ROBUS®

ROBUS VEGAS LED FLEXI-STRIP
LED strip-lighting made to measure

+ DC12v

+ DC12v +

CONTENTS

GETTING STARTED

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 or wall switch?
- 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 CHOOOSING 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.

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.
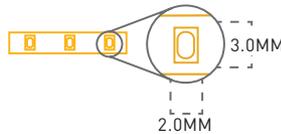

2.8MM

3.5MM

3528 SMD LED CHIP

5.0MM

5.0MM

5050 SMD LED CHIP

3.0MM

1.4MM
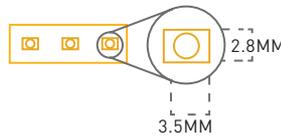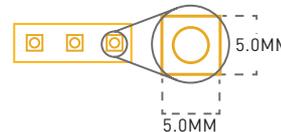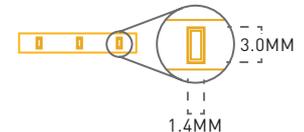
3014 SMD LED CHIP

3.0MM

2.0MM

3020 SMD LED CHIP

3.5MM

2.8MM
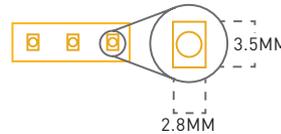
2835 SMD LED CHIP

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 CHOOOSING 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.
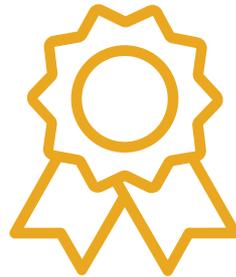
SAFETY CERTIFICATIONS

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:

$$P = V \text{ x } A, \text{ where P is the wattage, V is voltage and A is amperage:}$$
$$24 = 12 \text{ x } A$$
$$A = 2.0 \text{ Amps}$$

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?

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.

TRUST ROBUS
TO GIVE YOU THE BEST QUALITY PRODUCT

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, 12W/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
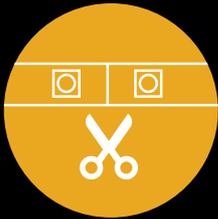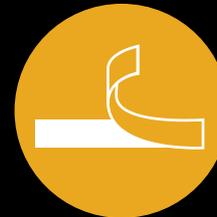
CUT TO LENGTH

FLEXIBLE
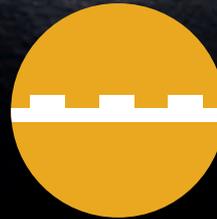
LOW PROFILE

COLOUR OPTIONS

ADDED PROTECTION

DIMMABLE

3M TAPE / PEEL & STICK

ROBUS VEGAS LED FLEXI-STRIP

VEGAS IP20 LED FLEXI-STRIP

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

REEL LENGTH: 50M

1.5mm

8mm   5cm   5cm

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
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, 24V, IP20 constant voltage driver, non dimmable	13m – 20m
RVA18012-PSU	VEGAS 180W, 12V, IP20 constant voltage driver, non dimmable	21m – 37m

IP20 DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M 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

LED FLEXI-STRIP CLIP CONNECTORS
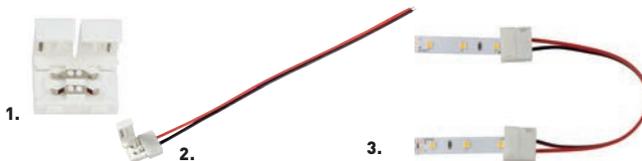
RVA48-CONNP
EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:
1. STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE

RVA48L-CONN
(3 PCS)

RVA48T-CONN
(3 PCS)

RVA48X-CONN
(3 PCS)

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

7.2W, 12V, LOW DENSITY, RGB, 30LED/M, SMD5050
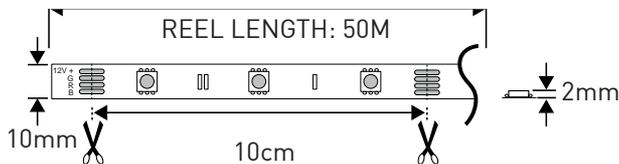
- VEGAS RGB (Red, Green, Blue) colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 7.2W per meter
- Cutting points every 3 LEDs / 10cm
- Requires 12V LED driver (sold separately)
- Voltage drop of 3.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector packs available as accessories

REEL LENGTH: 50M

10mm   10cm   2mm

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
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 150W, 12V, IP20 constant voltage driver, non-dimmable	14m – 25m

LED FLEXI-STRIP CLIP CONNECTORS

1.

3.

2.

RVARGB-CONNP
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)

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

REEL LENGTH: 50M

24V+
−

8mm   5cm   1.5mm

| 3 YRS | | 3000K Warm White | 4000K Cool White | 24V DC | III | IP 20 | 120° | 120 LEDs/M | 5CM | MAX ► 10M ◄ |

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

IP20 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M 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 150W, 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

IP20 DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M 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

FLEXI-STRIP CLIP CONNECTORS

RVA96-CONNP
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

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

REEL LENGTH: 50M

10mm   10cm   2mm

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
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

LED FLEXI-STRIP CLIP CONNECTORS
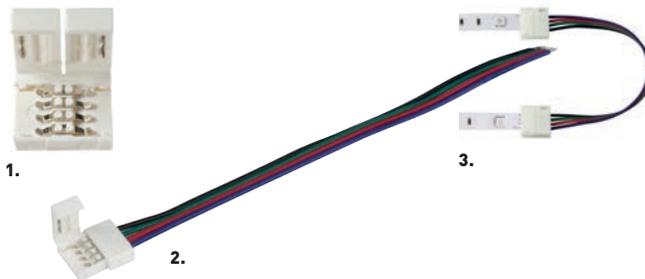
1.

3.

2.

RVARGB-CONNP
EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:
1. STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER
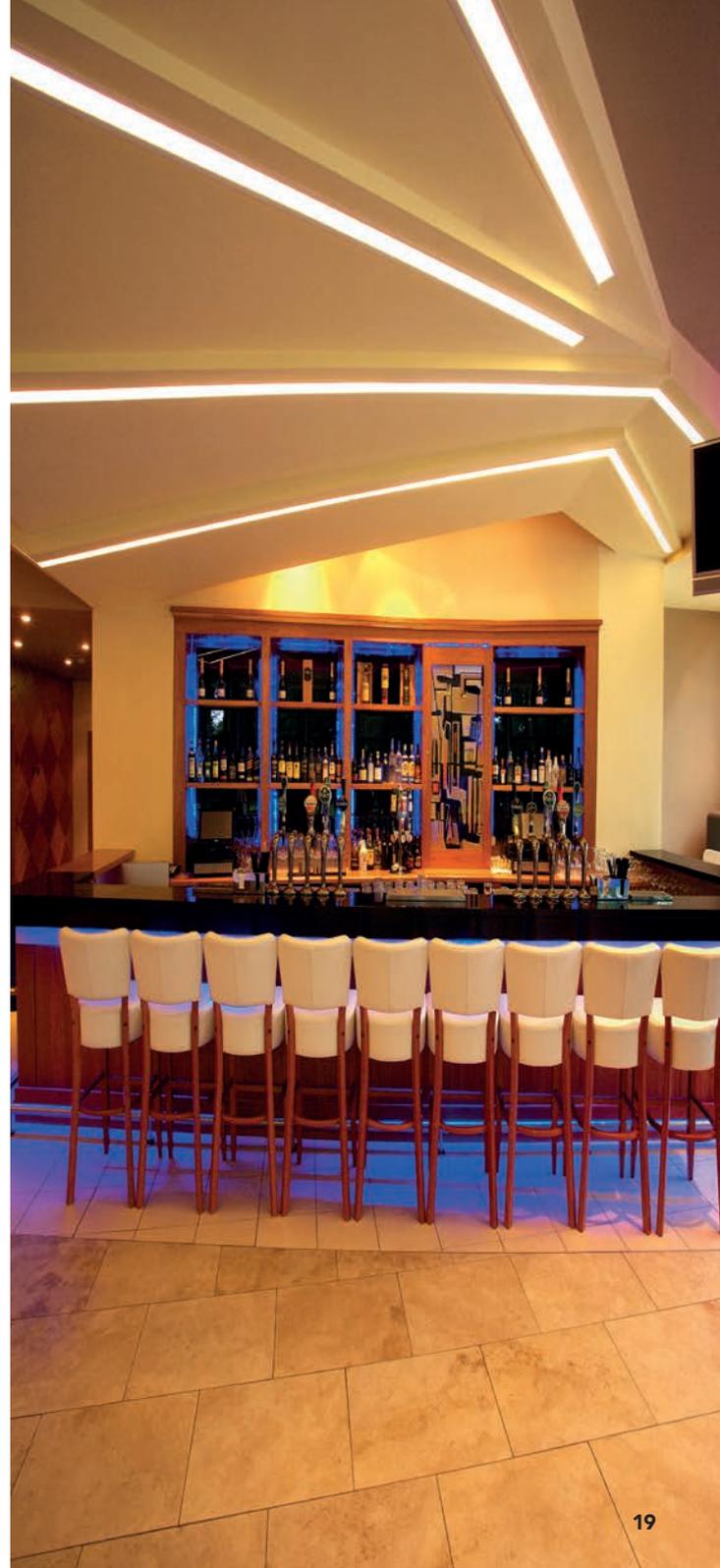CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE

RVARGBL-CONN
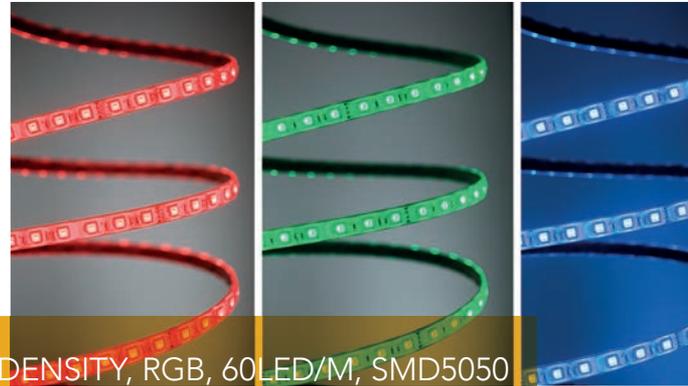(3 PCS)

RVARGBT-CONN
(3 PCS)

RVARGBX-CONN
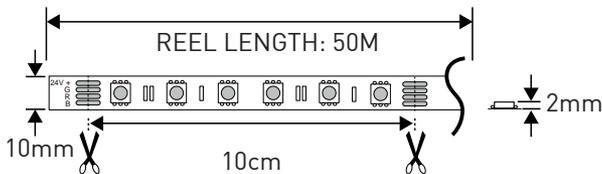(3 PCS)

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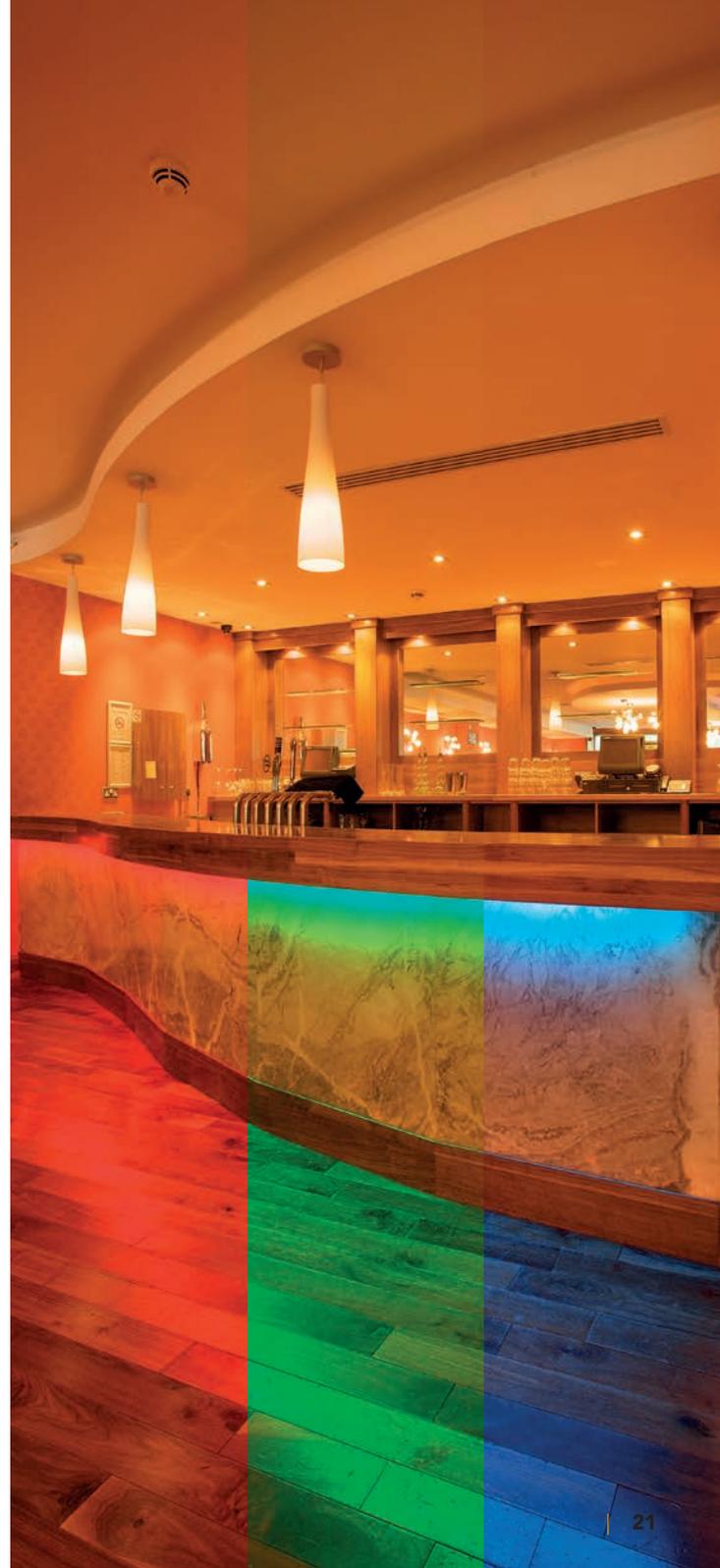
VEGAS LED IP20 24V
NON-WATERPROOF FLEXI-STRIP
RGBW COLOUR CHANGING

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

REEL LENGTH: 30M

2mm

12mm 10cm

| 3 YRS | | RGBW 3000K | RGBW 3000K | 24V DC | III | IP 20 | 120° | 60 LEDs/M | 10CM ► 5M |
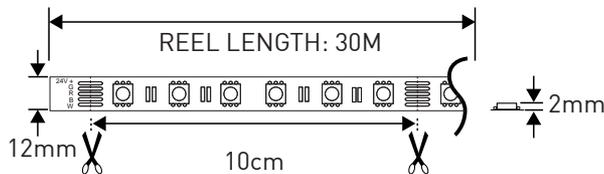
CODE	POWER	VOLTAGE	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA12RGBW2030-30	12W/m	24V	120°	RGB + 3000K	80	20	30m	30,000hrs
RVA12RGBW2030-40	12W/m	24V	120°	RGB + 4000K	80	20	30m	30,000hrs

IP20 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
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

LED FLEXI-STRIP CLIP CONNECTORS
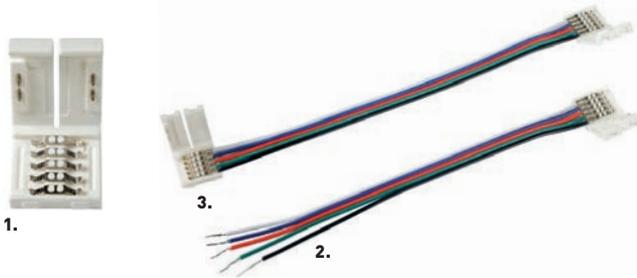
RVARGBW-CONNP
EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH TYPE:
1. STRIP-TO-STRIP CONNECTOR WITHOUT WIRES, **2.** STRIP-TO-DRIVER CONNECTOR WITH 150MM **3.** STRIP-TO-STRIP CONNECTOR WITH 150MM WIRE

RVARGBWL-CONN
(3 PCS)

RVARGBWT-CONN
(3 PCS)

RVARGBWX-CONN
(3 PCS)

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

DRIVER

SINGLE-COLOUR CONTROLLER

12V IP20 SINGLE COLOUR STRIP

DRIVER

SINGLE-COLOUR CONTROLLER

DRIVER

SINGLE-COLOUR AMPLIFIER
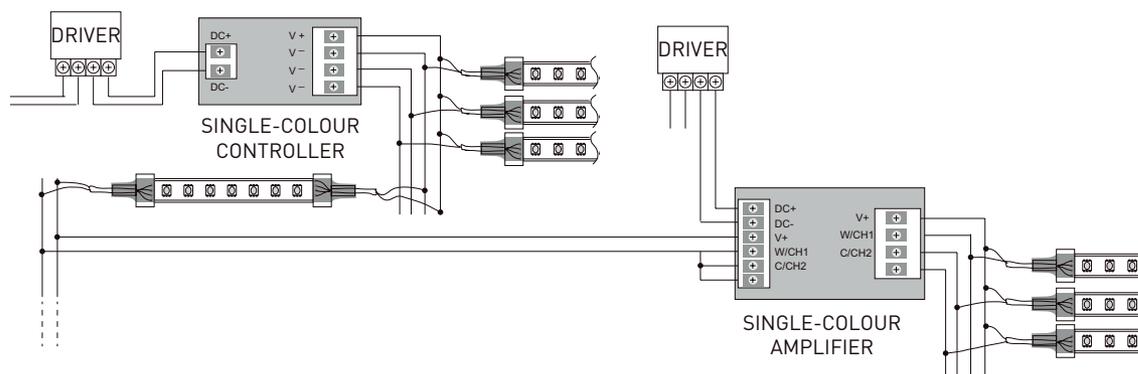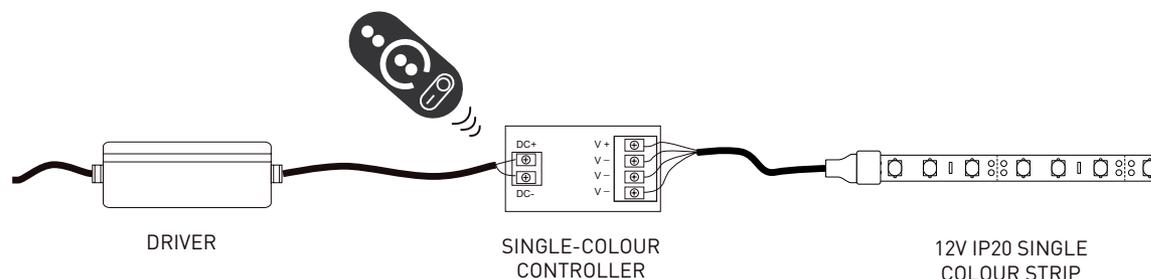
	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED STRIP	RVA48X02050	1	1	1	2	3	4	5
SINGLE COLOUR CONTROLLER	RVACCT1-CRTL	1	1	1	1	1	1	1
SINGLE COLOUR AMPLIFIER	RVACCT1-AMP	0	0	0	1	2	3	4
12V CV NON-DIM LED DRIVER 15W	RVA1512-PSU	1	0	0	0	0	0	0
12V CV NON-DIM LED DRIVER 30W	RVA3012-PSU	0	1	0	0	0	0	0
12V CV NON-DIM LED DRIVER 60W	RVA6012-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 12V / 24 RGB VEGAS LED FLEXI-STRIP

DRIVER   RGB CONTROLLER   12V / 24V IP20 RGB STRIP
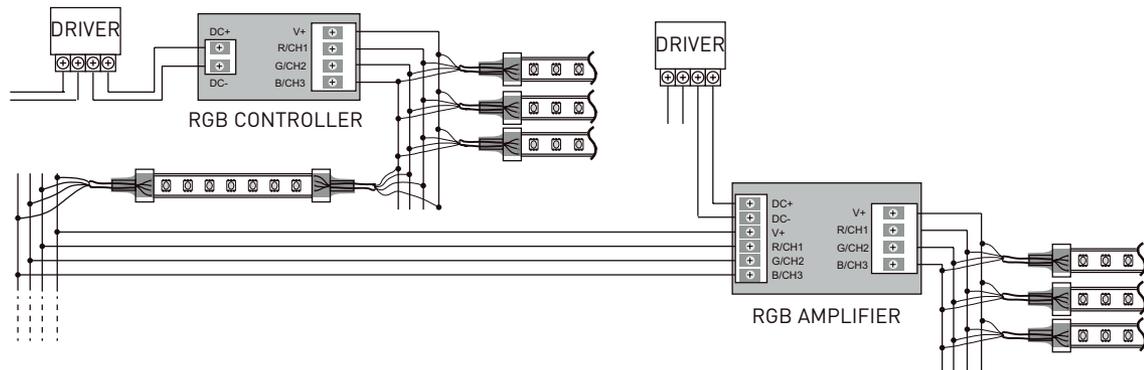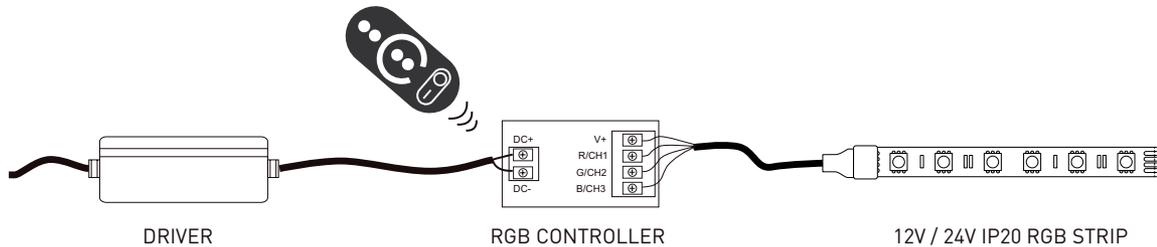
	CODE	2M	5M	10M	11-15M	16-20M	21-25M	26-30M
LED STRIP	RVA72RGB2050	1	1	2	3	4	5	6
RGB CONTROLLER	RVARGB-CRTL	1	1	1	1	1	1	1
RGB AMPLIFIER	RVARGB-AMP	0	0	1	2	3	4	5
12V CV NON-DIM LED DRIVER 30W	RVA3012-PSU	1	0	0	0	0	0	0
12V CV NON-DIM LED DRIVER 60W	RVA6012-PSU	0	1	2	3	4	5	6

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

DRIVER

SINGLE-COLOUR CONTROLLER

24V IP20 SINGLE COLOUR STRIP

DRIVER

SINGLE-COLOUR CONTROLLER

DRIVER

SINGLE-COLOUR AMPLIFIER
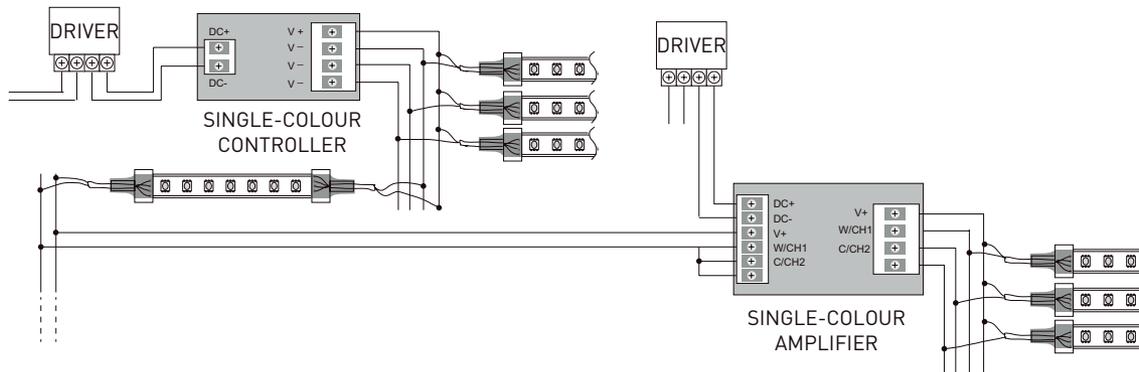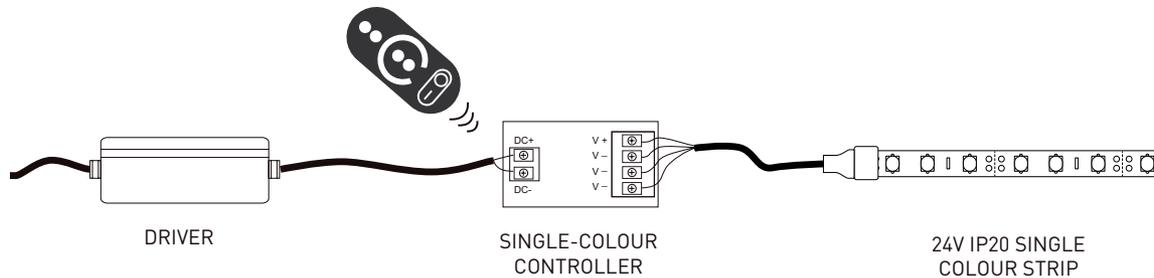
	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED STRIP	RVA96X02050	1	1	1	2	3	4	5
SINGLE COLOUR CONTROLLER	RVACCT1-CRTL	1	1	1	1	1	1	1
SINGLE COLOUR AMPLIFIER	RVACCT1-AMP	0	0	0	1	2	3	4
24V CV NON-DIM LED DRIVER 30W	RVA3024-PSU	1	0	0	0	0	0	0
24V CV NON-DIM LED DRIVER 60W	RVA6024-PSU	0	1	0	0	0	0	0
24V CV NON-DIM 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

DRIVER

RGBW CONTROLLER

24V IP20 RGBW STRIP

DRIVER

RGBW CONTROLLER

DRIVER
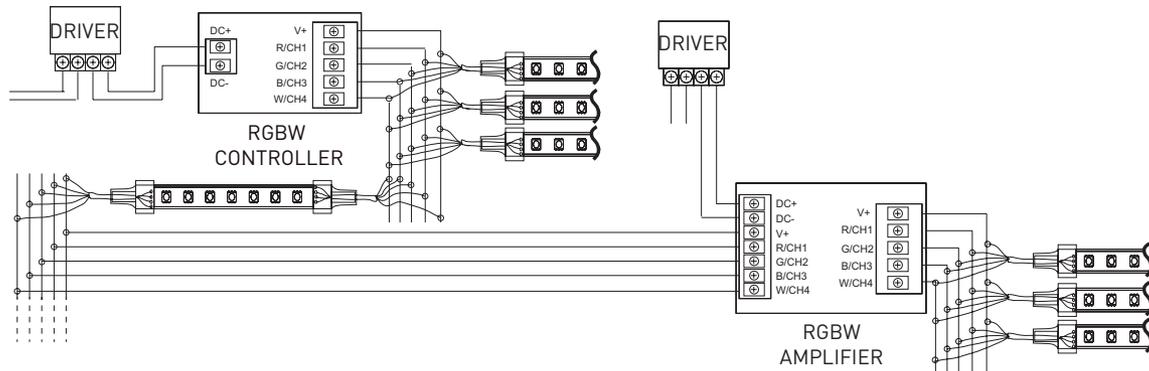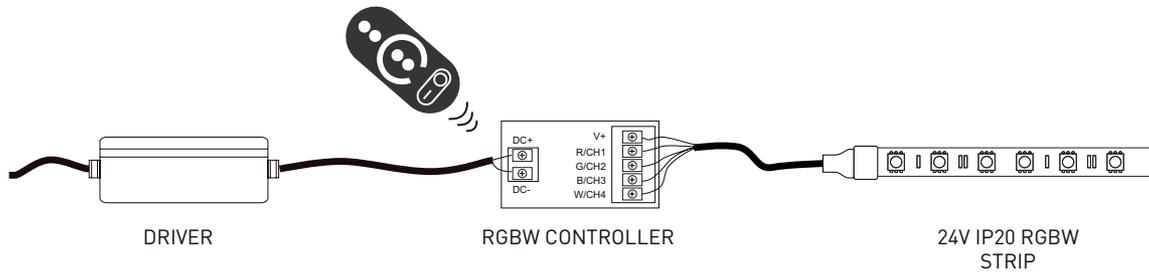
RGBW AMPLIFIER

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

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

REEL LENGTH: 30M

3mm

10mm   5cm   5cm

3 YRS

3000K Warm White   4000K Cool White

12V DC   IP 67   120°   60 LEDs/M   5CM   MAX 10M

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
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

LED FLEXI-STRIP CLIP CONNECTORS
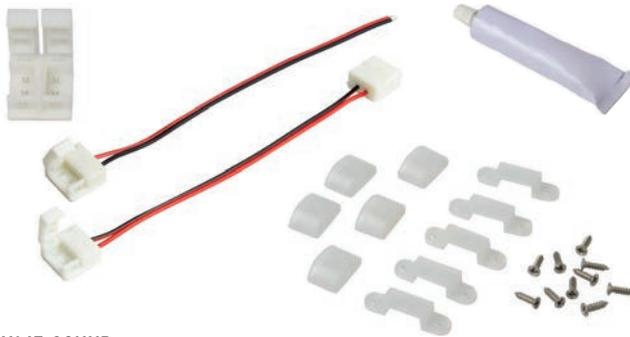
RVA67-CONNP
EASY CLIP CONNECTOR PACK INCLUDES 5PCS OF EACH
CONNECTOR, END CAPS, CLIPS, HEAT SHRINK AND GLUE

RVBIP2
IP RATED BOX, LARGE

RVBIP1
IP RATED BOX, SMALL

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

REEL LENGTH: 30M

12mm   10cm   4mm
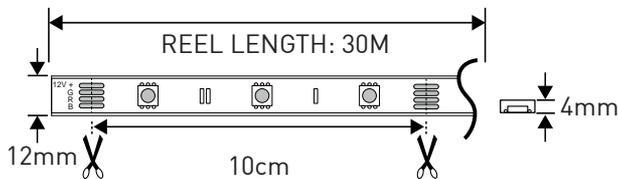
CODE	POWER	VOLTAGE	LUMENS	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA72RGB6730	7.2/m	12V	-	120°	RGB	80	67	30m	30,000hrs

IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M PER DRIVER
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, IP20 constant voltage driver, non-dimmable	14m – 27m

LED FLEXI-STRIP CLIP CONNECTORS

RVA67RGB-CONNP
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

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

REEL LENGTH: 30M

10mm   5cm   5cm   3mm

| 3YRS | | 3000K Warm White | 4000K Cool White | 24V DC | III | IP 67 | 120° | 120 LEDs/M | 5CM | MAX ►10M◄ |

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

IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

CODE	DESCRIPTION	M 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, IP67 constant voltage driver, non-dimmable	11m – 20m

LED FLEXI-STRIP CLIP CONNECTORS

RVA67-CONNP
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

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

REEL LENGTH: 30M

12mm | 10cm | 4mm

3YRS | RGB | 24V DC | III | IP 67 | 120° | 60 LEDs/M | 10CM | MAX ► 5M

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
RVA6024IP67-PSU	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	1m – 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

LED FLEXI-STRIP CLIP CONNECTORS

RVA67RGB-CONNP
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

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

REEL LENGTH: 10M

4mm

14mm   10cm
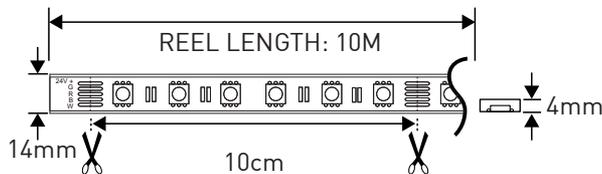
CODE	POWER	VOLTAGE	BEAM ANGLE	COLOUR	CRI	IP	REEL	LIFETIME
RVA12RGBW6710-30	12W/m	24V	120°	RGB + 3000K	80	67	10m	30,000hrs
RVA12RGBW6710-40	12W/m	24V	120°	RGB + 4000K	80	67	10m	30,000hrs

IP67 NON-DIMMABLE DRIVERS COMPATIBILITY LIST

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

LED FLEXI-STRIP CLIP CONNECTORS

RVA67RGBW-CONNP
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

ROBUS˚ VEGAS LED FLEXI-STRIP

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

IP RATED BOX

IP67 DRIVER

DC+
V +
V −
V −
V −
DC-

SINGLE-COLOUR CONTROLLER

24V IP67 SINGLE COLOUR STRIP

IP67 DRIVER

DC+
V +
V −
V −
V −
DC-

SINGLE-COLOUR CONTROLLER

IP67 DRIVER

DC+
DC-
V+
W/CH1
C/CH2

V+
W/CH1
C/CH2

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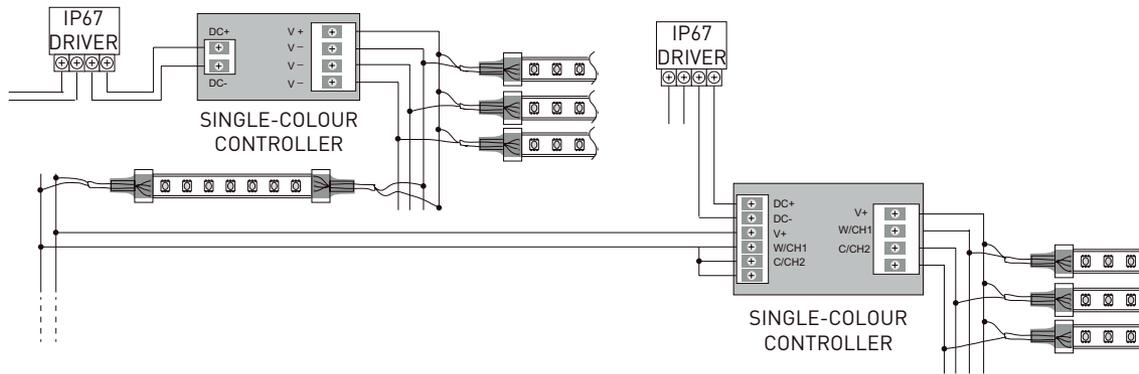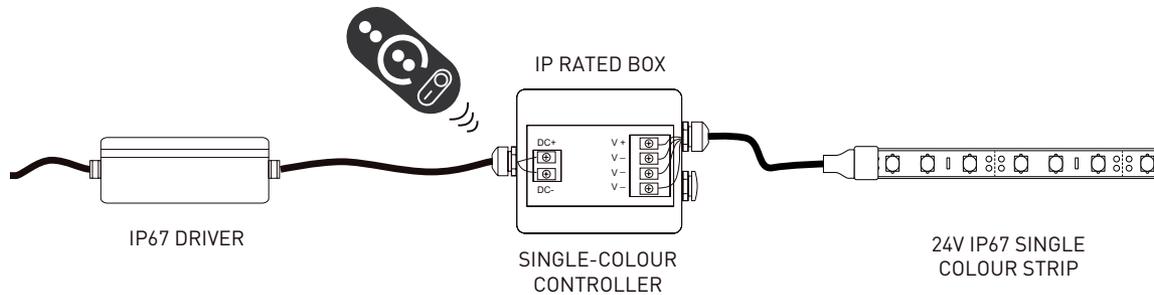
	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED STRIP	RVA96X02030	1	1	1	2	3	4	5
SINGLE COLOUR CONTROLLER	RVACCT1-CRTL	1	1	1	1	1	1	1
SINGLE COLOUR AMPLIFIER	RVACCT1-AMP	0	0	0	1	2	3	4
24V CV NON-DIM LED DRIVER 60W	RVA6024IP67-PSU	1	1	1	2	3	4	5
IP RATED BOX	RVBIP2	1	1	1	2	3	4	5

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

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

IP RATED BOX

IP67 DRIVER

24V IP67 RGBW STRIP

IP67 DRIVER

RGB+WARM/COOL WHITE CONTROLLER

IP67 DRIVER
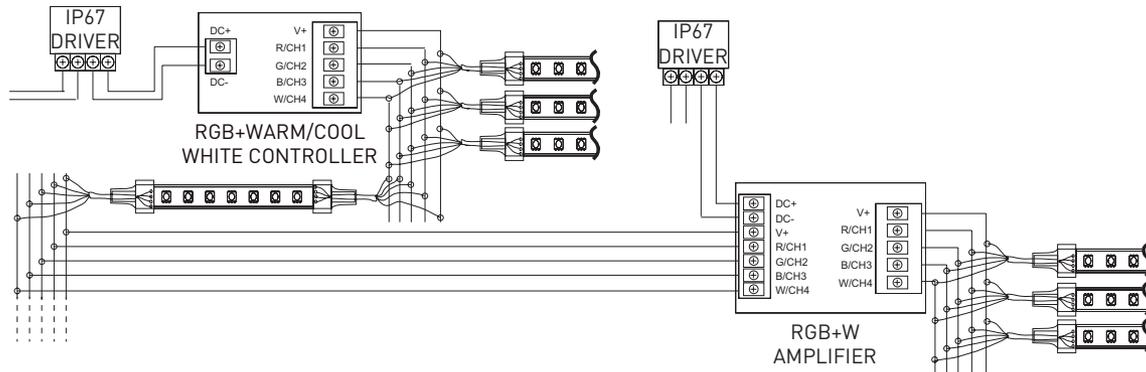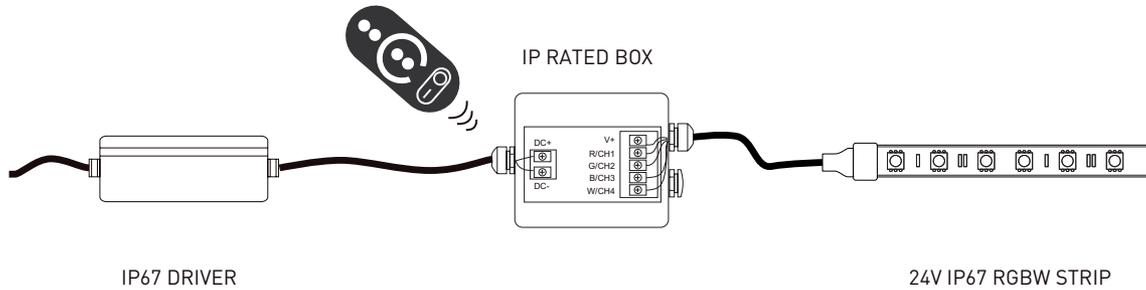
RGB+W AMPLIFIER

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

5pcs clips

5pcs end caps

5pcs heat shrinks

1pcs glue

5pcs

5pcs

5pcs

STEP 1, 2, 3

STEP 4

STEP 5

STEP 6

STEP 7
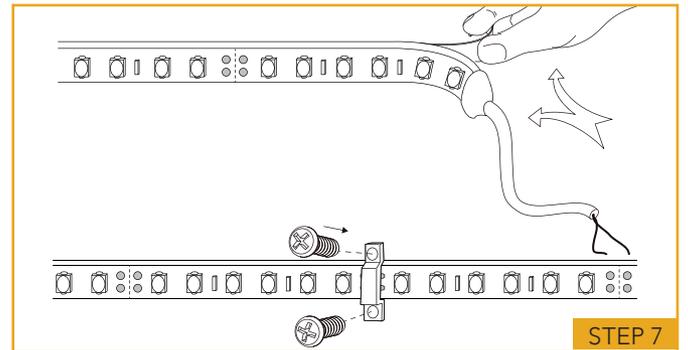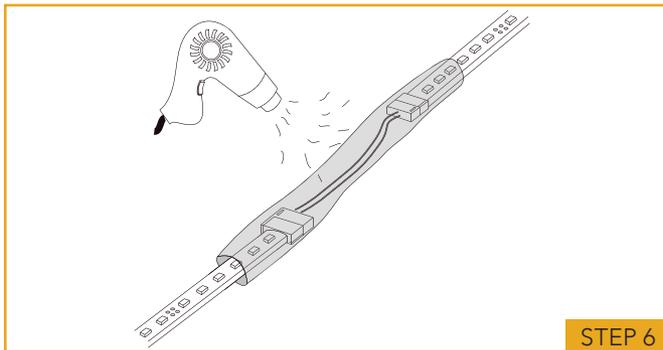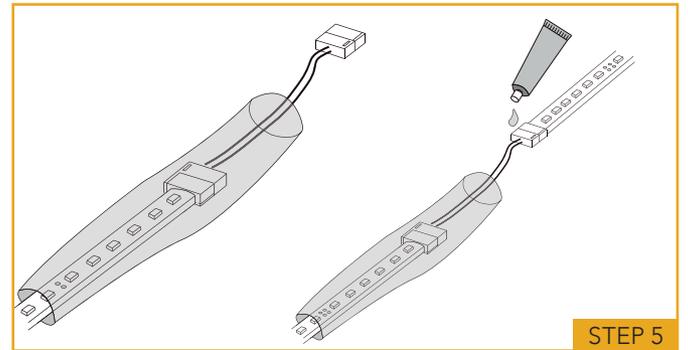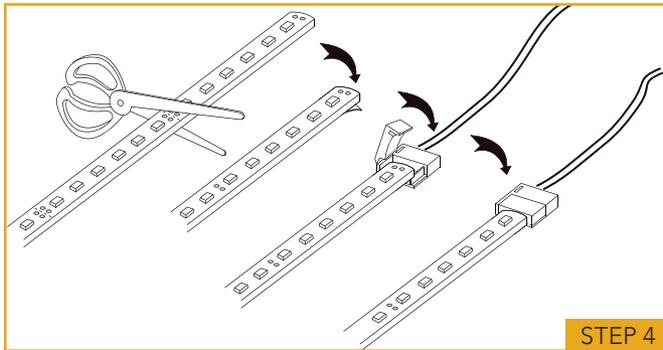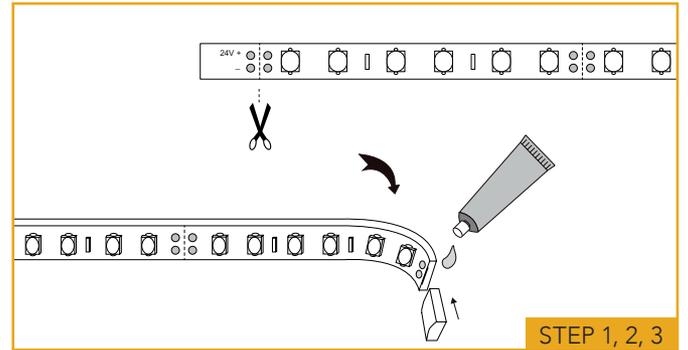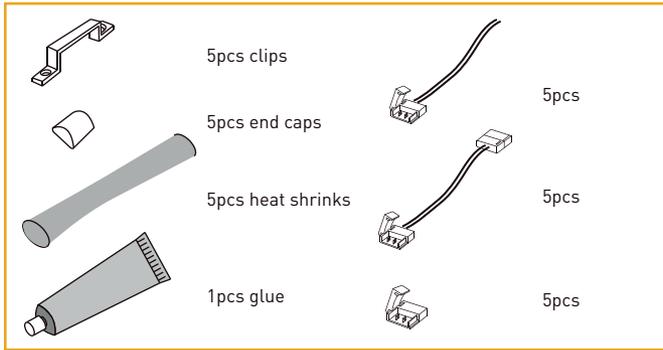
VEGAS CONTROLLERS & AMPLIFIERS

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

	Controller	RVACCT1-WP Wall Panel
Total Power (W):	3*10A	2W
Voltage:	12 - 24VDC	110-240VDC
IP:	20	20
Length (mm):	91	86
Width (mm):	88	86
Height (mm):	24	34
Weight (kg):	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

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

	Controller	RVARGBW-WP Wall Panel
Total Power (W):	4*6A	2W
Voltage:	12 - 24VDC	90-265VAC
IP:	20	20
Length (mm):	91	86
Width (mm):	88	86
Height (mm):	24	34
Weight (kg):	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 flex-strip is dimmed for systems over 10m
- IP rated enclosure available (RVBIP2)
- Current: 6A x 2 channel
- Connection mode: Common Anode

	RVACCT1-AMP
Total Power (W):	144/288
Voltage:	12-24VDC
IP:	20
Length (mm):	80
Width (mm):	73
Height (mm):	34
Weight (kg):	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
Total Power (W):	216/432
Voltage:	12-24VDC
IP:	20
Length (mm):	82
Width (mm):	83
Height (mm):	33
Weight (kg):	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
Total Power (W):	216/432	384/768
Voltage:	12-24VDC	12-24VDC
IP:	20	20
Length (mm):	80	91
Width (mm):	73	84
Height (mm):	34	24
Weight (kg):	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
Total Power (W):	216/432
Voltage:	12-24VDC
IP:	20
Length (mm):	82
Width (mm):	83
Height (mm):	33
Weight (kg):	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: 6A x 4 channel
- Connection mode: Common Anode

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

VEGAS IP RATED BOXES

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

Small Box	RVBIP1
IP:	20
Length (mm):	94
Width (mm):	65
Height (mm):	55
Weight (kg):	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 DRIVERS

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

| 3 YRS | OP 220 240 | 12V DC | ⏚ | IP 20 |

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

| 3 YRS | ⌒ | OP 220 240 | 12V DC | ⏚ | IP 20 |

12V DIMMABLE DRIVERS		
30W	**50W**	**75W**
RVA3012DU-PSU	RVA5012DU-PSU	RVA7512DU-PSU
Total Power (W:) 30	50	75
Voltage: 12VDC	12VDC	12VDC
IP: 20	20	20
Length (mm): 158	158	170
Width (mm): 46	46	56
Height (mm): 18	18	31
Weight (kg): 0.12	0.21	0.3

MINIMUM 12V STRIP LENGTH TO ENSURE PROPER DIMMING	
RVA3012DU-PSU	1m
RVA5012DU-PSU	3m
RVA7512DU -PSU	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
Total Power (W:)	15	30	60	100	150	250	320
Voltage:	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
IP:	20	20	20	20	20	20	20
Length (mm):	103	149	170	180	180	195	215
Width (mm):	35	40	45	65	66	62	78
Height (mm):	16	27	28	31	31	36	35
Weight (kg):	0.04	0.12	0.22	0.37	0.41	0.42	0.44

24V DIMMABLE DRIVERS		
30W	50W	75W
RVA3024DU-PSU	RVA5024DU-PSU	RVA7524DU-PSU
Total Power (W:)	30	50	75
Voltage:	24VDC	24VDC	24VDC
IP:	20	20	20
Length (mm):	158	158	170
Width (mm):	46	46	56
Height (mm):	18	18	31
Weight (kg):	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
Total Power (W:) 60	100	200
Voltage: 12VDC	12VDC	12VDC
IP: 67	67	67
Length (mm): 216	212	212
Width (mm): 42	46	46
Height (mm): 30	38	38
Weight (kg): 0.53	0.58	0.80

24V NON-DIMMABLE DRIVERS		
60W	100W	200W
RVA6024IP67-PSU	RVA10024IP67-PSU	RVA20024IP67-PSU
Total Power (W:) 60	100	200
Voltage: 24VDC	24VDC	24VDC
IP: 67	67	67
Length (mm): 216	212	212
Width (mm): 42	46	46
Height (mm): 30	38	38
Weight (kg): 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**
RVA6024IP67-PSU	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	1m – 5m
RVA10024IP67-PSU	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	6m – 8m
RVA20024IP67-PSU	VEGAS 200W, 24V, IP67 constant voltage driver, non-dimmable	7m – 16m
RVA32024-PSU	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**
ROBUS RLA200DT 5W Min 133W Max	5% - 100%	Compatible	10% - 100%	Compatible	10% - 100%	Compatible
ROBUS RLA200DTG 3W Min 133W Max	5% - 100%	Compatible	10% - 100%	Compatible	15% - 100%	Compatible
ROBUS RUNI 11W Min 50W Max	N/A	N/A	N/A	N/A	15% - 100%	Compatible
Varilight V-PRO 10W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
DETA ATE-VR250 5W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	5% - 100%	Compatible
LightWave RF JSJSLW400WH 10W Min 120W Max	10% - 100%	Compatible	10% - 100%	Compatible	20% - 100%	Compatible
Rako RMT500 1W Min 500W Max	5% - 100%	Compatible	5% - 100%	Compatible	10% - 100%	Compatible
ZANO ZGRIDLED 5W Min 250W Max	N/A	N/A	10%-100%	Compatible	20% - 100%	Compatible
Lutron Rania 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**
ROBUS RLA200DT 5W Min 133W Max	5% - 100%	Compatible	5% - 100%	Compatible	10% - 100%	Compatible
ROBUS RLA200DTG 3W Min 133W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
ROBUS RUNI 11W Min 50W Max	N/A	N/A	N/A	N/A	15% - 100%	Compatible
Varilight V-PRO 10W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	10% - 100%	Compatible
DETA ATE-VR250 5W Min 100W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
LightWave RF JSJSLW400WH 10W Min 120W Max	10% - 100%	Compatible	10% - 100%	Compatible	N/A	N/A
Rako RMT500 1W Min 500W Max	5% - 100%	Compatible	5% - 100%	Compatible	15% - 100%	Compatible
ZANO ZGRIDLED 5W Min 250W Max	N/A	N/A	15%-100%	Compatible	N/A	N/A
Lutron Rania 50W Min 450W Max	N/A	N/A	5%-100%	Compatible	10% - 100%	Compatible
WILTS WPDIMWH401 400W Max	N/A	N/A	N/A	N/A	15% - 100%	Compatible

ROBUS VEGAS LED FLEXI-STRIP

VEGAS ALUMINIUM EXTRUSIONS

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
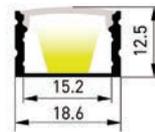- For single-colour and RGB VEGAS flexi-stip

	REXS082-23
Length (m):	2
Width (mm):	17.5
Height (mm):	8
Weight (kg):	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
Length (m):	2
Width (mm):	18.6
Height (mm):	12.5
Weight (kg):	0.12

EXTRUSION, RECESSED, 15MM

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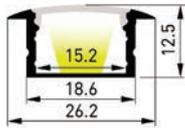- For single-colour and RGB VEGAS flexi-stip

	REXS152-23
Length (m):	2
Width (mm):	25
Height (mm):	15
Weight (kg):	0.23

VEGAS ALUMINIUM EXTRUSIONS

EXTRUSION, RECESSED, 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

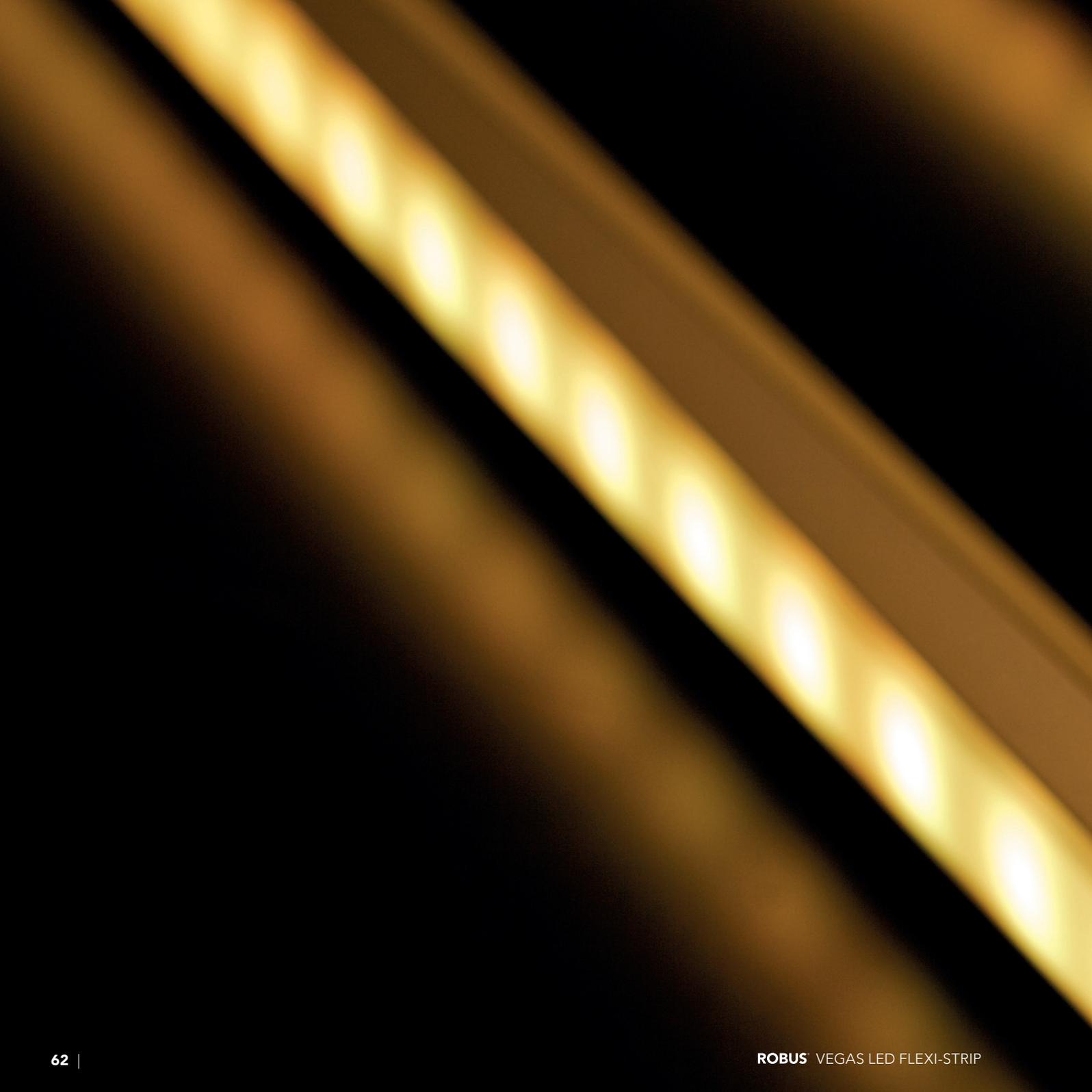| REXR522-23	
Length (m):	2
Width (mm):	18.6
Height (mm):	12.5
Weight (kg):	0.12

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

ROBUS VEGAS LED FLEXI-STRIP

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
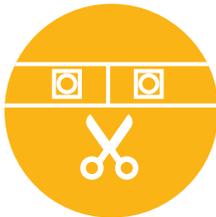
OVERVIEW OF
CUT-TO-LENGTH SERVICE

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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