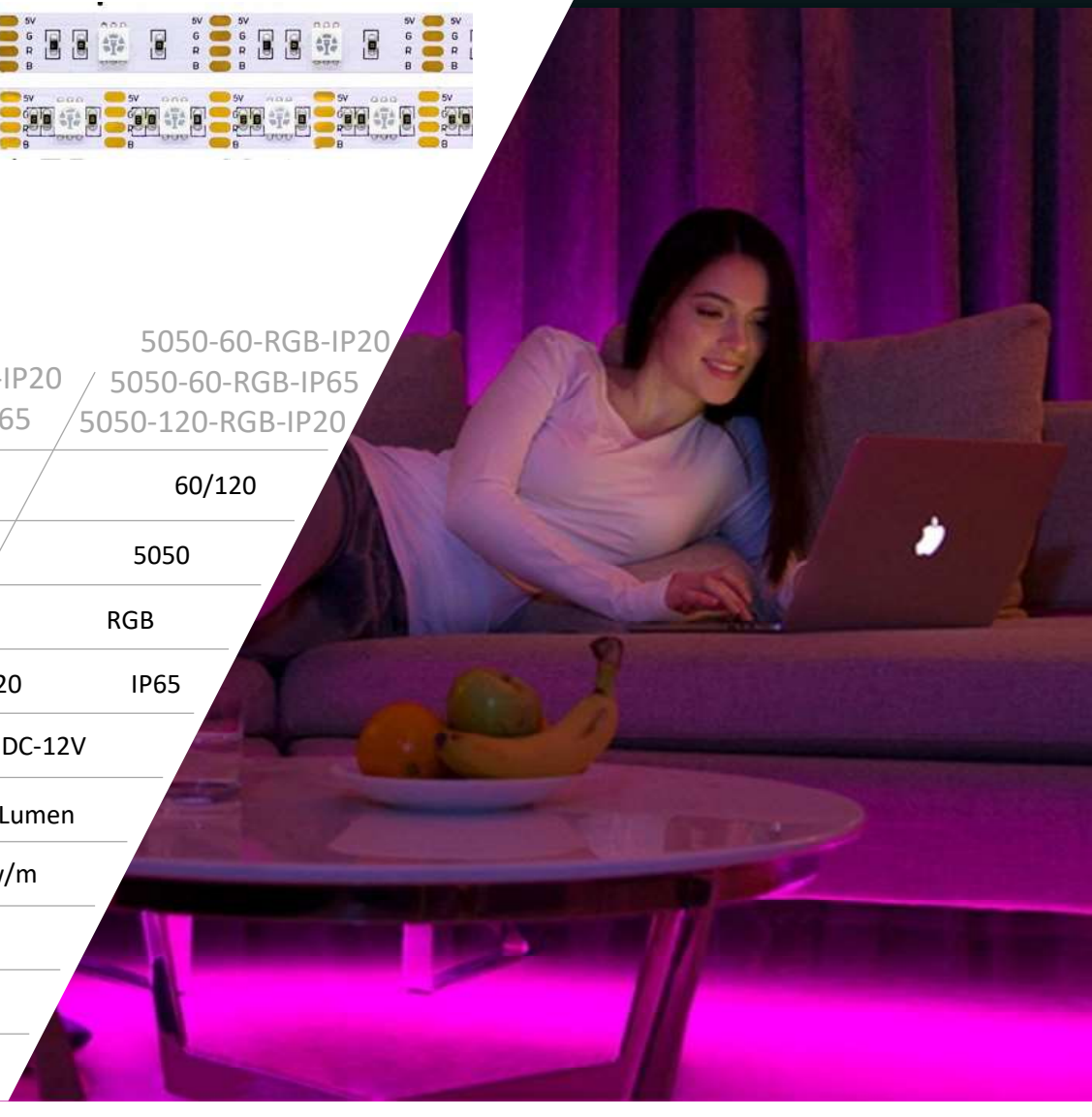
RGB STRIPS





	5050-30-RGB-IP20 5050-30-RGB-IP65		5050-60-RGB-IP20 5050-60-RGB-IP65 5050-120-RGB-IP20	
LED per Meter	30		60/120	
SMD LED Model	5050		5050	
Color	RGB		RGB	
Waterproof Level	IP20	IP65	IP20	IP65
Working Voltage	DC-12V		DC-12V	
LED Lumen (Per LED)	10-12 Lumen		10-12 Lumen	
Power Consumption	7.0 w/m		14.5 w/m	
Color Temperature (K)	R:620-625 G:515-522 B:460-465			
Beam Angle	120		120	
FPCB Type	Double		Double	



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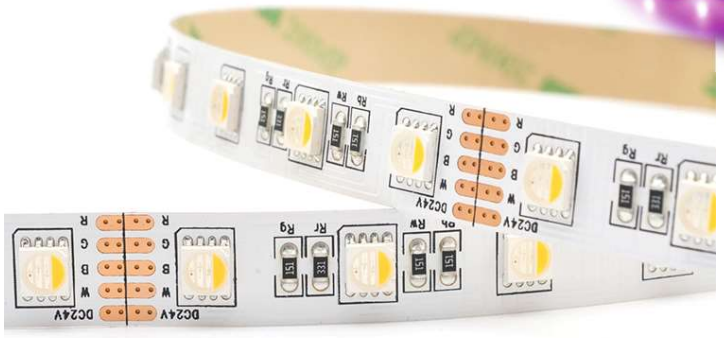
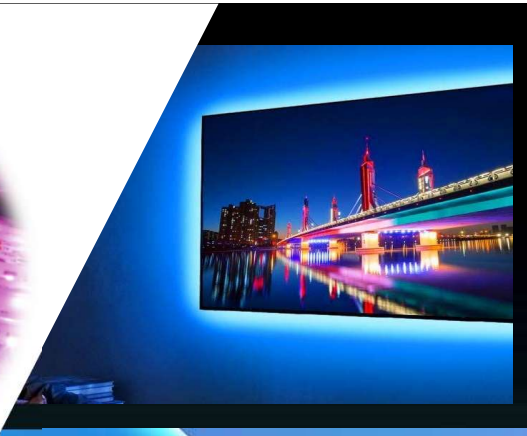
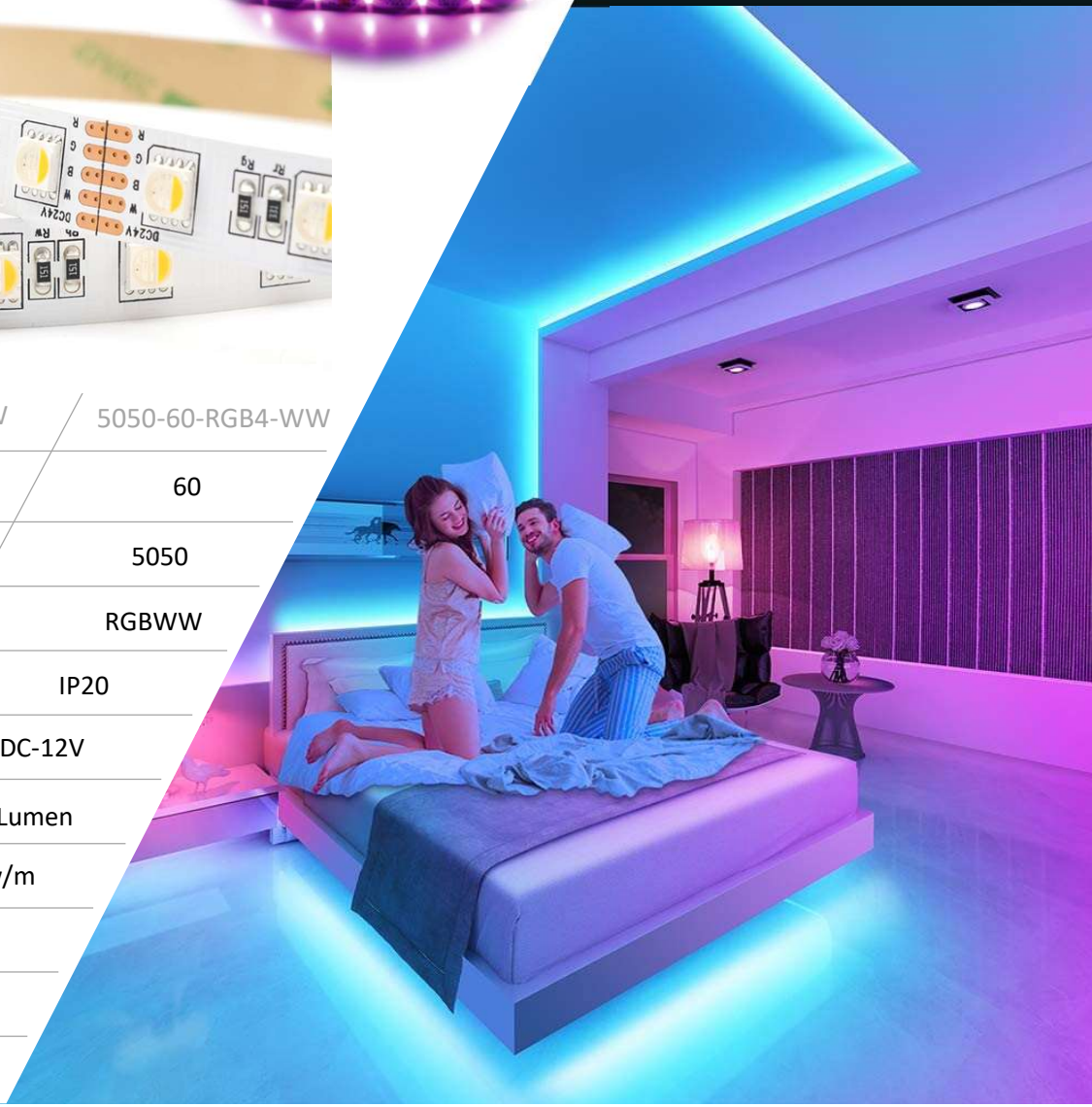
RGBW/WW

(4in1)

STRIPS







	5050-60-RGB4-W	5050-60-RGB4-WW
LED per Meter	60	60
SMD LED Model	5050	5050
Color	RGBW	RGBWW
Waterproof Level	IP20	IP20
Working Voltage	DC-12V	DC-12V
LED Lumen (Per LED)	10-12 Lumen	10-12 Lumen
Power Consumption	14.5 w/m	14.5 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465 W:6000	
Beam Angle	120	120
FPCB Type	Double	Double

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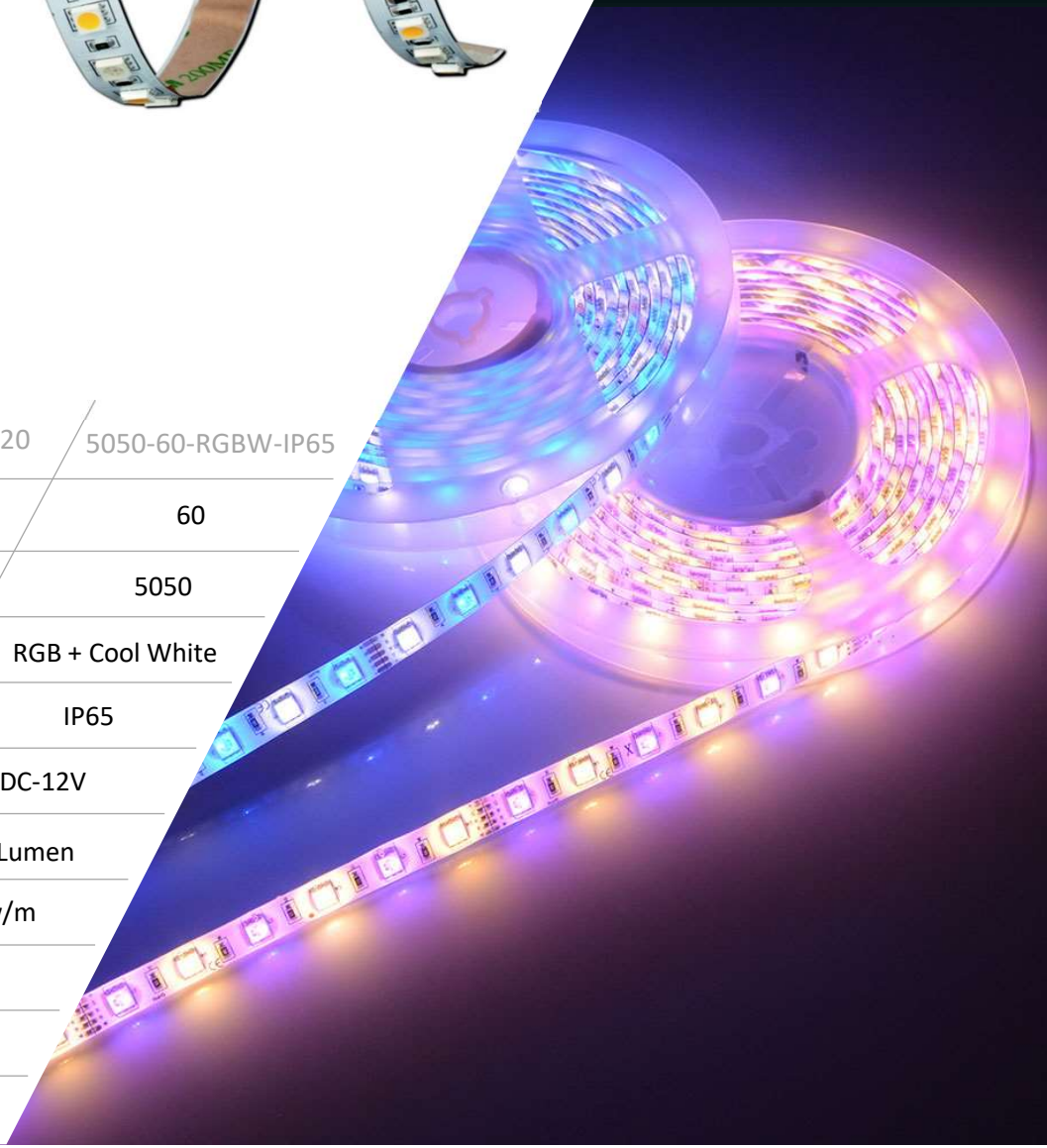
RGB+W STRIPS



	5050-30-RGBW-IP20	5050-60-RGBW-IP65
LED per Meter	60	60
SMD LED Model	5050	5050
Color	RGB + Cool White	RGB + Cool White
Waterproof Level	IP20	IP65
Working Voltage	DC-12V	DC-12V
LED Lumen (Per LED)	10-12 Lumen	10-12 Lumen
Power Consumption	14.5 w/m	14.5 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465 W:6000	
Beam Angle	120	120
FPCB Type	Double	Double

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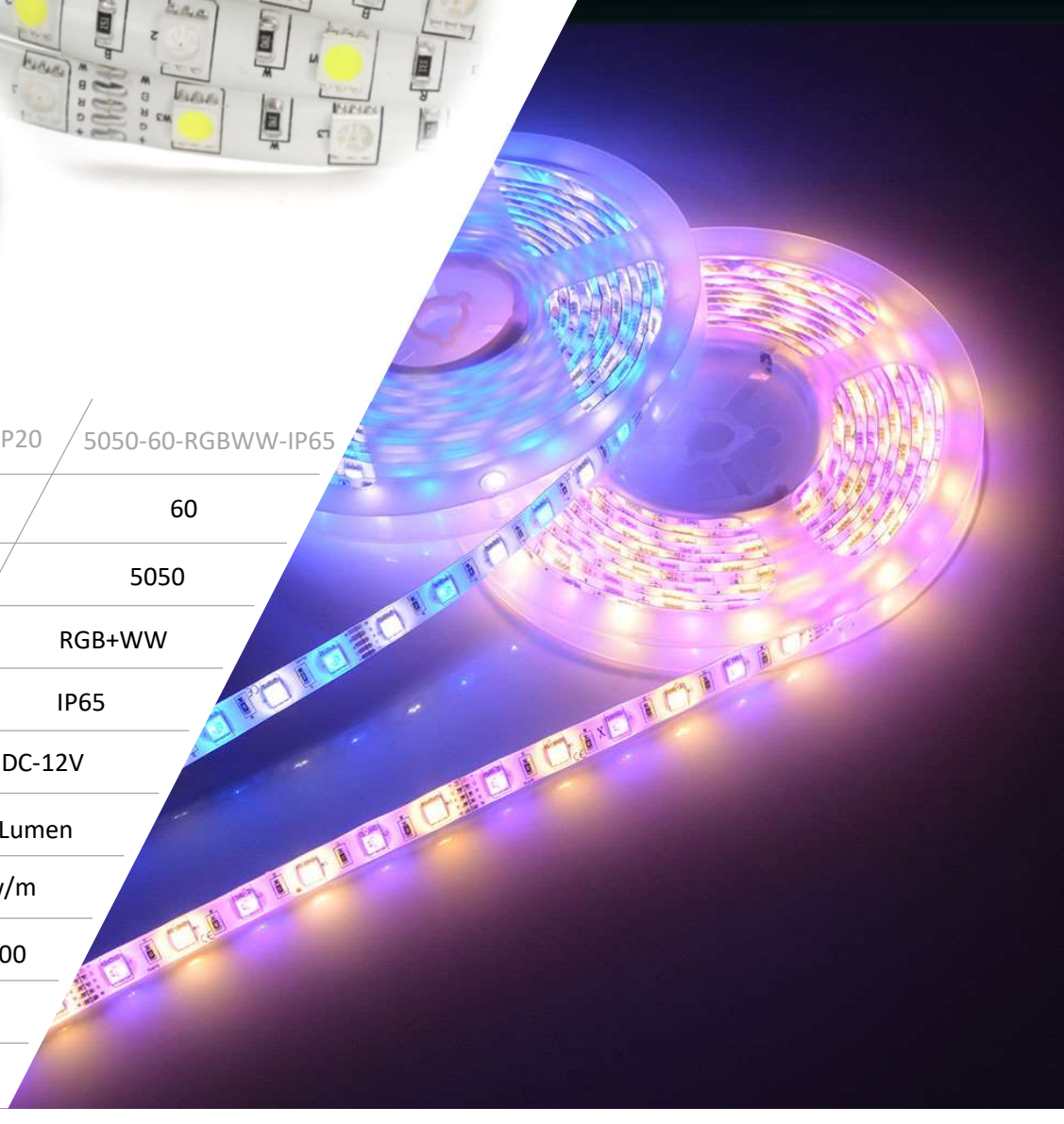
RGB+WW STRIPS



	5050-30-RGBWW-IP20	5050-60-RGBWW-IP65
LED per Meter	60	60
SMD LED Model	5050	5050
Color	RGB+WW	RGB+WW
Waterproof Level	IP20	IP65
Working Voltage	DC-12V	DC-12V
LED Lumen (Per LED)	10-12 Lumen	10-12 Lumen
Power Consumption	14.5 w/m	14.5 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465 WW:3000	
Beam Angle	120	120
FPCB Type	Double	Double

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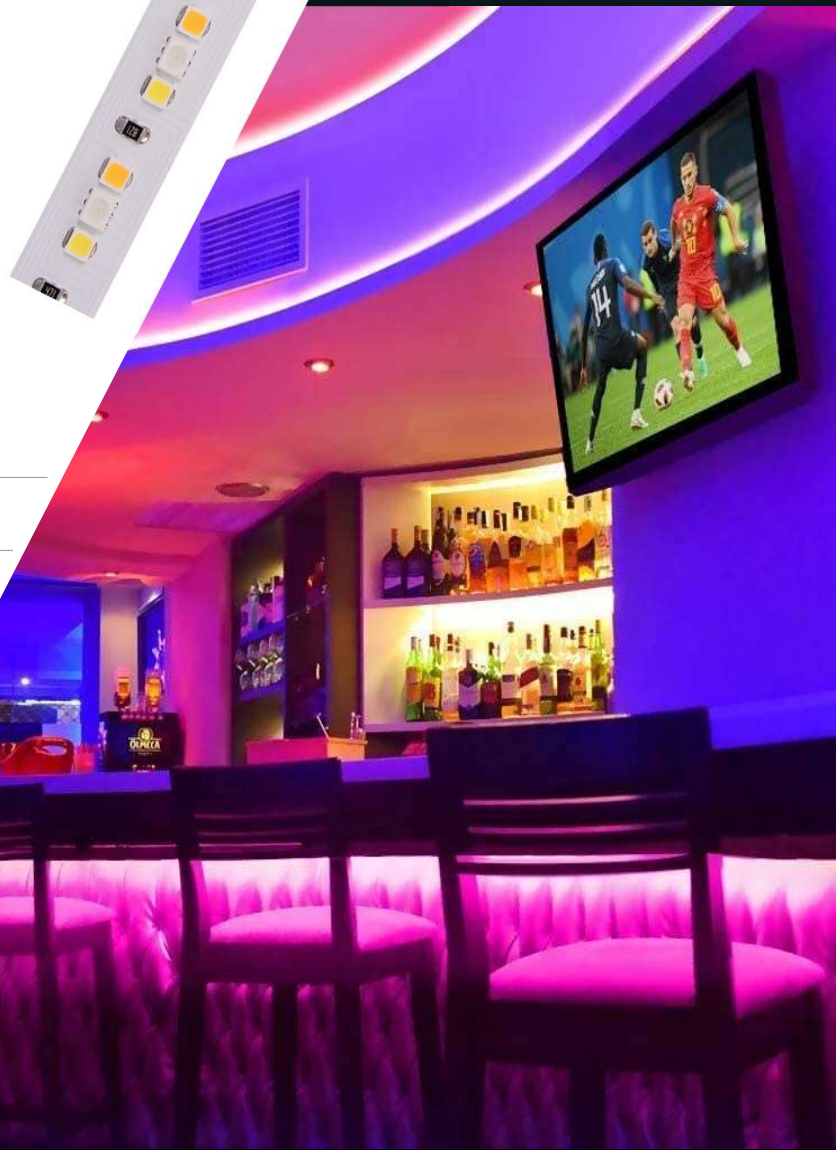
RGB+CCT STRIPS



	5050-90-RGB3-IP20
LED per Meter	30+30+30
SMD LED Model	5050 RGB+3530 CCT
Color	RGB+CCT
Waterproof Level	IP20
Working Voltage	DC-12V
LED Lumen (Per LED)	8-10 Lumen
Power Consumption	7 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465 , W:6000 WW:3000
Beam Angle	120
FPCB Type	Double

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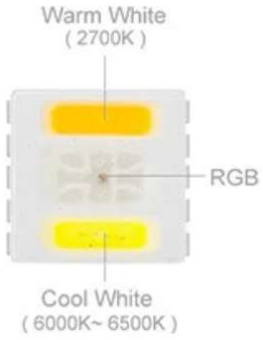
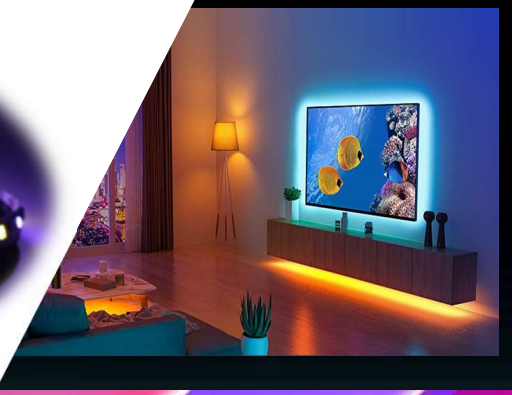
RGBCW

(5in1)

STRIPS





	5050-60-RGB5-IP20
LED per Meter	60
SMD LED Model	5050 (5in1 Chip)
Color	RGB+CCT
Waterproof Level	IP20
Working Voltage	DC-12V
LED Lumen (Per LED)	10-12 Lumen
Power Consumption	14.5 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465 , W:6000 WW:3000
Beam Angle	120
FPCB Type	Double

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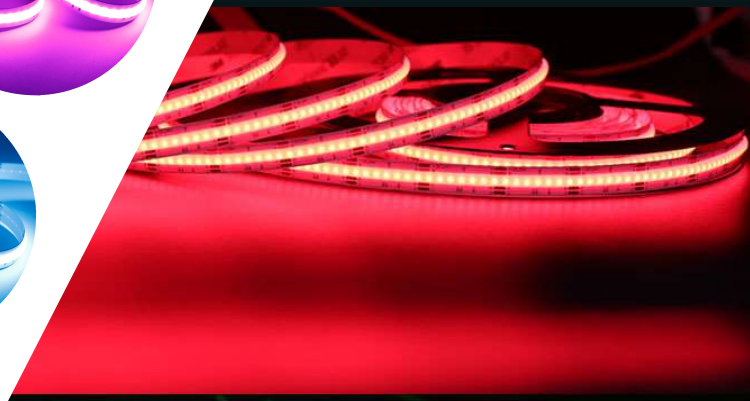
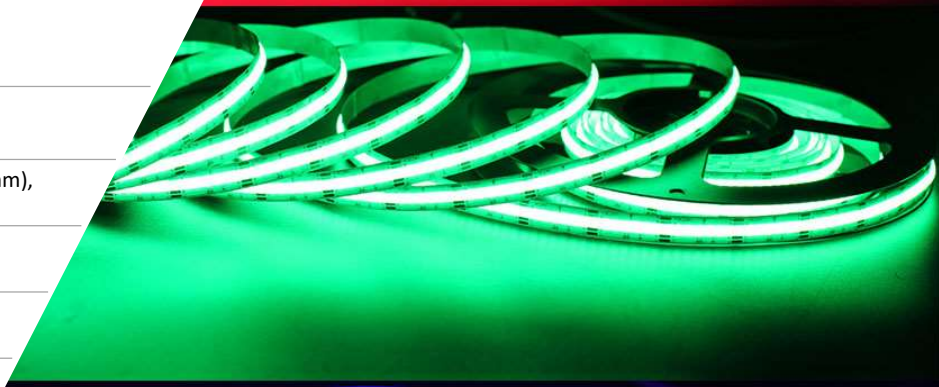
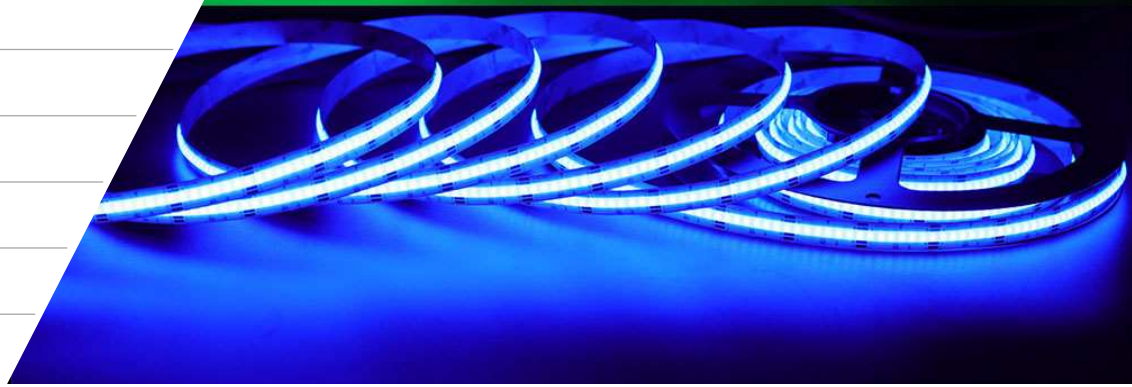
RGB

Premium+

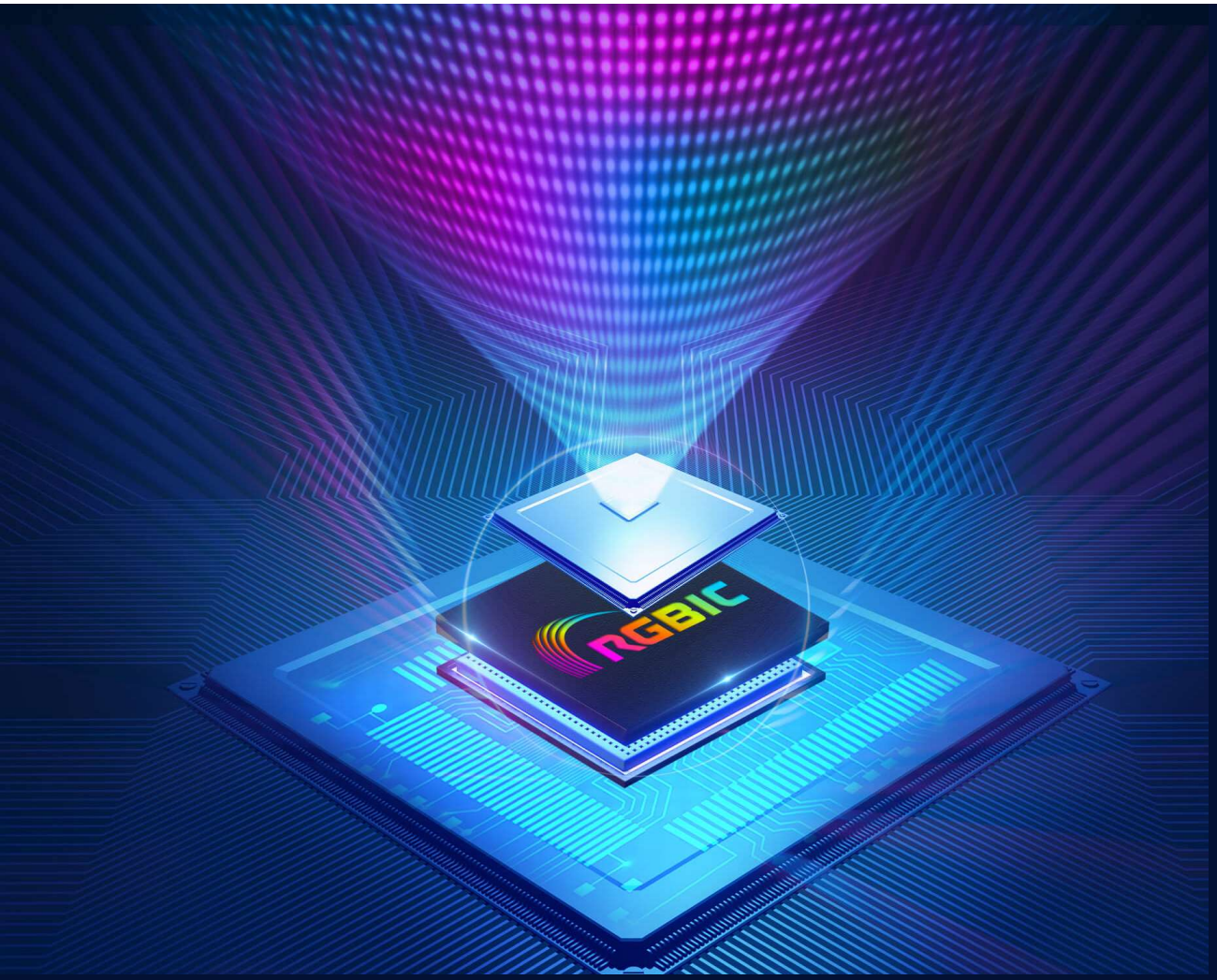
FCOB STRIPS







	PRFPCB- 630RGB
LED per Meter	630
Beam Angle NM (RGBY)	Red(620-630nm), Green(515-525nm), Blue(465-475nm), Yellow(585-595nm)
Color	RGB
Waterproof Level	IP44
Working Voltage	DC-12V
FPCB	8mm
Power Consumption	15 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465
Beam Angle	180
Colour rendering	CRI >90



RGBIC Technology

Our RGBIC strip lights are equipped with over 50 IC (independent control) chips, a major upgrade from the one chip controlling RGB strip lights. Witness vivid rainbow-like Colors constantly flowing, ensuring your entertainment experience is greatly enhanced. Gone are the days of solid-colored lighting. It's time you reinvent your indoor decor with fantastic lighting effects that will surely boost your mood!

RGBIC Technology

Smart App Control

Multi Music Modes

Segmented Color Control

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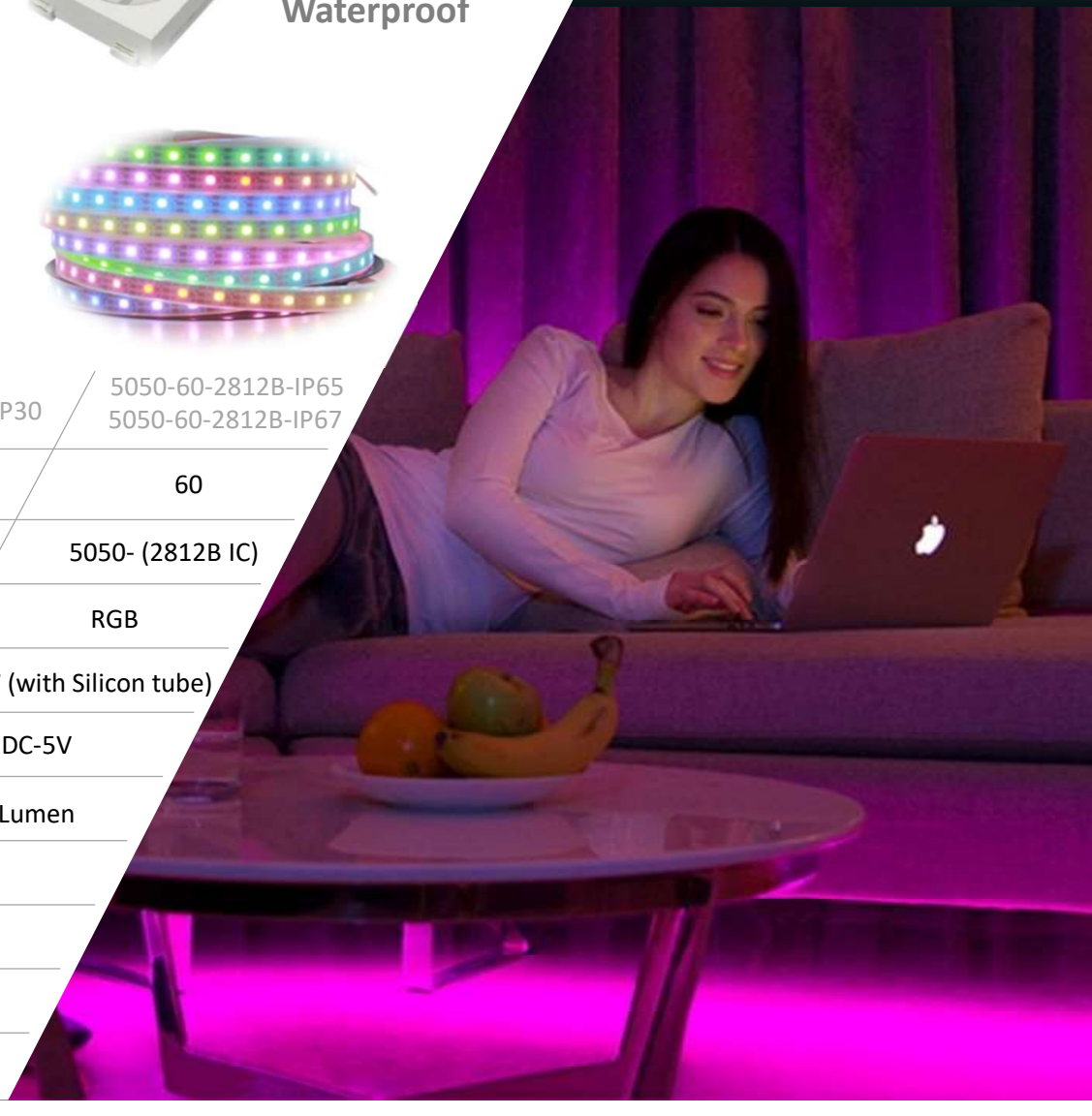
Dream Color STRIPS

WS2812B

IP30
Non-Waterproof

IP65/IP67
Waterproof

	5050-60-2812B-IP30	5050-60-2812B-IP65 5050-60-2812B-IP67
LED per Meter	60	60
SMD / IC Chip Model	5050- (2812B IC)	5050- (2812B IC)
Color	RGB	RGB
Waterproof Level	IP20	IP67 (with Silicon tube)
Working Voltage	DC-5V	DC-5V
LED Lumen (Per LED)	10-12 Lumen	10-12 Lumen
Power Consumption	9 w/m	9 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465	
Beam Angle	120	120
FPCB Type	Double	Double



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Dream Color STRIPS

WS2811

Non-Waterproof **IP67 Waterproof**

1 IC Control 3 LEDs

	5050-60-2811-IP20	5050-60-2811-IP67
LED per Meter	60	60
SMD / IC Chip Model	5050- (2812B IC)	5050- (2812B IC)
Color	RGB	RGB
Waterproof Level	IP20	IP67 (with Silicon tube)
Working Voltage	DC-12V	DC-12V
LED Lumen (Per LED)	10-12 Lumen	10-12 Lumen
Power Consumption	9 w/m	9 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465	
Beam Angle	120	120
FPCB Type	Double	Double

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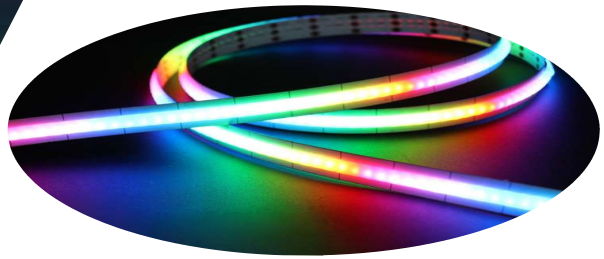
Dream Color

Premium Pro

FCOB STRIPS



	322-2812B
LED per Meter	322
Beam Angle NM (RGBY)	Red(620-630nm), Green(515-525nm), Blue(465-475nm), Yellow(585-595nm)
Color	Dream Color
Waterproof Level	IP44
Working Voltage	DC-12V
FPCB	12mm
Power Consumption	12 w/m
Color Temperature (K)	R:620-625 G:515-522 B:460-465
Beam Angle	180
Colour rendering	CRI >90

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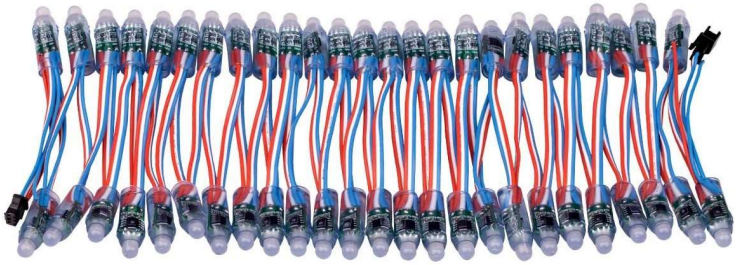
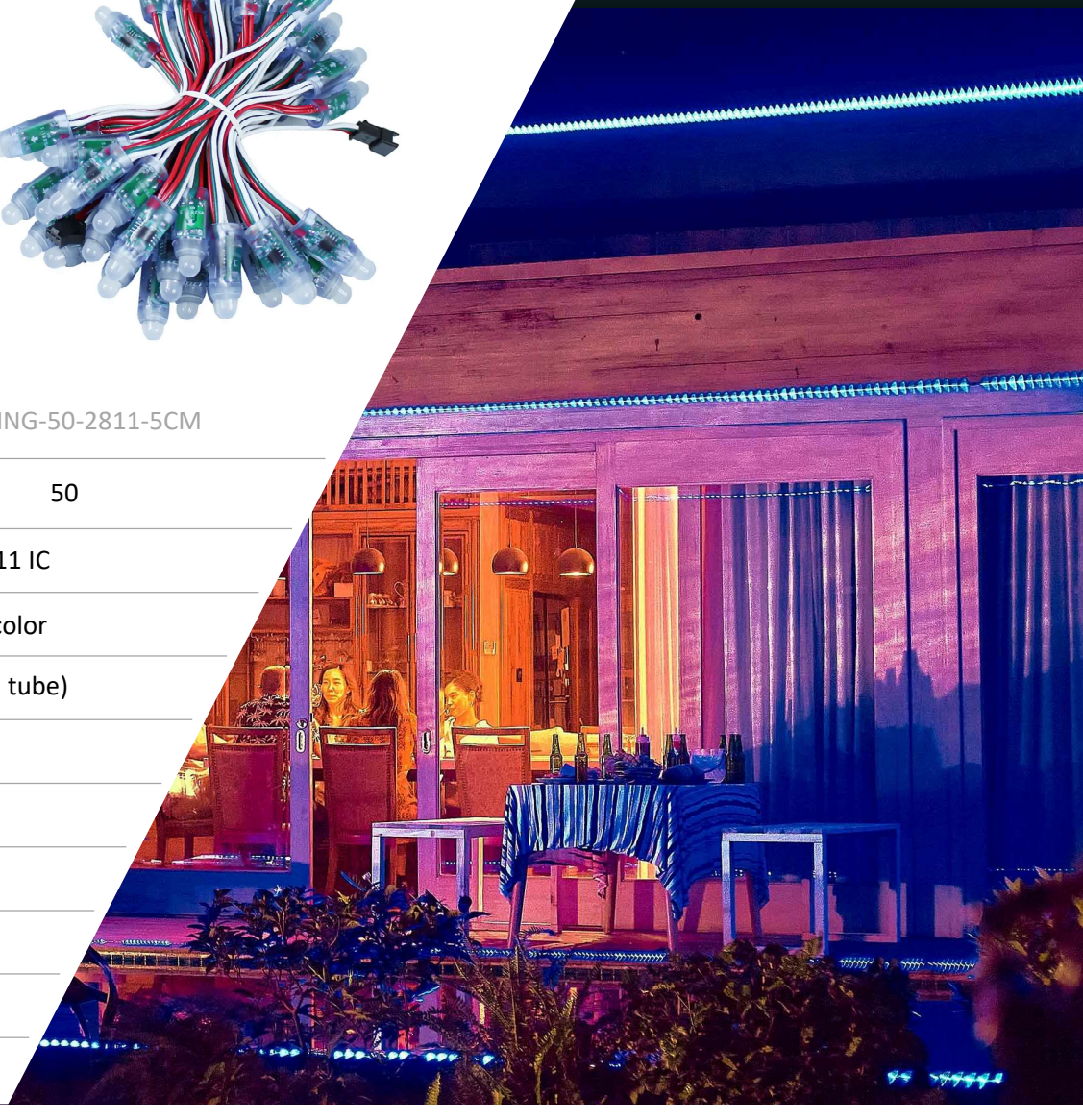
Dream Color STRING

WS2811 (Each Pixel)





	STRING-50-2811-5CM
Bulb per Set	50
IC Chip Model	2811 IC
Color	RGB full color
Waterproof Level	IP67 (with Silicon tube)
Working Voltage	DC-5V
Bulb Lumen (Per Bulb)	8 Lumen
Power Consumption	15W
Color Temperature (K)	R:620-625 G:515-522 B:460-465
Beam Angle	160
Wire Length between Bulbs	5cm

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SMART LIGHTING

www.protiumonline.com

automation@protiumonline.com

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