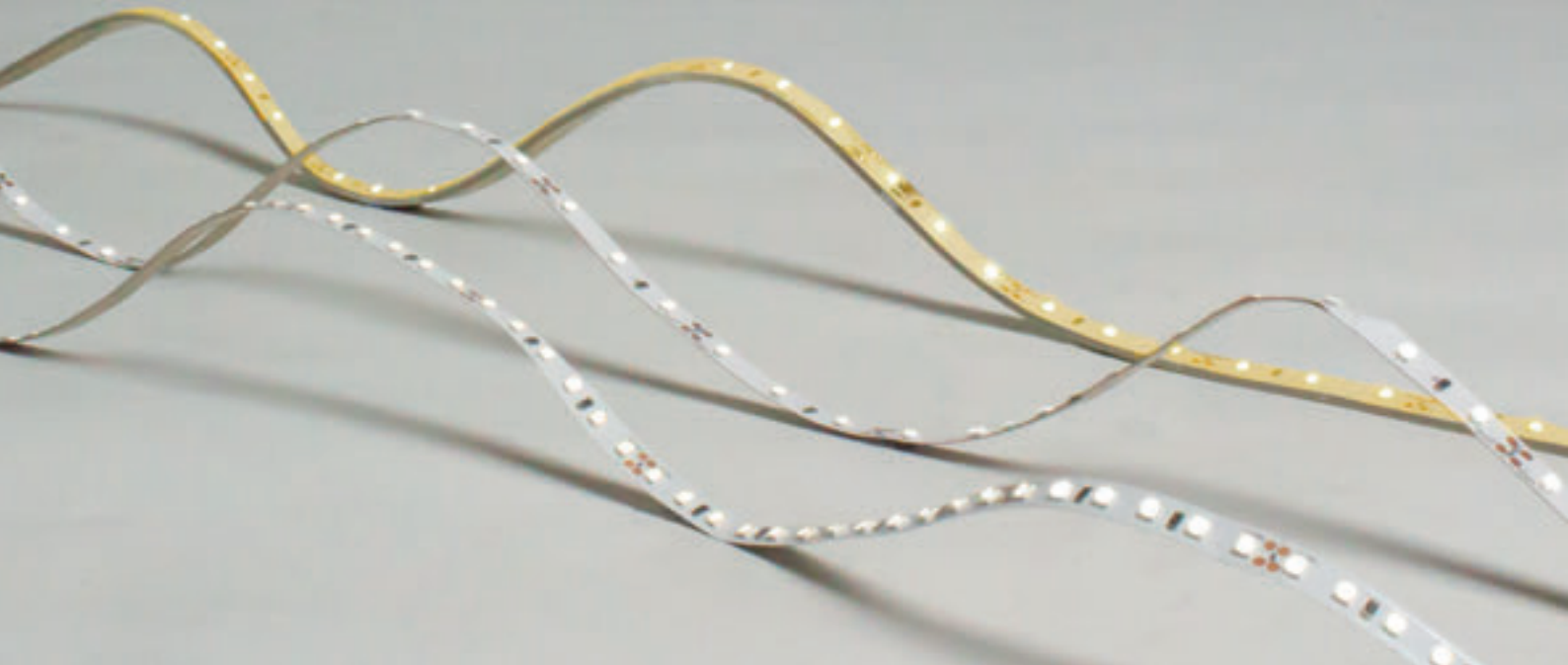


**ROBUS<sup>®</sup>**

# **ROBUS** VEGAS LED FLEXI-STRIP

LED strip-lighting made to measure





+ DC12v

+ DC12v

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# GETTING STARTED



## WHAT IS LED STRIP LIGHTING?

An LED strip light is a flexible circuit board that is populated with LEDs that you can put almost anywhere to add a powerful lighting in a variety of colors and levels of brightness.

The basics are all similar. You will need an LED strip light, driver (sometimes called a power supply) and a way to attach the two to make your lights turn on.

The size and type of a driver will depend on type of LED strip light, length required, and dimming option required.



**Have a clear vision!** Because each project is unique, there is no all-in-one solution. Different projects require different types of LED strips.

Before you order an LED strip, check below:

- What will you be lighting?
- Where will it be installed?
- Do you want to dim your lights or control them with a remote, wall switch or WI-FI?
- What overall look do you want to achieve?
- What color do you need?
- Are there other lights in the area and if so, what color are they?

# TOP 5 THINGS YOU NEED TO KNOW BEFORE CHOOSING LED FLEXI-STRIP

## 1.

COMPARE LUMEN OUTPUT AND CCT COLOUR

**Lumen** is the measurement of brightness as perceived by the human eye. Different projects require a certain amount of brightness to achieve a desired look.

Below is a general guide. We are always available to help design your project with you.

**CCT (Correlated Color Temperature)** refers to the color temperature of light, measured in degrees Kelvin (K).

The temperature rating directly affects what the white light will look like. Choosing light color depends on the effect that is required for each project.

See below left examples on same different light colour temperature.

EXAMPLE OF CCT



Warm  
(3000K)

Neutral  
(4000K)

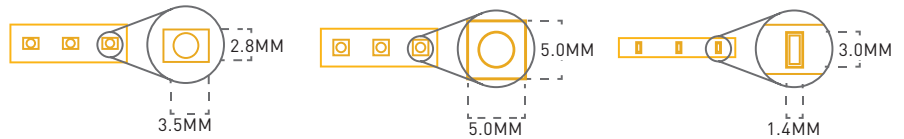
Daylight  
(6500K)

EXAMPLE APPLICATION	LUMEN REQUIRED / FOOT OF LED STRIP
ACCENT LIGHTING & MOOD LIGHTING	~156 - 350
UNDER CABINET LIGHTING	~175 - 525
TASK LIGHTING WITH LOW DISTANCE FROM LIGHT SOURCE	~280 - 437
TASK LIGHTING WITH HIGHER DISTANCE FROM LIGHT SOURCE	~344 - 687
INDIRECT LIGHTING IN A BEDROOM / HOTEL / VEHICLE / LOBBY	~375 - 562
INDUSTRIAL LIGHTING / SIGNAGE / TUBE REPLACEMENTS	~500 - 950

## 2.

COMPARE LED STRIP SIZE AND NUMBER OF LEDS ON THE STRIP

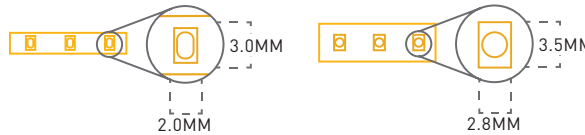
The different numbers correlate to the different physical dimensions of the chip. The numbers 5050, 3528, 2835, etc. correlate to the size of the chip in millimeters. Some LEDs are brighter than others and some give off more light per watt.



3528 SMD LED CHIP

5050 SMD LED CHIP

3014 SMD LED CHIP



3020 SMD LED CHIP

2835 SMD LED CHIP

VEGAS LED STRIPLIGHTS USE:



### SMD 5050

These LED chips are called SMD 5050 because the dimensions of the chips are 5.0mm x 5.0mm. They have 3 LED diodes in one housing (sometimes called tri-chips) and are a lot brighter than individual 3528 LED chips. They are used when you need slight illumination for your project area and especially RGB (Red Green Blue) color changing lights.



### SMD 2835

They are called SMD2835 because the dimension of the chip is 2.8mm \* 3.5mm. This type is a new choice on the LED market as a more efficient replacement for the 5050 – producing 20% more light but drawing less wattage.

# TOP 5 THINGS YOU NEED TO KNOW BEFORE CHOOSING LED FLEXI-STRIP

## 3.

COMPARE LED STRIP SIZE AND NUMBER OF LEDS ON THE STRIP

### WHAT DO THE NUMBERS OF THE LED CHIPS MEAN?

Common LED densities are 30/60/120 LEDs per meter. The total light output of an LED strip is simply the sum of the light output from the individual LEDs on the LED strip. So therefore, LED density has a direct impact on the total amount of light output. The more LEDs per meter, the more light per meter (when comparing situations where the LED is the same).

What is more LED density affect light distribution. Because the LEDs are individual “point sources” depending on how they are installed, the individual

LEDs on an LED strip may create a “dotted” effect or what is also sometimes called “spotting.” A higher density LED strip will have a lower chance of “spotting” and the individual LEDs cannot be seen.

Power draw and light output are roughly proportional, so the same logic as LED density’s effect on light output also applies to power draw. Simply put, higher LED density LED strips will draw more power, assuming we are comparing two strips with the same LEDs, each drawing the same amount of power.

30 LED/M



60 LED/M



120 LED/M





## 4.

COMPARE WATTAGE  
CONSUMED PER STRIP OF LEDS  
AND OPERATING VOLTAGE

Wattage tells us how much power we are consuming while these lights are on, and in turn how much we'll have to pay at the end of each month. Comparing different LED Strip be sure to verify if the wattage is given per meter, or reel before you buy.

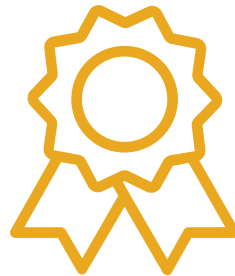
**An LED strip light that uses 24 Volts will not work if you purchase a 12 Volt driver and may also result in risk of fire.**

You need to choose the correct power unit for your lights.

## 5.

COMPARE VERIFIABLE  
QUALITY

You are looking for a “fit- and-forget” lighting system that can be used for years to come.



### SAFETY CERTIFICATIONS

Check the CE / UL listing or RoHS registry to make sure the LEDs are safe and do not contain lead or other hazardous materials.



### TEST REPORTS

Ask for test reports to verify claims of brightness and longevity. These may include LM-80 testing, IES files, etc.



### WARRANTY, CUSTOMER SERVICE, AND INSTALLATION/ DESIGN ASSISTANCE

Ask for help with your project

# HOW TO CHOOSE A POWER SUPPLY FOR YOUR LED FLEXI-STRIP PROJECT

## 1.

DETERMINE THE LED FLEXI-STRIP VOLTAGE

The first step is to figure out what the voltage of the LED flexi-strip is. The majority of LED flexi-strip available on the market run at 12V DC and are used mainly for domestic use. Others are primarily at 24V DC and used for commercial applications.



Voltage is usually listed in LED flexi-strip spec sheet and on packaging. If you don't have an access to any of those, another way to confirm this is to look at the LED flexi-strip PCB. Most LED flexi-strip will have a mark showing 12V or 24V.

Then, check if the voltage on the driver / power supply specifications matches the LED strip.

## 2.

DETERMINE THE POWER DRAW OF THE LED FLEXI-STRIP

Look for either a wattage (W) or amperage (A) specification for the LED flexi-strip. This could be listed as either W/m or A/m, or simply W or A.

FOR EXAMPLE:

You see a flexi-strip with the description "**4.8W/m, 12V 5M LED Strip**". The LED strip lists the total wattage as 24 Watts, or 4.8 Watts per meter. This checks out, because there are 5 meters per reel, and 4.8 Watts/meter \* 5 meters = 24 Watts. Although it's not listed here, we can calculate the amperage using the formula:

$P = V \times A$ , where P is the wattage, V is voltage and A is amperage:

$$24 = 12 \times A$$

$$A = 2.0 \text{ Amps}$$

In electrical terms, we now know that at 12V, this LED strip will draw about 24 Watts per reel (5 meters), or about 2.0 Amps.

### 3.

CHOOSE A DRIVER WITH THE SAME VOLTAGE AND POWER AMPERAGE TO RUN YOUR FLEXI-STRIP

FOR EXAMPLE:

If you would like to use 5m of 4.8W/m, 12V LED flexi-strip in a room, you should use driver that has a rating of at least 24W.

If the power supply's capacity is higher than the LED flexi-strip's power draw (for example 30W), you can safely pair them together.

However, you should never use driver that's capacity is smaller than max power of LED flexi-strip used, as this will damage the strip.

See below safe driver compatibility list for different LED flexi-strip types and lengths (listed min. driver capacity required):

LED STRIP LENGTH (M)	4.8W/M 12V	9.6W 24V	12W/M 24V	14.4W/M 24V
1.0m	5W 12V driver	10W 24V driver	12W 24V driver	15W 24V driver
2.0m	10W 12V driver	20W 24V driver	24W 24V driver	30W 24V driver
3.0m	15W 12V driver	30W 24V driver	36W 24V driver	44W 24V driver
4.0m	20W 12V driver	40W 24V driver	48W 24V driver	58W 24V driver
5.0m	25W 12V driver	50W 24V driver	60W 24V driver	72W 24V driver
6.0m	30W 12V driver	60W 24V driver	72W 24V driver	87W 24V driver
7.0m	35W 12V driver	70W 24V driver	84W 24V driver	101W 24V driver
8.0m	40W 12V driver	80W 24V driver	96W 24V driver	116W 24V driver
9.0m	45W 12V driver	90W 24V driver	108W 24V driver	130W 24V driver
10.0m	50W 12V driver	100W 24V driver	120W 24V driver	144W 24V driver



Please note above wattages may not be available on market, so always round UP to the closest wattage driver.

# WHY VEGAS LED STRIPLIGHTING?

**TRUST ROBUS**  
TO GIVE YOU THE  
BEST QUALITY  
PRODUCT

You need a product you can trust and will produce a good clean light for years to come and save you money in the process.

## FEATURES AND BENEFITS

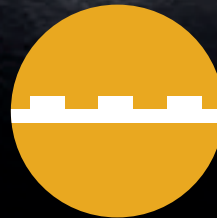
- Flexi-strip available in low (30LED/m), standard (60LED/m) and high (120LED/m) density format using high efficiency SMD LED (5050 or 2835)  
*Provides high brightness and uniform light distribution*
- Low power consumption (4.8W/m, 7.2W/m, 9.6W/m, 14.4W/m)  
*Helps to save energy - tremendous lighting effects can be achieved at very low running costs*
- Cool running with no ultra violet or infra-red in the light beam  
*Will not burn, damage or fade leaves, flowers or other sensitive displays*
- 3 years ROBUS warranty / 30,000 hours rated life  
*Provides over 10 years' service at 5 hours per day*
- Range of control components available (drivers / controllers / amplifiers)  
*Bespoke designs & controls can be achieved*
- Additional connector packs and IP rated boxes with 4 terminal connector block (for waterproof LED strip)  
*Can be used where strip is cut and joined into multiple short lengths / Suitable for control component or wiring joins where conditions are not dry*
- Aluminum extrusions accessories  
*Help to achieve continuous light line, gives nice aesthetics and helps to protect LED strip*



**CUT TO LENGTH**



**FLEXIBLE**



**LOW PROFILE**



**COLOUR OPTIONS**



**ADDED PROTECTION**



**DIMMABLE**



**3M TAPE / PEEL  
& STICK**



**WI-FI  
CONTROLLERS**



# VEGAS IP20 LED FLEXI-STRIP

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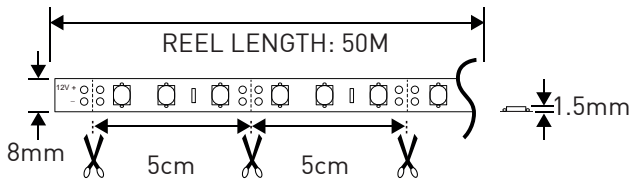
# VEGAS LED IP20 12V NON-WATERPROOF FLEXI-STRIP SINGLE COLOUR



4.8W/M, 12V, STANDARD DENSITY, 60LED/M, SMD2835



- VEGAS single colour SMD2835 LED flexi-strip with 3M™ self-adhesive tape
- Low power consumption of 4.8W per meter
- Cutting points every 3 LEDs / 5cm
- Requires 12V LED driver (sold separately)
- Voltage drop of 2.86V per 10m and maximum continuous run of 10m
- For runs over 10m individual lengths should be connected in parallel
- Available in warm white and neutral white
- Easy clip connector packs available as accessories



CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA48302050	4.8W/m	12V	500LM/m	120°	3000K	80	20	50m	30,000hrs
RVA48402050	4.8W/m	12V	510LM/m	120°	4000K	80	20	50m	30,000hrs



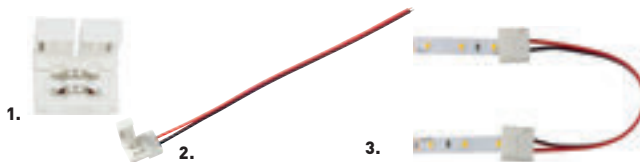
## IP20 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA1512-PSU</b>	VEGAS 15W, 12V, IP20 constant voltage driver, non-dimmable	1m – 3m
<b>RVA3012-PSU</b>	VEGAS 30W, 12V, IP20 constant voltage driver, non-dimmable	4m – 6m
<b>RVA6012-PSU</b>	VEGAS 60W, 12V, IP20 constant voltage driver, non-dimmable	7m – 12m
<b>RVA10012-PSU</b>	VEGAS 100W, 24V, IP20 constant voltage driver, non dimmable	13m – 20m
<b>RVA18012-PSU</b>	VEGAS 180W, 12V, IP20 constant voltage driver, non dimmable	21m – 37m

## IP20 DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA3012DU-PSU</b>	VEGAS 30W, 12V, IP20 driver, triac dimmable	1m – 6m
<b>RVA5012DU-PSU</b>	VEGAS 50W, 12V, IP20 driver, triac dimmable	7m – 10m
<b>RVA7512DU-PSU</b>	VEGAS 75W, 12V, IP20 driver, triac dimmable	11m – 15m

## LED FLEXI-STRIP CLIP CONNECTORS



### RVA48-CONN

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:

**1.** STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE



**RVA48L-CONN**  
(3 PCS)



**RVA48T-CONN**  
(3 PCS)



**RVA48X-CONN**  
(3 PCS)

IP20 DRIVERS

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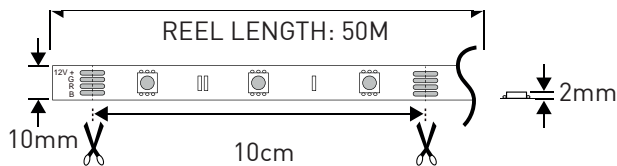
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**ROBUS** VEGAS LED FLEXI-STRIP

# VEGAS LED IP20 12V NON-WATERPROOF FLEXI-STRIP RGB COLOUR CHANGING



7.2W, 12V, LOW DENSITY, RGB, 30LED/M, SMD5050



- VEGAS RGB (Red, Green, Blue) colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 7.2W per meter
- Cutting points every 3 LEDs / 10cm
- Requires 12V LED driver (sold separately)
- Voltage drop of 3.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector packs available as accessories



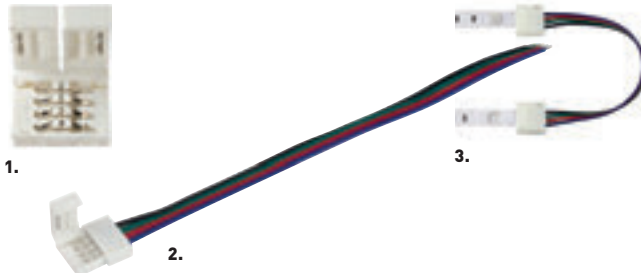
RGB

CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA72RGB2050	7.2/m	12V	-	120°	RGB	80	20	50m	30,000hrs

## IP20 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA1512-PSU</b>	VEGAS 15W, 12V, IP20 constant voltage driver, non-dimmable	1m – 2m
<b>RVA3012-PSU</b>	VEGAS 30W, 12V, IP20 constant voltage driver, non-dimmable	3m – 4m
<b>RVA6012-PSU</b>	VEGAS 60W, 12V, IP20 constant voltage driver, non-dimmable	5m – 8m
<b>RVA10012-PSU</b>	VEGAS 100W, 12V, IP20 constant voltage driver, non-dimmable	9m – 13m
<b>RVA18012-PSU</b>	VEGAS 150W, 12V, IP20 constant voltage driver, non-dimmable	14m – 25m

## LED FLEXI-STRIP CLIP CONNECTORS



### RVARGB-CONN

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:

**1.** STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE



**RVARGBL-CONN**  
(3 PCS)



**RVARGBT-CONN**  
(3 PCS)



**RVARGBX-CONN**  
(3 PCS)

IP20 DRIVERS

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RGB AMPLIFIERS & CONTROLLERS

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**ROBUS** VEGAS LED FLEXI-STRIP



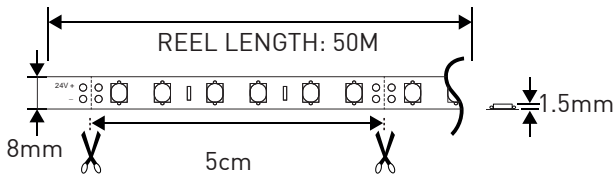
# VEGAS LED IP20 24V NON-WATERPROOF FLEXI-STRIP SINGLE COLOUR



9.6W/M, 24V, HIGH DENSITY, 120LED/M, SMD2835



- VEGAS single colour SMD2835 LED flexi-strip with 3M™ self-adhesive tape
- Low power consumption of 9.6W per meter
- Cutting points every 6 LEDs / 5cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 4V per 10m and maximum continuous run of 10m
- For runs over 10m individual lengths should be connected in parallel
- Available in warm white and neutral white
- Easy clip connector packs available as accessories



CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
<b>RVA96302050</b>	9.6W/m	24V	1070LM/m	120°	3000K	80	20	50m	30,000hrs
<b>RVA96402050</b>	9.6W/m	24V	1075LM/m	120°	4000K	80	20	50m	30,000hrs

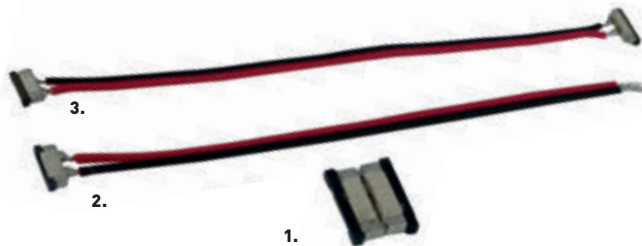
## IP20 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA1524-PSU</b>	VEGAS 15W, 24V, IP20 constant voltage driver, non-dimmable	1m
<b>RVA3024-PSU</b>	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m – 3m
<b>RVA6024-PSU</b>	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	4m – 6m
<b>RVA10024-PSU</b>	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	7m – 10m
<b>RVA15024-PSU</b>	VEGAS 150W, 24V, IP20 constant voltage driver, non dimmable	11m – 15m
<b>RVA25024-PSU</b>	VEGAS 250W, 24V, IP20 constant voltage driver, non dimmable	16m – 26m
<b>RVA32024-PSU</b>	VEGAS 320W, 24V, IP20 constant voltage driver, non dimmable	27m – 33m

## IP20 DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA3024DU-PSU</b>	VEGAS 30W, 24V, IP20 driver, triac dimmable	1m – 3m
<b>RVA5024DU-PSU</b>	VEGAS 50W, 24V, IP20 driver, triac dimmable	4m – 5m
<b>RVA7524DU-PSU</b>	VEGAS 75W, 24V, IP20 driver, triac dimmable	6m – 7m

## FLEXI-STRIP CLIP CONNECTORS



### RVA96-CONN

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:

**1.** STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE

IP20 DRIVERS

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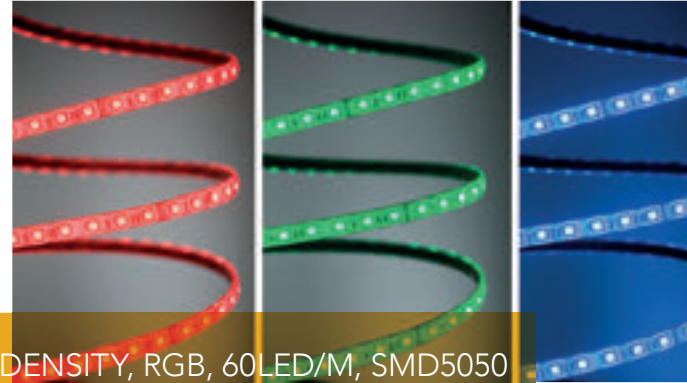
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**ROBUS** VEGAS LED FLEXI-STRIP



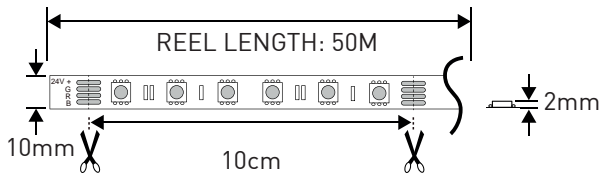
# VEGAS LED IP20 24V NON-WATERPROOF FLEXI-STRIP RGB COLOUR CHANGING



14.4W/M, 24V, STANDARD DENSITY, RGB, 60LED/M, SMD5050



- VEGAS RGB colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 14.4W per meter
- Cutting points every 6 LEDs /10cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 3.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector packs available as accessories

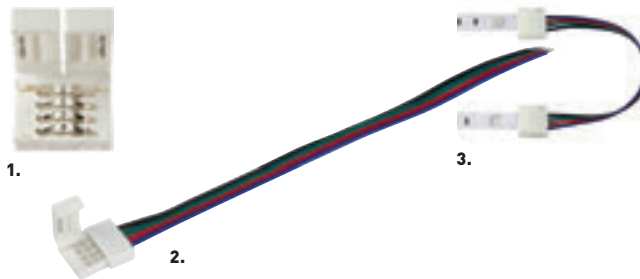


CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA14RGB2050	14.4W/m	24V	-	120°	RGB	80	20	50m	30,000hrs

## IP20 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA1524-PSU</b>	VEGAS 15W, 24V, IP20 constant voltage driver, non-dimmable	1m
<b>RVA3024-PSU</b>	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m
<b>RVA6024-PSU</b>	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	3m - 4m
<b>RVA10024-PSU</b>	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	5m - 6m
<b>RVA15024-PSU</b>	VEGAS 150W, 24V, IP20 constant voltage driver, non-dimmable	7m - 10m
<b>RVA25024-PSU</b>	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	11m-17m
<b>RVA32024-PSU</b>	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	18m - 22m

## LED FLEXI-STRIP CLIP CONNECTORS



### RVARGB-CONN

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:

**1.** STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE



**RVARGBL-CONN**  
(3 PCS)



**RVARGBT-CONN**  
(3 PCS)



**RVARGBX-CONN**  
(3 PCS)

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**ROBUS** VEGAS LED FLEXI-STRIP



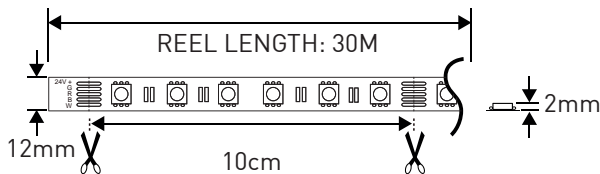
# VEGAS LED IP20 24V NON-WATERPROOF FLEXI-STRIP RGBW COLOUR CHANGING



12W/M, 24V, STANDARD DENSITY, RGBW, 60LED/M, SMD5050



- VEGAS RGBW color changing LED strip with 3M™ self-adhesive tape
- Power consumption of 12W per meter
- Cutting points every 6 LEDs / 10 cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 4.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector packs available as accessories



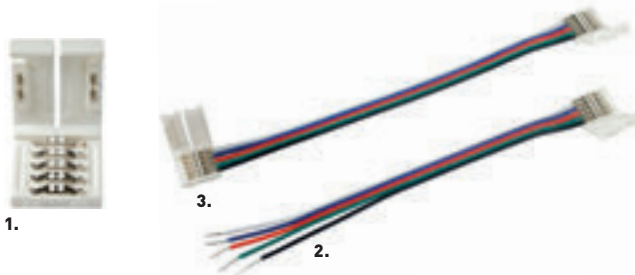
CODE	POWER	VOLTAGE	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA12RGBW2030-30	12W/m	24V	120°	RGB + 3000K	80	20	30m	30,000hrs
RVA12RGBW2030-40	12W/m	24V	120°	RGB + 4000K	80	20	30m	30,000hrs



## IP20 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA1524-PSU</b>	VEGAS 15W, 24V, IP20 constant voltage driver, non-dimmable	1m
<b>RVA3024-PSU</b>	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m
<b>RVA6024-PSU</b>	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	3m-5m
<b>RVA10024-PSU</b>	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	6m – 8m
<b>RVA15024-PSU</b>	VEGAS 150W, 24V, IP20 constant voltage driver, non-dimmable	9m – 12m
<b>RVA25024-PSU</b>	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	13m – 20m
<b>RVA32024-PSU</b>	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	21m – 26m

## LED FLEXI-STRIP CLIP CONNECTORS



### RVARGBW-CONN

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:

**1.** STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE



**RVARGBWL-CONN**  
(3 PCS)



**RVARGBWT-CONN**  
(3 PCS)



**RVARGBWX-CONN**  
(3 PCS)

IP20 DRIVERS

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RGBW AMPLIFIERS & CONTROLLERS

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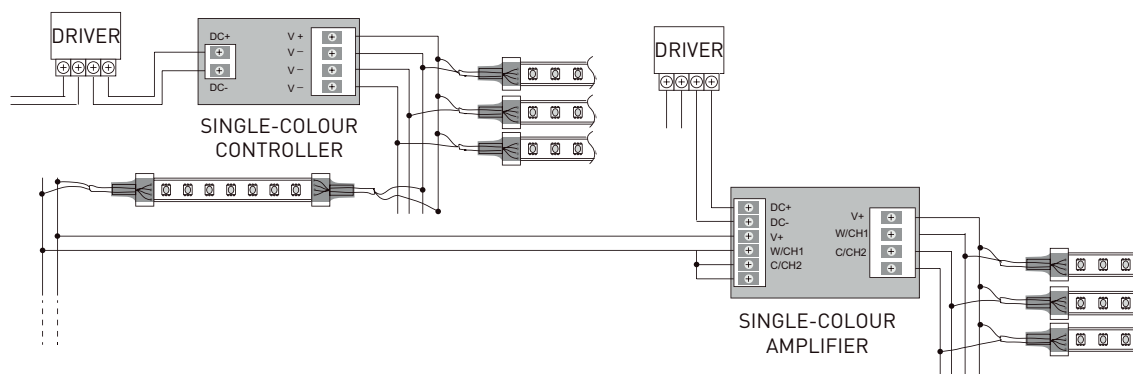
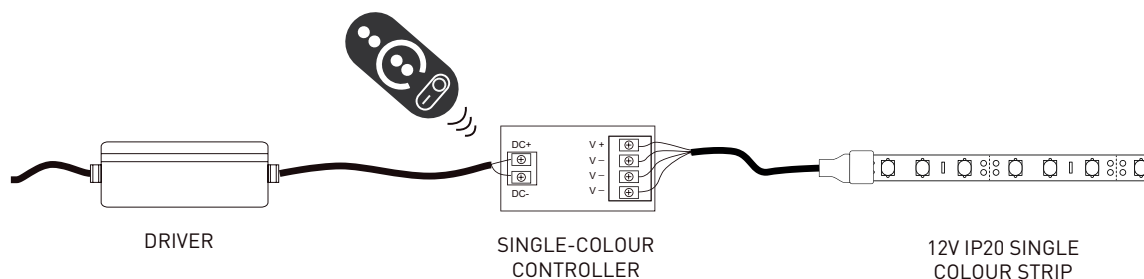
EXTRUSIONS

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**ROBUS** VEGAS LED STRIPLIGHTS

# HOW TO CONNECT 12V SINGLE COLOUR VEGAS LED FLEXI-STRIP

EXAMPLE INSTALLATION: SINGLE COLOUR CONTROLLER - 10M VEGAS IP20 4.8W/M FLEXI-STRIP

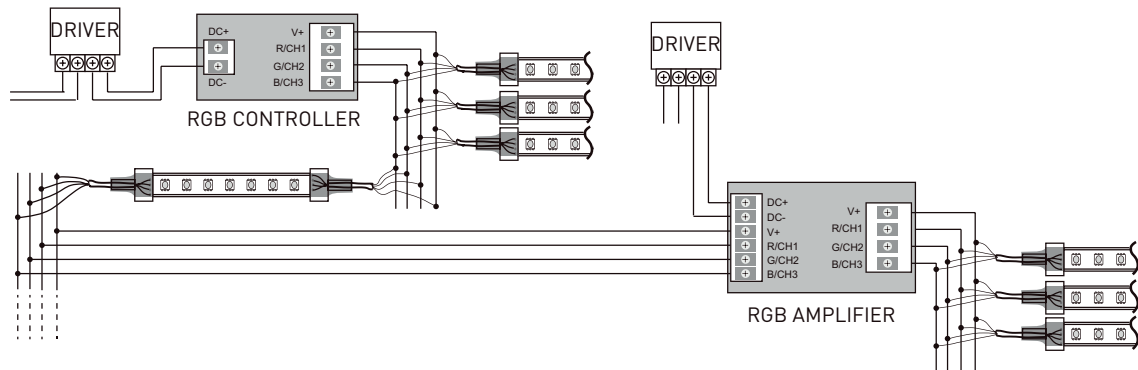
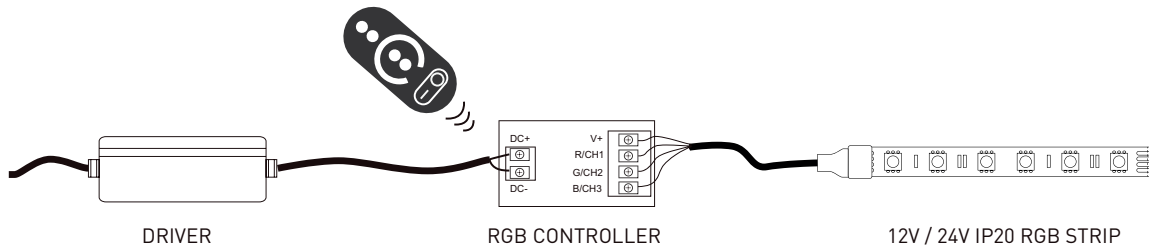


	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED STRIP	<b>RVA48X02050</b>	1	1	1	2	3	4	5
SINGLE COLOUR CONTROLLER	<b>RVACCT1-CRTL</b>	1	1	1	1	1	1	1
SINGLE COLOUR AMPLIFIER	<b>RVACCT1-AMP</b>	0	0	0	1	2	3	4
12V CV NON-DIM LED DRIVER 15W	<b>RVA1512-PSU</b>	1	0	0	0	0	0	0
12V CV NON-DIM LED DRIVER 30W	<b>RVA3012-PSU</b>	0	1	0	0	0	0	0
12V CV NON-DIM LED DRIVER 60W	<b>RVA6012-PSU</b>	0	0	1	2	3	4	5

**Note:** Controller and amplifier only required for white flexi-strip that is to be dimmed

# HOW TO CONNECT 12V / 24V RGB VEGAS LED FLEXI-STRIP

EXAMPLE INSTALLATION: RGB CONTROLLER - 5M VEGAS RGB IP20W 7.2W 12V STRIP

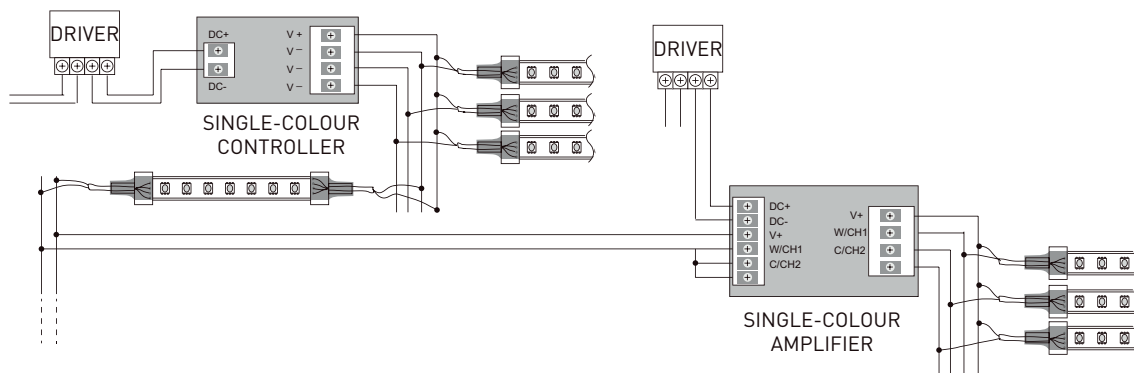
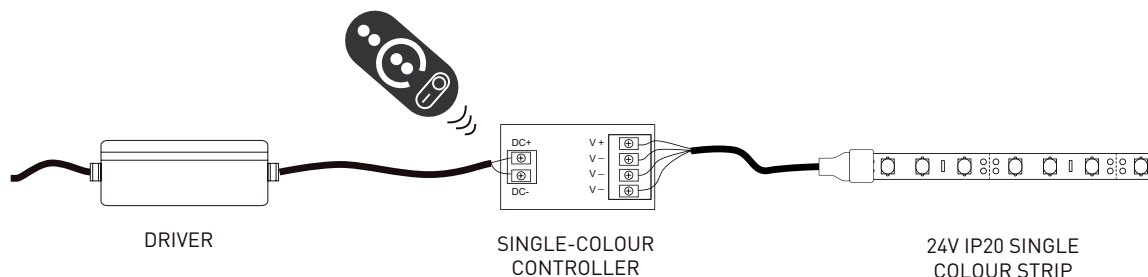


	CODE	2M	5M	10M	11-15M	16-20M	21-25M	26-30M
<b>LED STRIP</b>	RVA72RGB2050	1	1	2	3	4	5	6
<b>RGB CONTROLLER</b>	RVARGB-CRTL	1	1	1	1	1	1	1
<b>RGB AMPLIFIER</b>	RVARGB-AMP	0	0	1	2	3	4	5
<b>12V CV NON-DIM LED DRIVER 30W</b>	RVA3012-PSU	1	0	0	0	0	0	0
<b>12V CV NON-DIM LED DRIVER 60W</b>	RVA6012-PSU	0	1	2	3	4	5	6

**Note:** The signal to the amplifier can come from any part of the system where the RGB and common are available

# HOW TO CONNECT 24V SINGLE COLOUR VEGAS LED FLEXI-STRIP

EXAMPLE INTALLATION SINGLE COLOUR CONTROLLER - 10M VEGAS IP20 9.6W/M STRIP

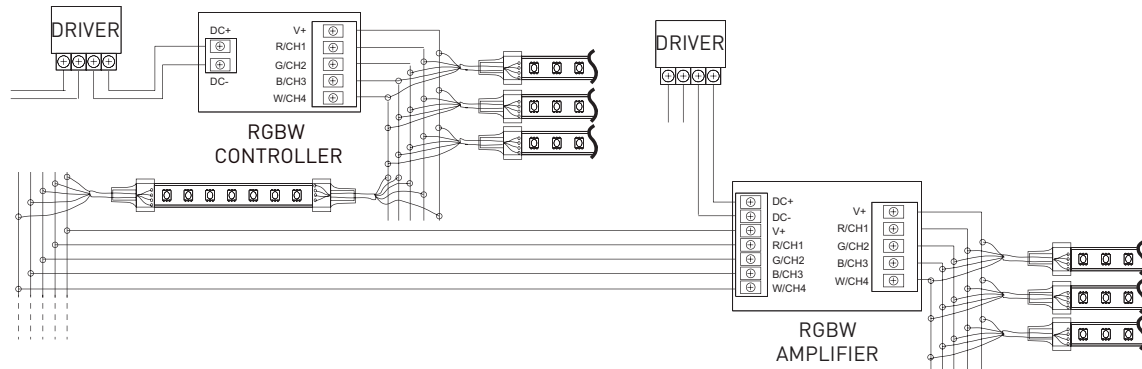
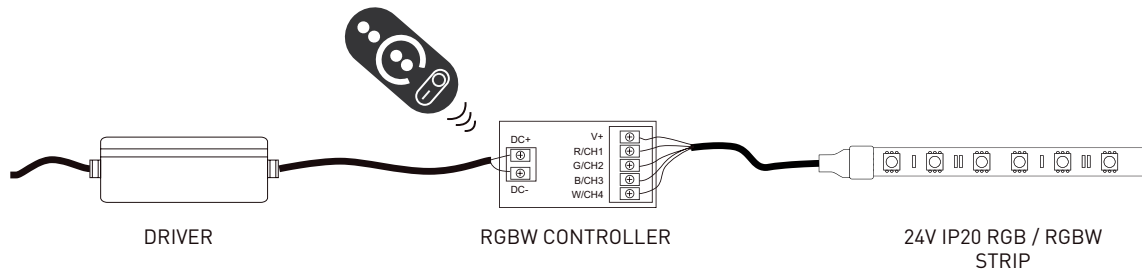


	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED STRIP	RVA96X02050	1	1	1	2	3	4	5
SINGLE COLOUR CONTROLLER	RVACT1-CRTL	1	1	1	1	1	1	1
SINGLE COLOUR AMPLIFIER	RVACT1-AMP	0	0	0	1	2	3	4
24V CV NON-DIM LED DRIVER 30W	RVA3024-PSU	1	0	0	0	0	0	0
24V CV NON-DIM LED DRIVER 60W	RVA6024-PSU	0	1	0	0	0	0	0
24V CV NON-DIM LED DRIVER 100W	RVA10024-PSU	0	0	1	2	3	4	5

**Note:** Controller and amplifier only required for white flexi-strip that is to be dimmed

# HOW TO CONNECT 24V RGB+ WARM / COOL WHITE VEGAS LED FLEXI-STRIP

EXAMPLE INTALLATION RGB CONTROLLER - 5M VEGAS RGBW IP20 12W/M STRIP



	CODE	2M	5M	10M	11-15M	16-20M	21-25M	26-30M
<b>LED STRIP</b>	RVA12RGBW2050-X0	1	1	2	3	4	5	6
<b>RGB / RGBW CONTROLLER</b>	RVARGBW-CRTL	1	1	1	1	1	1	1
<b>RGB / RGBW AMPLIFIER</b>	RVARGBW-AMP	0	0	1	2	3	4	5
<b>24V CV NON-DIM LED DRIVER 30W</b>	RVA3024-PSU	1	0	0	0	0	0	0
<b>24V CV NON-DIM LED DRIVER 100W</b>	RVA10024-PSU	0	1	2	3	4	5	6

**Note:** The signal to the amplifier can come from any part of the system where the RGBW and common are available



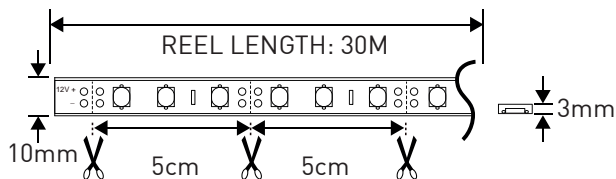
# VEGAS IP67 LED FLEXI-STRIP

<b>IP67 12V WATERPROOF FLEXI-STRIP</b>	<b>30</b>
4.8W/M SINGLE COLOUR, STANDARD DENSITY	30
7.2W/M RGB COLOUR CHANGING, LOW DENSITY	32
<b>IP67 24V WATERPROOF FLEXI-STRIP</b>	<b>34</b>
9.6W/M SINGLE COLOUR, HIGH DENSITY	34
14.4W/M RGB COLOUR CHANGING, STANDARD DENSITY	36
12W/M RGBW COLOUR CHANGING, STANDARD DENSITY.	38

# VEGAS LED IP67 12V WATERPROOF FLEXI-STRIP SINGLE COLOUR



4.8W/M, 12V, STANDARD DENSITY, 60LED/M, SMD2835



- VEGAS single colour SMD2835 LED flexi-strip with 3M™ self-adhesive tape
- Low power consumption of 4.8W per meter
- Cutting points every 3 LEDs / 5cm
- Requires 12V LED driver
- Voltage drop of 2.86V per 10m and maximum continuous run of 10m
- For runs over 10m individual lengths should be connected in parallel
- Available in warm white and neutral white
- Easy clip connector packs available as accessories



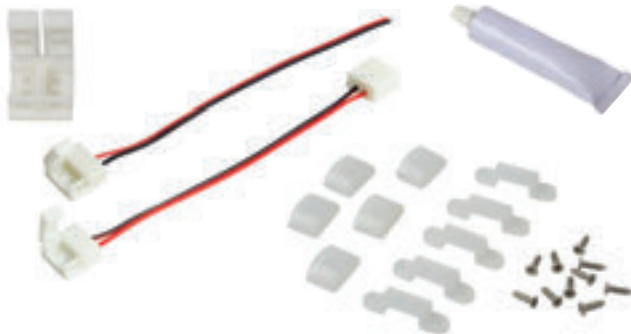
CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA48306730	4.8W/m	12V	480LM/m	120°	3000K	80	67	30m	30,000hrs
RVA48406730	4.8W/m	12V	515LM/m	120°	4000K	80	67	30m	30,000hrs



## IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA6012IP67-PSU</b>	VEGAS 60W, 12V, IP67 constant voltage driver, non-dimmable	1m – 12m
<b>RVA10012IP67-PSU</b>	VEGAS 100W, 12V, IP67 constant voltage driver, non-dimmable	13m – 20m
<b>RVA20012IP67-PSU</b>	VEGAS 200W, 12V, IP67 constant voltage driver, non-dimmable	21m – 41m

## LED FLEXI-STRIP CLIP CONNECTORS



### RVA67-CONNPK

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH CONNECTOR, END CAPS, CLIPS, HEAT SHRINK AND GLUE



**RVBIP2**  
IP RATED BOX, LARGE



**RVBIP1**  
IP RATED BOX, SMALL

IP67 DRIVERS

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AMPLIFIERS & CONTROLLERS

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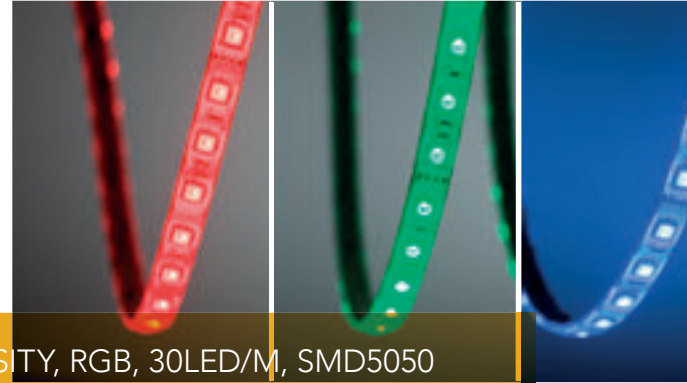
EXTRUSIONS

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**ROBUS** VEGAS LED FLEXI-STRIP



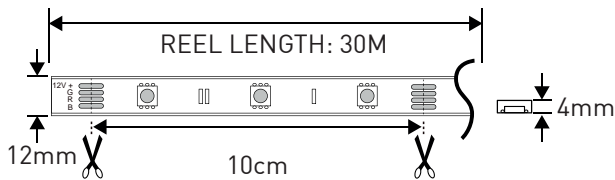
# VEGAS LED IP67 12V WATERPROOF FLEXI-STRIP RGB COLOUR CHANGING



7.2W, 12V, LOW DENSITY, RGB, 30LED/M, SMD5050



- VEGAS RGB colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 7.2W per meter
- Cutting points every 3 LEDs / every 10cm
- Requires 12V (sold separately)
- Voltage drop of 3.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector packs available as accessories



CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA72RGB6730	7.2/m	12V	-	120°	RGB	80	67	30m	30,000hrs

## IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA6012IP67-PSU</b>	VEGAS 60W, 12V, IP67 constant voltage driver, non-dimmable	1m – 8m
<b>RVA10012IP67-PSU</b>	VEGAS 100W, 12V, IP67 constant voltage driver, non-dimmable	9m – 13m
<b>RVA20012IP67-PSU</b>	VEGAS 200W, 12V, IP20 constant voltage driver, non-dimmable	14m – 27m

## LED FLEXI-STRIP CLIP CONNECTORS



### **RVA67RGB-CONN**

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH CONNECTOR, END CAPS, CLIPS, HEAT SHRINK AND GLUE



**RVBIP2**  
IP RATED BOX, LARGE



**RVBIP1**  
IP RATED BOX, SMALL

IP67 DRIVERS

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EXTRUSIONS

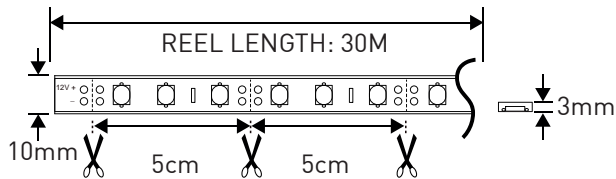
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**ROBUS** VEGAS LED FLEXI-STRIP

# VEGAS LED IP67 24V WATERPROOF FLEXI-STRIP SINGLE COLOUR



9.6W/M, 24V, HIGH DENSITY, 120LED/M, SMD2835



- VEGAS single colour SMD2835 LED flexi-strip with 3M™ self-adhesive tape
- Low power consumption of 9.6W per meter
- Cutting points every 6 LEDs / 5cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 4V per 10m and maximum continuous run of 10m
- For runs over 10m individual lengths should be connected in parallel
- Available in warm white and neutral white
- Easy clip connector packs available as accessories



CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
<b>RVA96306730</b>	9.6W/m	24V	990LM/m	120°	3000K	80	67	30m	30,000hrs
<b>RVA96406730</b>	9.6W/m	24V	995LM/m	120°	4000K	80	67	30m	30,000hrs

## IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA6024IP67-PSU</b>	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	1m – 6m
<b>RVA10024IP67-PSU</b>	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	7m – 10m
<b>RVA20024IP67-PSU</b>	VEGAS 200W, 24V, IP67 constant voltage driver, non-dimmable	11m – 20m

## LED FLEXI-STRIP CLIP CONNECTORS



### RVA67-CONN

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH CONNECTOR, END CAPS, CLIPS, HEAT SHRINK AND GLUE



**RVBIP2**  
IP RATED BOX, LARGE



**RVBIP1**  
IP RATED BOX, SMALL

IP67 DRIVERS

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AMPLIFIERS & CONTROLLERS

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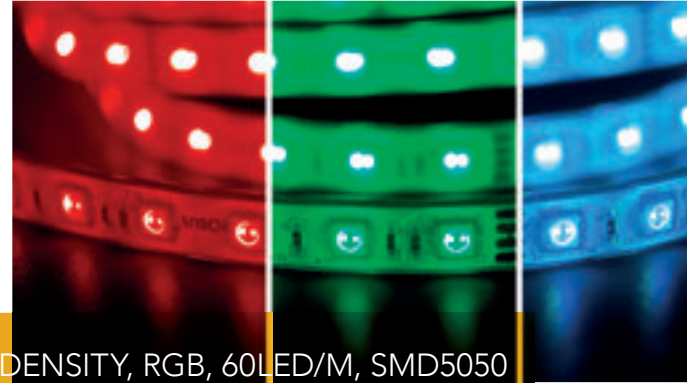
EXTRUSIONS

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**ROBUS** VEGAS LED FLEXI-STRIP



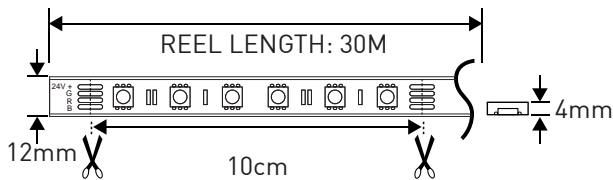
# VEGAS LED IP67 24V WATERPROOF FLEXI-STRIP RGB COLOUR CHANGING



14.4W/M, 24V, STANDARD DENSITY, RGB, 60LED/M, SMD5050



- VEGAS RGB colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 14.4W per meter
- Cutting points every 6 LEDs / 10cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 3.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector packs available as accessories



CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA14RGB6730	14.4W/m	24V	-	120°	RGB	80	67	30m	30,000hrs

## IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA6024IP67-PSU</b>	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	1m – 4m
<b>RVA10024IP67-PSU</b>	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	5m – 6m
<b>RVA20024IP67-PSU</b>	VEGAS 200W, 24V, IP67 constant voltage driver, non-dimmable	7m – 13m

## LED FLEXI-STRIP CLIP CONNECTORS



### RVA67RGB-CONNPK

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH CONNECTOR, END CAPS, CLIPS, HEAT SHRINK AND GLUE



**RVBIP2**  
IP RATED BOX, LARGE



**RVBIP1**  
IP RATED BOX, SMALL

IP67 DRIVERS

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**ROBUS** VEGAS LED FLEXI-STRIP

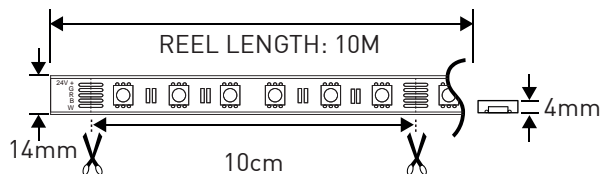
# VEGAS LED IP67 24V WATERPROOF FLEXI-STRIP RGBW COLOUR CHANGING



12W/M, 24V, STANDARD DENSITY, RGBW, 60LED/M, SMD5050



- VEGAS RGBW colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 12W per meter
- Cutting points every 6 LEDs / 10 cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 4.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector pack available as accessories



CODE	POWER	VOLTAGE	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA12RGBW6710-30	12W/m	24V	120°	RGB + 3000K	80	67	10m	30,000hrs
RVA12RGBW6710-40	12W/m	24V	120°	RGB + 4000K	80	67	10m	30,000hrs



## IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
<b>RVA6024IP67-PSU</b>	VEGAS 60W, 24V, IP67 constant voltage driver, non dimmable	1m-5m
<b>RVA10024IP67-PSU</b>	VEGAS 100W, 24V, IP67 constant voltage driver, non dimmable	6m-8m
<b>RVA20024IP67-PSU</b>	VEGAS 200W, 24V, IP67 constant voltage driver, non dimmable	9m-16m

## LED FLEXI-STRIP CLIP CONNECTORS



### **RVA67RGBW-CONN**

EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH CONNECTOR, END CAPS, CLIPS, HEAT SHRINK AND GLUE



**RVBIP2**  
IP RATED BOX, LARGE



**RVBIP1**  
IP RATED BOX, SMALL

IP67 DRIVERS

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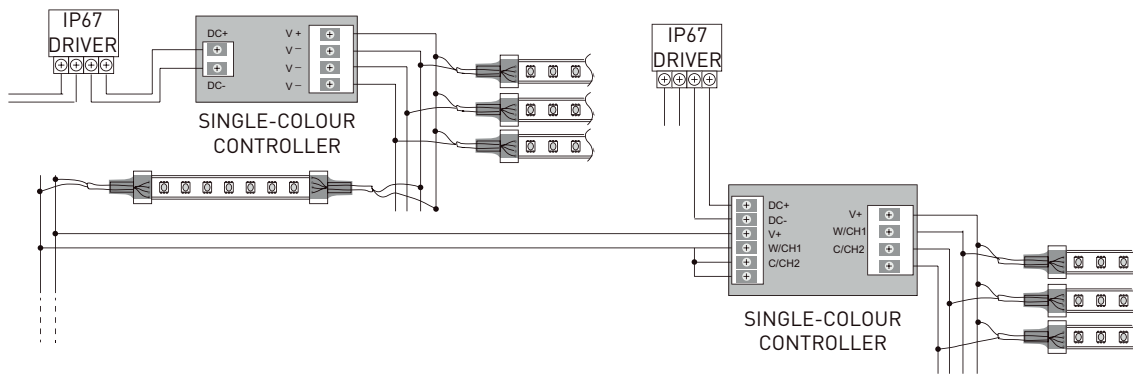
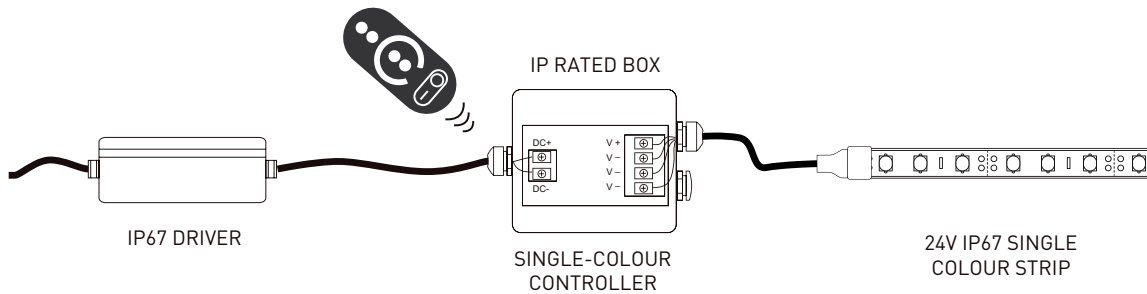
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**ROBUS** VEGAS LED FLEXI-STRIP



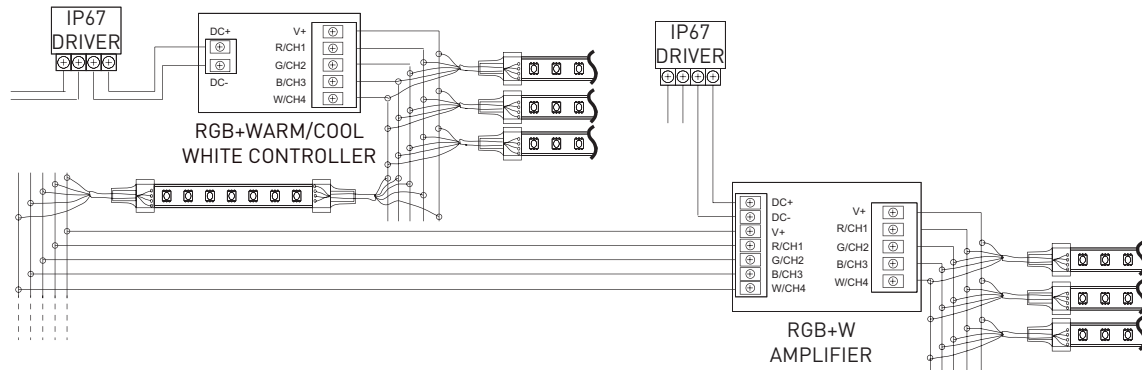
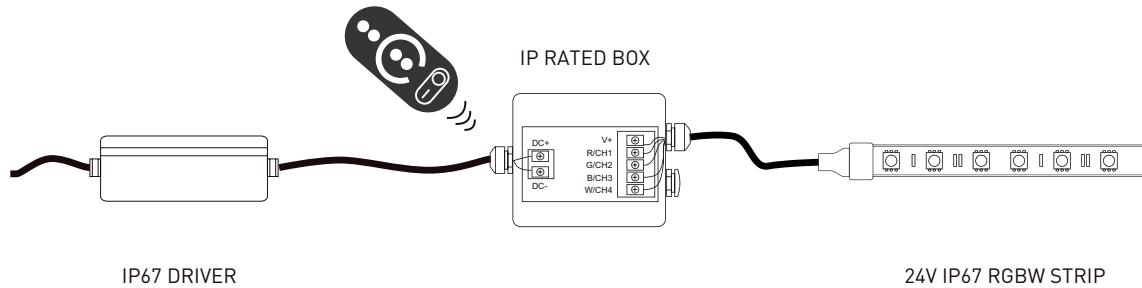
# HOW TO CONNECT IP67 FLEXI-STRIP WITH CONTROLLER AND POWER SUPPLY

EXAMPLE INTALLATION SINGLE COLOUR CONTROLLER - 10M VEGAS IP67 9.6W/M STRIP



	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
<b>LED STRIP</b>	RVA96X02030	1	1	1	2	3	4	5
<b>SINGLE COLOUR CONTROLLER</b>	RVACCT1-CRTL	1	1	1	1	1	1	1
<b>SINGLE COLOUR AMPLIFIER</b>	RVACCT1-AMP	0	0	0	1	2	3	4
<b>24V CV NON-DIM LED DRIVER 60W</b>	RVA6024IP67-PSU	1	1	1	2	3	4	5
<b>IP RATED BOX</b>	RVBIP2	1	1	1	2	3	4	5

EXAMPLE INTALLATION RGBW CONTROLLER - 5M VEGAS RGBW 12W/M STRIP IP67



	CODE	2M	5M	10M	11-15M	16-20M	21-25M	26-30M
<b>LED STRIP</b>	RVA12RGBW6730-x0	1	1	2	3	4	5	6
<b>RGBW CONTROLLER</b>	RVARGBW-CRTL	1	1	1	1	1	1	1
<b>RGBW AMPLIFIER</b>	RVBAGBW-AMP	0	0	1	2	3	4	5
<b>24V CV NON-DIM LED DRIVER 60W IP67</b>	RVA6024IP67-PSU	1	0	0	0	0	0	0
<b>24V CV NON-DIM LED DRIVER 100W IP67</b>	RVA10024IP67-PSU	0	1	2	3	4	5	6
<b>IP Rated Box</b>	RVBIP2	1	1	2	3	4	5	6

**Note:** The signal to the amplifier can come from any part of the system where the RGBW and common are available

# HOW TO CUT AND CONNECT LED WATERPROOF FLEXI-STRIP USING IP67 CONNECTOR PACK AND MAINTAINING IP RATING

## STEP 1:

Ensure mains supply is switched off before commencing work.

## STEP 2:

When cutting, ensure that the cut is made at the scissor mark.

## STEP 3:

When cut, to make the final cut end weather proof, use the supplied end-cap & glue. Apply glue to the end-cap and push onto the end of the strip. Ensure it is sealed.\*

## STEP 4:

Peel back 5mm of 3M tape. Open the connector, keep the LEDs pointing upwards, align the teeth with the copper conductors. Push down hard so that the teeth have pierced the PCB, close the connector. Please ensure the correct pin sequence is connected to the strip.

## STEP 5:

Connector and LED strip must be inserted into the heat-shrink tube. the tube must be extended at least 2cm beyond the connector each side. For added weather proofing apply glue into of the tube.

## STEP 6:

Heat the shrink tube using a heat-gun.

## STEP 7:

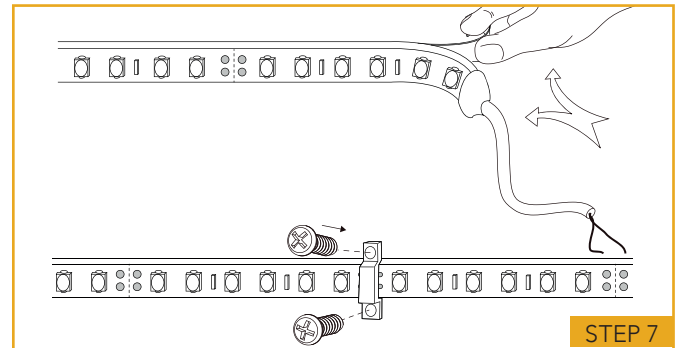
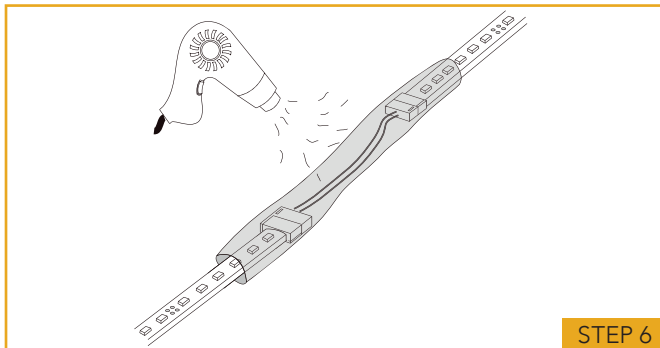
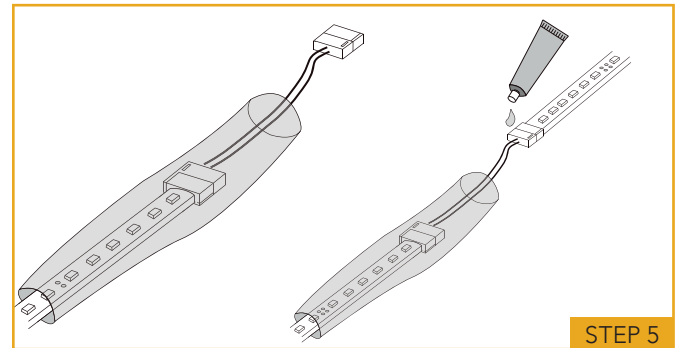
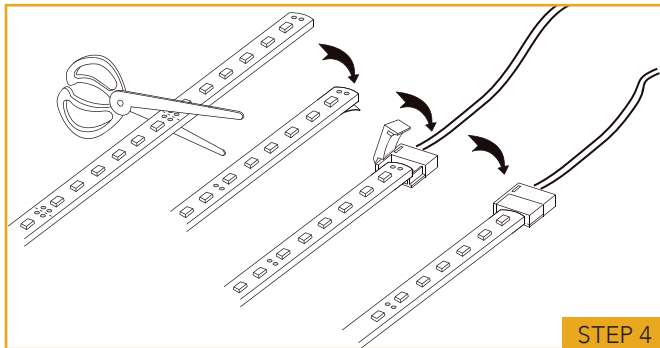
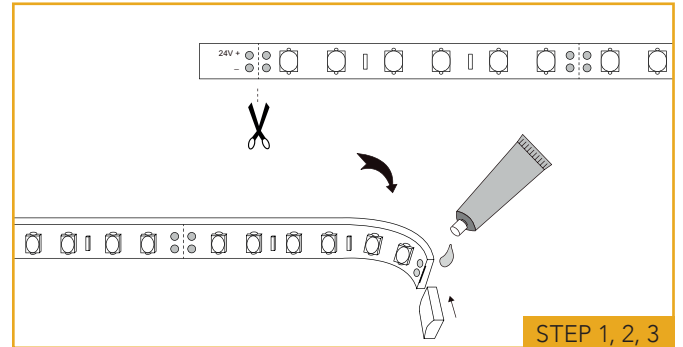
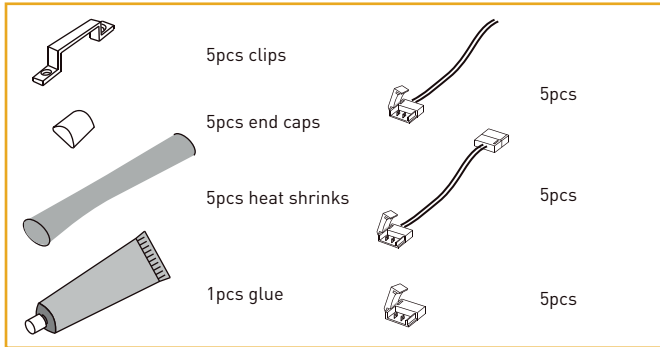
Mounting the Strip:

- a. Self adhesive strip: Remove the protective film to reveal adhesive strip. Place the strip onto the desired location and press down firmly. Ensure the strip is secure.
- b. Clips: Place the strip along the desired position. Mark the locations where the clips are required, keeping them equally spaced. Fix clips to surface using screws. Check that the screws will not impinge on concealed cables or pipes.

## STEP 8:

Connect the LED strip to LED drivers.

\* **Note:** Strip is IP67 rated. When cut or joined the IP rating cannot be guaranteed.





# VEGAS CONTROLLERS & AMPLIFIERS

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# VEGAS LED FLEXI-STRIP WALL TOUCH PANEL CONTROLLERS & RECEIVERS

## VEGAS WALL PANEL CONTROLLER, SINGLE COLOUR



- Complete with wall mounted touch panel
- Max. distance between wall panel and controller of up to 20m
- Use with VEGAS range of drivers
- Current: 3 channels x 10A
- Connection mode: common anode



	RVACT1-WP	
	Controller	Wall Panel
<b>Total Power (W):</b>	3*10A	2W
<b>Voltage:</b>	12 - 24VDC	110-240VDC
<b>IP:</b>	20	20
<b>Length (mm):</b>	91	86
<b>Width (mm):</b>	88	86
<b>Height (mm):</b>	24	34
<b>Weight (kg):</b>	0.34	0.3

## VEGAS WALL PANEL CONTROLLER, RGB



- Complete with wall mounted touch panel
- Max. distance between wall panel and controller of up to 20m
- Use with VEGAS range of drivers
- Current: 3 channels x 8A
- Connection mode: common anode



	RVARGB-WP	
	Controller	Wall Panel
<b>Total Power (W):</b>	3*8A	2W
<b>Voltage:</b>	12 - 24VDC	110-240VDC
<b>IP:</b>	20	20
<b>Length (mm):</b>	91	86
<b>Width (mm):</b>	88	86
<b>Height (mm):</b>	24	34
<b>Weight (kg):</b>	0.34	0.3

## VEGAS WALL PANEL CONTROLLER, RGBW



- Complete with wall mounted touch panel
- Max. distance between wall panel and controller of up to 20m
- Use with VEGAS range of drivers
- Current: 4 channels x 6A
- Connection mode: common anode



	RVARGBW-WP	
	Controller	Wall Panel
<b>Total Power (W):</b>	4*6A	2W
<b>Voltage:</b>	12 - 24VDC	90-265VAC
<b>IP:</b>	20	20
<b>Length (mm):</b>	91	86
<b>Width (mm):</b>	88	86
<b>Height (mm):</b>	24	34
<b>Weight (kg):</b>	0.34	0.3



# VEGAS LED FLEXI-STRIP CONTROLLERS & AMPLIFIERS

## VEGAS AMPLIFIER, SINGLE COLOUR



- Signal amplifier for synchronous operation over long distance
- Only required when single colour flexi-strip is dimmed for systems over 10m
- IP rated enclosure available (RVBIP2)
- Current: 6A x 2 channel
- Connection mode: Common Anode



RVACCT1-AMP	
<b>Total Power (W):</b>	144/288
<b>Voltage:</b>	12-24VDC
<b>IP:</b>	20
<b>Length (mm):</b>	80
<b>Width (mm):</b>	73
<b>Height (mm):</b>	34
<b>Weight (kg):</b>	0.13

## VEGAS CONTROLLER, SINGLE COLOUR



- Single colour dimming controller
- C/w hand held remote
- Hand held remote can operate from a distance of 8m
- Use with VEGAS LED drivers
- IP rated enclosure available (RVBIP2)
- Current: 6A x 3 channel
- Connection mode: Common Anode



RVACCT1-CRTL	
<b>Total Power (W):</b>	216/432
<b>Voltage:</b>	12-24VDC
<b>IP:</b>	20
<b>Length (mm):</b>	82
<b>Width (mm):</b>	83
<b>Height (mm):</b>	33
<b>Weight (kg):</b>	0.3

## VEGAS AMPLIFIER, RGB & RGBW



- Signal amplifier for synchronous operation over long distance
- Required for lengths longer than 5m RGB
- IP rated enclosure available (RVBIP2)
- RGB Current: 6A x 3 Channel output power 216/432W; RGBW Current: 8A x 4 Channel, output power 384/768W
- Connection mode: Common Anode



	RVARGB-AMP	RVARGBW-AMP
<b>Total Power (W):</b>	216/432	384/768
<b>Voltage:</b>	12-24VDC	12-24VDC
<b>IP:</b>	20	20
<b>Length (mm):</b>	80	91
<b>Width (mm):</b>	73	84
<b>Height (mm):</b>	34	24
<b>Weight (kg):</b>	0.1	0.22

**Note:** Single Colour /RGB/RGBW controllers, remote controls and wall places can be paired so they won't effect other systems in the same area

# VEGAS LED FLEXI-STRIP CONTROLLERS & AMPLIFIERS

## VEGAS CONTROLLER, RGB



- Colour changing and dimming RGB controller
- C/w hand held remote
- Hand held remote can operate from a distance of 8m
- Use with VEGAS LED drivers
- IP rated enclosure available (RVBIP2)
- Current: 6A x 3 channel
- Connection mode: Common Anode



### RVARGB-CRTL

<b>Total Power (W):</b>	216/432
<b>Voltage:</b>	12-24VDC
<b>IP:</b>	20
<b>Length (mm):</b>	82
<b>Width (mm):</b>	83
<b>Height (mm):</b>	33
<b>Weight (kg):</b>	0.3

## VEGAS CONTROLLER, RGBW



- Colour changing and dimming RGBW controller
- C/w hand held remote
- Hand held remote can operate from a distance of 8m
- Use with VEGAS LED drivers
- IP rated enclosure available (RVBIP2)
- Current: 8A x 4 channel
- Connection mode: Common Anode



### RVARGBW-CRTL

<b>Output Power (W):</b>	288/576
<b>Voltage:</b>	12-24VDC
<b>IP:</b>	20
<b>Length (mm):</b>	91
<b>Width (mm):</b>	88
<b>Height (mm):</b>	24
<b>Weight (kg):</b>	0.32

## VEGAS IP RATED BOXES



Large Box	RVBIP2
<b>IP:</b>	20
<b>Length (mm):</b>	94
<b>Width (mm):</b>	92
<b>Height (mm):</b>	24
<b>Weight (kg):</b>	0.1

Small Box	RVBIP1
<b>IP:</b>	20
<b>Length (mm):</b>	94
<b>Width (mm):</b>	65
<b>Height (mm):</b>	55
<b>Weight (kg):</b>	0.1

**Note:** Single Colour /RGB/RGBW controllers, remote controls and wall places can be paired so they won't effect other systems in the same area

# VEGAS LED FLEXI-STRIP WIFI CONTROLLER



## VEGAS LED FLEXI-STRIP WIFI CONTROLLER, SINGLE COLOUR



- Single Colour dimming controller
- Controlled by the ROBUS App via WiFi
- Use with VEGAS range of drivers
- IP rated enclosure available: RVBIP2
- Voltage: 12-24VDC
- Current: 10A x 1 Channel
- Connection mode: common anode



RVACCT1-WIFI	
Total Power (W):	240
IP:	20
Length (mm):	85
Width (mm):	45
Depth (mm):	23
Weight (kg):	0.15

## VEGAS LED FLEXI-STRIP WIFI CONTROLLER, RGB



- Colour changing and dimming RGB controller
- Controlled by the ROBUS App via WiFi
- Use with VEGAS range of drivers
- IP rated enclosure available: RVBIP2
- Voltage: 12-24VDC
- Current: 5A x 3 Channel – Max: 10A
- Connection mode: common anode



RVARGB-WIFI	
Total Power (W):	240
IP:	20
Length (mm):	85
Width (mm):	45
Depth (mm):	23
Weight (kg):	0.15

## VEGAS LED FLEXI-STRIP WIFI CONTROLLER, RGBW



- Colour changing and dimming RGBW controller
- Controlled by the ROBUS App via WiFi
- Use with VEGAS range of drivers
- IP rated enclosure available: RVBIP2
- Voltage: 12-24VDC
- Current: 5A x 4 Channel – Max: 10A
- Connection mode: common anode



RVARGBW-WIFI	
Total Power (W):	240
IP:	20
Length (mm):	85
Width (mm):	45
Depth (mm):	23
Weight (kg):	0.15



**Snappy**  
**SPE200-12VLP**  
**LED POWER SUPPLY**  
Prim.: 200-240VAC, 50/60Hz  $\lambda = 0,95$   
200-277VAC, 50/60Hz (for North America)  
Sec.: +12VDC Max. 16.7A, Max. 200W  
tc: 80°C ta: 60°C IP67

SELV  
CE  
MADE IN P.R.C.  
SEC + (-Black)  
SEC + (-White)



**Snappy**  
**SNP200-12VL**  
**LED POWER SUPPLY**  
Prim.: 200-240VAC, 50/60Hz  $\lambda = 0,95$   
Sec.: 12VDC, Max. 15A, Max. 180W  
tc: 80°C ta: 45°C

SELV  
CE  
SEC  
12VDC  
+  
-  
+  
-  
+  
-

# VEGAS LED DRIVERS

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# VEGAS IP20 DRIVERS



## 12V NON-DIMMABLE & DIMMABLE DRIVERS

- IP20 for indoor applications only
- Constant voltage driver for use with 12V VEGAS strip range only
- Dimmable with traditional wall mounted dimmer switch
- Dimmable drivers compatible with selected leading and trailing edge dimmers.- see page 57
- Minimum strip length to ensure proper dimming as per table below



12V NON-DIMMABLE DRIVERS					
	15W	30W	60W	100W	180W
	<b>RVA1512-PSU</b>	<b>RVA3012-PSU</b>	<b>RVA6012-PSU</b>	<b>RVA10012-PSU</b>	<b>RVA18012-PSU</b>
<b>Total Power (W:)</b>	15	30	60	100	180
<b>Voltage:</b>	12VDC	12VDC	12VDC	12VDC	12VDC
<b>IP:</b>	20	20	20	20	20
<b>Length (mm):</b>	103	149	170	180	195
<b>Width (mm):</b>	35.5	40	44	65	67
<b>Height (mm):</b>	16	27	28	31	31
<b>Weight (kg):</b>	0.04	0.12	0.22	0.37	0.41



12V DIMMABLE DRIVERS (DIMMABLE WITH TRADITIONAL WALL MOUNTED DIMMER SWITCH)			
	30W	50W	75W
	<b>RVA3012DU-PSU</b>	<b>RVA5012DU-PSU</b>	<b>RVA7512DU-PSU</b>
<b>Total Power (W:)</b>	30	50	75
<b>Voltage:</b>	12VDC	12VDC	12VDC
<b>IP:</b>	20	20	20
<b>Length (mm):</b>	158	158	170
<b>Width (mm):</b>	46	46	56
<b>Height (mm):</b>	18	18	31
<b>Weight (kg):</b>	0.12	0.21	0.3

### MINIMUM 12V STRIP LENGTH TO ENSURE PROPER DIMMING

<b>RVA3012DU-PSU</b>	1m
<b>RVA5012DU-PSU</b>	3m
<b>RVA7512DU-PSU</b>	5m

# VEGAS IP20 DRIVERS

## 24V NON-DIMMABLE & DIMMABLE DRIVERS

- IP20 for indoor applications only
- Constant voltage driver for use with 24V VEGAS strip range only
- Dimmable with traditional wall mounted dimmer switch
- Dimmable drivers compatible with selected leading and trailing edge dimmers.- see page 57
- Minimum strip length to ensure proper dimming as per table below



24V NON-DIMMABLE DRIVERS							
	15W	30W	60W	100W	150W	250W	320W
	RVA1524-PSU	RVA3024-PSU	RVA6024-PSU	RVA10024-PSU	RVA15024-PSU	RVA25024-PSU	RVA32024-PSU
<b>Total Power (W):</b>	15	30	60	100	150	250	320
<b>Voltage:</b>	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
<b>IP:</b>	20	20	20	20	20	20	20
<b>Length (mm):</b>	103	149	170	180	180	195	215
<b>Width (mm):</b>	35	40	45	65	66	62	78
<b>Height (mm):</b>	16	27	28	31	31	36	35
<b>Weight (kg):</b>	0.04	0.12	0.22	0.37	0.41	0.42	0.44

24V DIMMABLE DRIVERS (DIMMABLE WITH TRADITIONAL WALL MOUNTED DIMMER SWITCH)			
	30W	50W	75W
	RVA3024DU-PSU	RVA5024DU-PSU	RVA7524DU-PSU
<b>Total Power (W):</b>	30	50	75
<b>Voltage:</b>	24VDC	24VDC	24VDC
<b>IP:</b>	20	20	20
<b>Length (mm):</b>	158	158	170
<b>Width (mm):</b>	46	46	56
<b>Height (mm):</b>	18	18	31
<b>Weight (kg):</b>	0.12	0.21	0.3



MINIMUM 24V STRIP LENGTH TO ENSURE PROPER DIMMING	
RVA3024DU-PSU	1m
RVA5024DU-PSU	3m
RVA7524DU-PSU	3m

# VEGAS IP67 DRIVERS

## 12V & 24V NON-DIMMABLE DRIVERS



- IP67 for indoor and outdoor applications
- Constant voltage driver for use with 12V & 24V VEGAS strip range only
- Non dimmable



12V NON-DIMMABLE DRIVERS			
	60W	100W	200W
	RVA6012IP67-PSU	RVA10012IP67-PSU	RVA20012IP67-PSU
<b>Total Power (W:)</b>	60	100	200
<b>Voltage:</b>	12VDC	12VDC	12VDC
<b>IP:</b>	67	67	67
<b>Length (mm):</b>	216	212	212
<b>Width (mm):</b>	42	46	46
<b>Height (mm):</b>	30	38	38
<b>Weight (kg):</b>	0.53	0.58	0.80



24V NON-DIMMABLE DRIVERS			
	60W	100W	200W
	RVA6024IP67-PSU	RVA10024IP67-PSU	RVA20024IP67-PSU
<b>Total Power (W:)</b>	60	100	200
<b>Voltage:</b>	24VDC	24VDC	24VDC
<b>IP:</b>	67	67	67
<b>Length (mm):</b>	216	212	212
<b>Width (mm):</b>	42	46	46
<b>Height (mm):</b>	30	38	38
<b>Weight (kg):</b>	0.53	0.58	0.80



# VEGAS DRIVERS

## COMPATABILITY LISTS

### SINGLE COLOUR LED FLEXI-STRIP

#### DIMMABLE 12V, IP20 FOR SINGLE COLOUR 4.8W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3012DU-PSU	VEGAS 30W, 12V, IP20 driver, triac dimmable	1m – 6m
RVA5012DU-PSU	VEGAS 50W, 12V, IP20 driver, triac dimmable	7m – 10m
RVA7512DU-PSU	VEGAS 75W, 12V, IP20 driver, triac dimmable	11m – 15m

#### DIMMABLE 24V, IP20 FOR SINGLE COLOUR 9.6W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3024DU-PSU	VEGAS 30W, 24V, IP20 driver, triac dimmable	1m – 3m
RVA5024DU-PSU	VEGAS 50W, 24V, IP20 driver, triac dimmable	4m – 5m
RVA7524DU-PSU	VEGAS 75W, 24V, IP20 driver, triac dimmable	6m – 7m

#### NON-DIMMABLE 12V, IP20 FOR SINGLE COLOUR 4.8W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA1512-PSU	VEGAS 15W, 12V, IP20 constant voltage driver, non-dimmable	1m – 3m
RVA3012-PSU	VEGAS 30W, 12V, IP20 constant voltage driver, non-dimmable	4m – 6m
RVA6012-PSU	VEGAS 60W, 12V, IP20 constant voltage driver, non-dimmable	7m – 12m
RVA10012-PSU	VEGAS 100W, 12V, IP20 constant voltage driver, non-dimmable	13m – 20m
RVA18012-PSU	VEGAS 180W, 12V, IP20 constant voltage driver, non-dimmable	21m – 37m

#### NON-DIMMABLE 24V, IP20 FOR SINGLE COLOUR 9.6W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA1524-PSU	VEGAS 15W, 24V, IP20 constant voltage driver, non-dimmable	1m
RVA3024-PSU	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m – 3m
RVA6024-PSU	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	4m – 6m
RVA10024-PSU	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	7m – 10m
RVA15024-PSU	VEGAS 180W, 24V, IP20 constant voltage driver, non-dimmable	11m – 15m
RVA25024-PSU	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	16m – 26m
RVA32024-PSU	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	27m – 33m

#### NON-DIMMABLE 12V, IP67 FOR SINGLE COLOUR 4.8 W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA6012IP67-PSU	VEGAS 60W, 12V, IP67 constant voltage driver, non-dimmable	1m – 12m
RVA10012IP67-PSU	VEGAS 100W, 12V, IP67 constant voltage driver, non-dimmable	13m – 20m
RVA20012IP67-PSU	VEGAS 200W, 12V, IP67 constant voltage driver, non-dimmable	21m – 41m

#### NON-DIMMABLE 24V, IP67 FOR SINGLE COLOUR 9.6 W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA6024IP67-PSU	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	1m – 6m
RVA10024IP67-PSU	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	7m – 10m
RVA20024IP67-PSU	VEGAS 200W, 24V, IP75 constant, voltage driver, non-dimmable	11m – 20m

**Note:** IP20 drivers can be used together with IP rated boxes if exposed to water.

# VEGAS DRIVER COMPATABILITY LISTS RGB / RGBW COLOUR CHANGING FLEXI-STRIP

## NON-DIMMABLE 12V, IP20 FOR RGB 7.2W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA1512-PSU	VEGAS 15W, 12V, IP20 constant voltage driver, non-dimmable	1m – 2m
RVA3012-PSU	VEGAS 30W, 12V, IP20 constant voltage driver, non-dimmable	3m – 4m
RVA6012-PSU	VEGAS 60W, 12V, IP20 constant voltage driver, non-dimmable	5m – 8m
RVA10012-PSU	VEGAS 100W, 12V, IP20 constant voltage driver, non-dimmable	9m – 13m
RVA18012-PSU	VEGAS 180W, 12V, IP20 constant voltage driver, non-dimmable	14m – 25m

## NON-DIMMABLE 24V, IP20 FOR RGB 14.4W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA1524-PSU	VEGAS 15W, 24V, IP20 constant voltage driver, non-dimmable	1m
RVA3024-PSU	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m
RVA6024-PSU	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	3m – 4m
RVA10024-PSU	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	5m – 6m
RVA15024-PSU	VEGAS 150W, 24V, IP20 constant voltage driver, non-dimmable	7m – 10m
RVA25024-PSU	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	11m – 17m
RVA32024-PSU	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	18m – 22m

## NON-DIMMABLE 12V, IP67 FOR RGB 7.2W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA6012IP67-PSU	VEGAS 60W, 12V, IP67 constant voltage driver, non-dimmable	1m – 8m
RVA10012IP67-PSU	VEGAS 100W, 12V, IP67 constant voltage driver, non-dimmable	9m – 13m
RVA20012IP67-PSU	VEGAS 200W, 12V, IP67 constant voltage driver, non-dimmable	14m – 276m

## NON-DIMMABLE 24V, IP67 FOR RGB 14.4W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA6024IP67-PSU	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	4m
RVA10024IP67-PSU	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	5m – 6m
RVA20024IP67-PSU	VEGAS 200W, 24V, IP67 constant voltage driver, non-dimmable	7m – 13m

## NON-DIMMABLE 24V, IP20 FOR RGBW 12W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA1524-PSU	VEGAS 15W, 24V, IP20 constant voltage driver, non-dimmable	1m
RVA3024-PSU	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m
RVA6024-PSU	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	3m – 5m
RVA10024-PSU	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	6m – 8m
RVA15024-PSU	VEGAS 150W, 24V, IP20 constant voltage driver, non-dimmable	9m – 12m
RVA25024-PSU	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	13m – 20m
RVA32024-PSU	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	21m – 26m

# VEGAS DRIVER COMPATABILITY LISTS RGB / RGBW COLOUR CHANGING FLEXI-STRIP

## NON-DIMMABLE 24V, IP67 FOR RGBW 12W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
<b>RVA6024IP67-PSU</b>	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	1m - 5m
<b>RVA10024IP67-PSU</b>	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	6m - 8m
<b>RVA20024IP67-PSU</b>	VEGAS 200W, 24V, IP67 constant voltage driver, non-dimmable	7m - 16m
<b>RVA32024-PSU</b>	VEGAS 320W, 24V, IP67 constant voltage driver, non-dimmable	21m - 26m

# VEGAS DIMMER COMPATABILITY LISTS

12V IP20 DIMMER COMPATIBILITY LIST	30W 12V IP20 DRIVER RVA3012DU-PSU		50W 12V IP20 DRIVER RVA5012DU-PSU		75W 12V IP20 DRIVER RVA7512DU-PSU	
DIMMER	RANGE	RESULT	RANGE	RESULT	RANGE	RESULT
<b>ROBUS RLA200DT</b> 5W Min 133W Max	5% - 100%	Compatible	10% - 100%	Compatible	10% - 100%	Compatible
<b>ROBUS RLA200DTG</b> 3W Min 133W Max	5% - 100%	Compatible	10% - 100%	Compatible	15% - 100%	Compatible
<b>ROBUS RUNI</b> 11W Min 50W Max	N/A	N/A	N/A	N/A	15% - 100%	Compatible
<b>Varilight V-PRO</b> 10W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
<b>DETA ATE-VR250</b> 5W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	5% - 100%	Compatible
<b>LightWave RF JSJSLW400WH</b> 10W Min 120W Max	10% - 100%	Compatible	10% - 100%	Compatible	20% - 100%	Compatible
<b>Rako RMT500</b> 1W Min 500W Max	5% - 100%	Compatible	5% - 100%	Compatible	10% - 100%	Compatible
<b>ZANO ZGRIDLED</b> 5W Min 250W Max	N/A	N/A	10%-100%	Compatible	20% - 100%	Compatible
<b>Lutron Rania</b> 50W Min 450W Max	N/A	N/A	10%-100%	Compatible	N/A	N/A

24V IP20 DIMMER COMPATIBILITY LIST	30W 24V IP20 DRIVER RVA3024DU-PSU		50W 24V IP20 DRIVER RVA5024DU-PSU		75W 24V IP20 DRIVER RVA75242DU-PSU	
DIMMER	RANGE	RESULT	RANGE	RESULT	RANGE	RESULT
<b>ROBUS RLA200DT</b> 5W Min 133W Max	5% - 100%	Compatible	5% - 100%	Compatible	10% - 100%	Compatible
<b>ROBUS RLA200DTG</b> 3W Min 133W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
<b>ROBUS RUNI</b> 11W Min 50W Max	N/A	N/A	N/A	N/A	15% - 100%	Compatible
<b>Varilight V-PRO</b> 10W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	10% - 100%	Compatible
<b>DETA ATE-VR250</b> 5W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
<b>LightWave RF JSJSLW400WH</b> 10W Min 120W Max	10% - 100%	Compatible	10% - 100%	Compatible	N/A	N/A
<b>Rako RMT500</b> 1W Min 500W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
<b>ZANO ZGRIDLED</b> 5W Min 250W Max	N/A	N/A	15%-100%	Compatible	N/A	N/A
<b>Lutron Rania</b> 50W Min 450W Max	N/A	N/A	5%-100%	Compatible	10% - 100%	Compatible
<b>WILTS WPDIMWH401</b> 400W Max	N/A	N/A	N/A	N/A	15% - 100%	Compatible



# VEGAS ALUMINIUM EXTRUSIONS

VEGAS ALUMINIUM EXTRUSIONS

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# VEGAS ALUMINIUM EXTRUSIONS

## EXTRUSION, SURFACE MOUNTED, 8MM



- Surface mounted
- Low profile recessed extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps and mounting clips
- For single-colour and RGB VEGAS flexi-strip



### REXS082-23

<b>Length (m):</b>	2
<b>Width (mm):</b>	17.5
<b>Height (mm):</b>	8
<b>Weight (kg):</b>	0.12

## EXTRUSION, SURFACE MOUNTED, 12.5MM



- Surface mounted extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps
- Wide base to fit VEGAS RGBW flexi-strip



### REXS122-23

<b>Length (m):</b>	2
<b>Width (mm):</b>	18.6
<b>Height (mm):</b>	12.5
<b>Weight (kg):</b>	0.12

## EXTRUSION, RECESSED, 15MM



- Recessed extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end cap
- For single-colour and RGB VEGAS flexi-strip



### REXS152-23

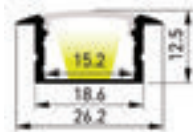
<b>Length (m):</b>	2
<b>Width (mm):</b>	25
<b>Height (mm):</b>	15
<b>Weight (kg):</b>	0.23

# VEGAS ALUMINIUM EXTRUSIONS

## EXTRUSION, RECESSED /SUSPENDED, 12.5MM



- Recessed extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps
- Wide base to fit VEGAS RGBW flexi-strip



### REXR122-23

Length (m):	2
Width (mm):	18.6
Height (mm):	12.5
Weight (kg):	0.12

## EXTRUSION, RECESSED / SUSPENDED, 52MM



- Recessed extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps
- C/w suspension kit



### REXR522-23

Length (m):	2
Width (mm):	18.6
Height (mm):	12.5
Weight (kg):	0.12

## EXTRUSION, CIRCULAR, 24MM

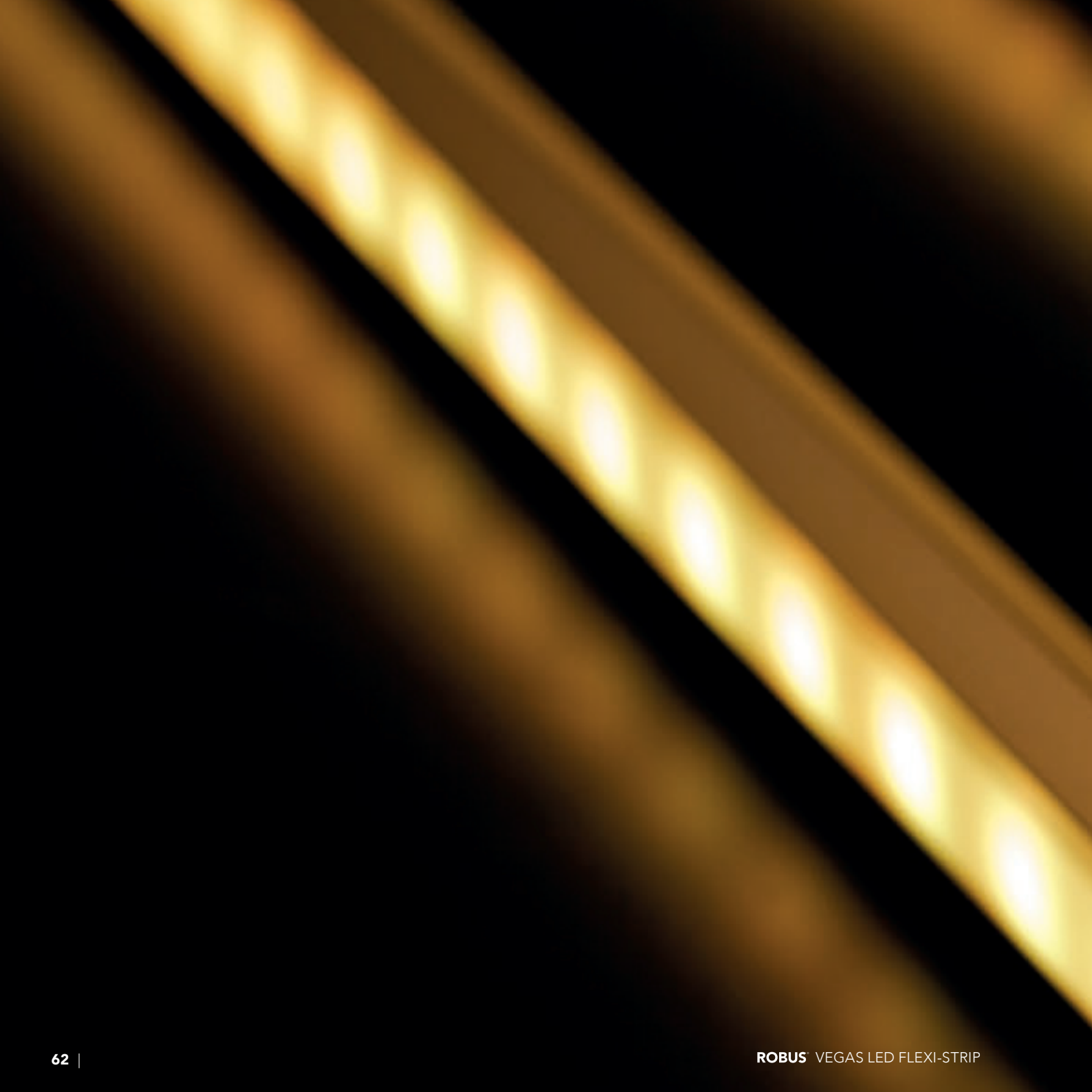


- Circular extrusion with push on PC diffuser. Suitable for suspension or surface mounting
- Anodised aluminium
- Supplied in 2m lengths complete with end caps, suspension wires and mounting clips



### REXC242-23

Length (m):	2
Diameter (mm):	24
Weight (kg):	0.38









# MAKE IT FIT YOUR OWN CUTTING SERVICE

ROBUS experts are happy to work with you to identify the specific requirements that you may have and help you choose a product solution that serves those requirements.

ROBUS technicians will cut, solder and heat-shrink VEGAS LED strip to your specification. Our bespoke services are carried out in LED Group Head Office in Dublin, by Customised Conversion and are available to order to simplify the work of installer.

## **TRUST ROBUS:**

- Trust we are able to customize strips for your bespoke project.
- Trust we will make it as easy as possible, by providing LED strips pre-cut to your specification and ready for installation on delivery.

## **Customise in Almost No Time**

We aim to dispatch 72 hours from receipt of your order. Please contact your local sales representative or our Customised Conversions Team by calling +353 01 709 9000 and selecting option 2 or by email at [conversionrequests@robus.com](mailto:conversionrequests@robus.com)

# OVERVIEW OF CUT-TO-LENGTH SERVICE



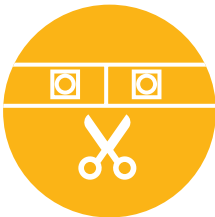
## STEP 1

To choose the best LED Strip for the project.



## STEP 2

To calculate LED strip, drivers, controllers, accessories required for the project.



## STEP 3

To cut and connect to required lengths, solder, heat shrink and finish LED strip to project specification.



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