

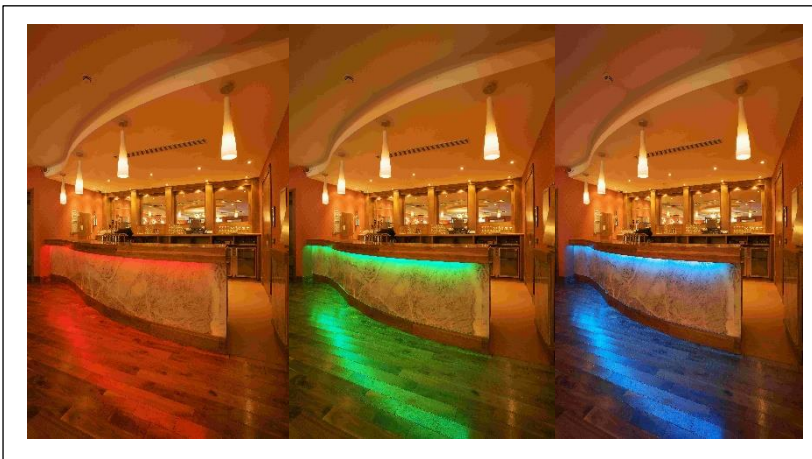
## DISPLAY & LED FLEXI-STRIPS

# ROBUS®

### VEGAS LED SINGLE COLOUR, TUNABLE WHITE, RGB AND RGB+W FLEXI-STRIP WITH STANDARD OR WI-FI CONTROLLERS

This range of LED flexi-strip consists of single colour warm or neutral white, Tunable White, RGB or RGBW strip which can be ordered by the metre. This is a system, which when used with appropriate drivers and controllers provides a superb lighting effect for domestic, retail, commercial or entertainment venues. Accessory amplifiers allow the system to be extended to almost unlimited size.

For those requiring a ready to install system, we provide a **bespoke cutting and soldering service** through our conversions department where flexi-strip can be supplied to any length up to the maximum run size with supply tails



#### Applications:

- Restaurants, Bars, Hotels, Clubs
- Over/under wall cabinet/counter displays
- Ceiling and wall features
- Feature illumination
- Window dressing
- "Star buy" products

Now controllable from  
anywhere in the world  
using the Robus Connect  
Smart Phone App and  
Wi-Fi controllers

#### Features & Benefits:

- The range can be ordered in reels of 10, 30 and 50 metres which is ideal for a stocking wholesaler or approved installer
- Alternatively, the flexi-strip can be ordered by the metre supplied by our customisation department. They will also supply bespoke system design lengths with pre-soldered supply tails along with control components as required
- The range includes Warm, Neutral and Tunable white, RGB and RGB+W, which provides a range of solutions from simple dimmable single colour to exciting multi-colour mode combinations
- Available in 12 or 24VDC High, Medium or Low density the range provides impressive lighting solutions for low cost domestic or high specification homes, retail, entertainment venues or commercial premises
- IP20 or IP67 rated versions of all variants provide standard or higher ingress protection for wet area such as bathrooms or water features
- A full range of drivers make it suitable for small installations such as a display cabinet or for large bespoke systems requiring multiple high power PSU's
- A full range of aluminium extrusion in lengths of 2m provide mechanical protection for the strip where installed in positions where it might be damaged such as under stair tread nosing's
- There are connection packs available allowing complex flexi-strip shapes to be installed
- The flexi-strip can also be linked with DMX 512 control systems for extended control functionality for theatre type applications
- A complete range of dimmable drivers, Wi-Fi, standard controllers with remote control or wall plates provide extended control options you would expect from this professional system
- Amplifiers are also available to extend the system almost without limit
- The LED's used are of high quality, being tested to IES LM80 so have a rated LED life of 30,000 hours and carry the 3 year Robus warranty
- The LED's run cool so produce little infra-red which together with no ultra-violet in the light beam means they won't burn or damage sensitive fabrics or displays and are won't burn sensitive skin if touched

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### Installation Notes subject to rules below:

Multiple lengths of flexi-strip can be supplied directly, or via a controller or amplifier, from a single driver up to its maximum power

For systems using a dimmable driver or controller, once the driver maximum power is reached, the output anywhere downstream of the controlling device should be sampled and fed into a powered amplifier to supply subsequent strip

Only recommended dimmers should be used with Dimmable drivers as poor performance may result

RGB flexi-strip can be wired direct to a driver for Primary and Secondary static colours

Amplifiers nor controllers are required for non-dimming white or static colour RGB flexi-strip

More than one controller or dimmable driver can produce "sync issues" or slightly different dimmed brightness

Powered amplifiers are recommended to be used in the above situation

Wall plates and hand held remotes will only work with their respective controllers. They are not interchangeable, nor can both be used with the same controller

Unlimited numbers of Powered Amplifiers can be used to boost and repeat the signal to additional flexi-strip

Long "low voltage" cable runs from a driver, amplifier or controller will have volt drop which should be factored into the design

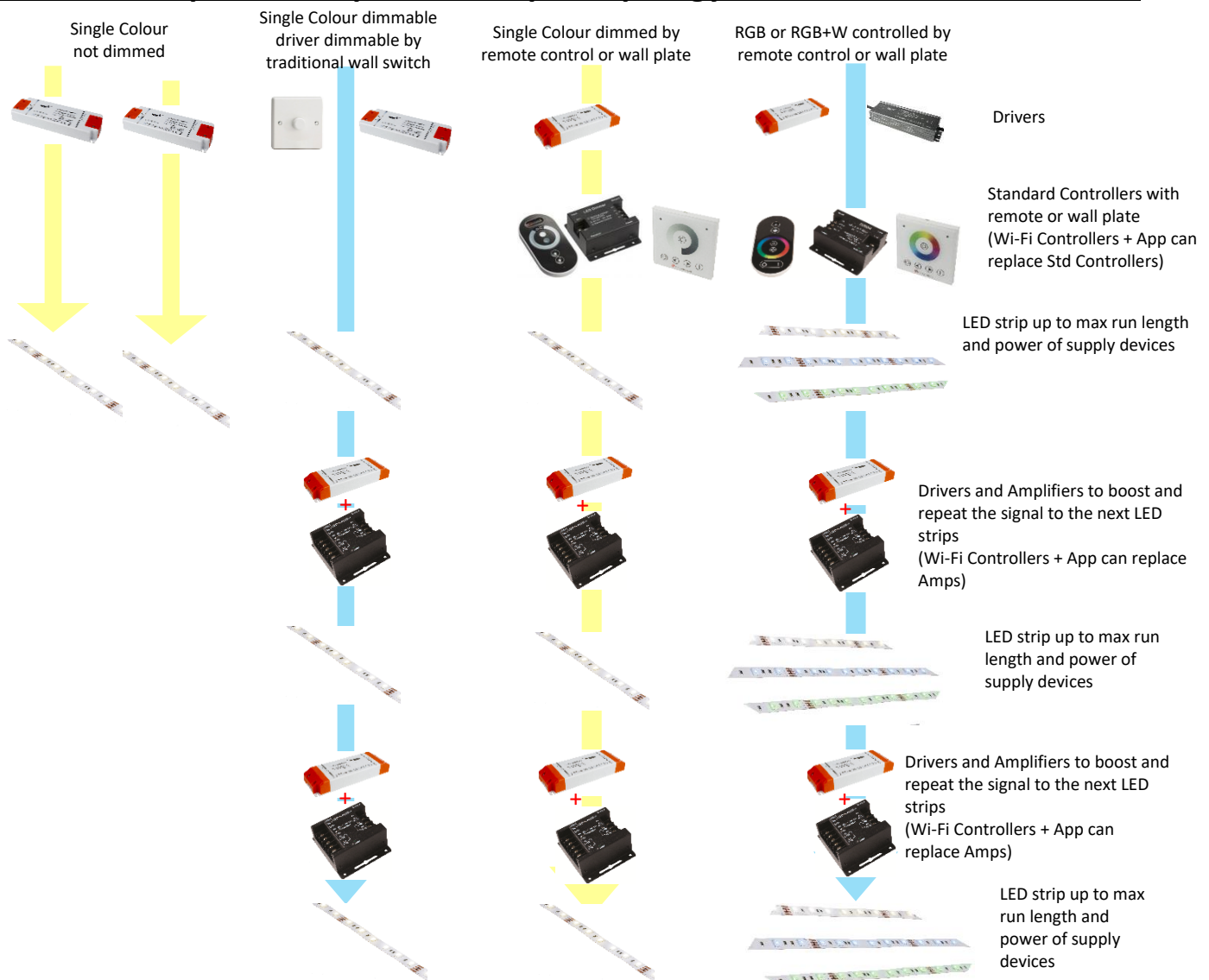
Volt drop calculation is dependent on cable type and design and can be supplied by the cable manufacturer

### IMPORTANT RULES:

1. Flexi-strip should not be connected together to exceed the maximum continuous run length in the data table
2. Drivers, Controllers or Amplifiers rated power should not be exceeded

Please also refer to the Vegas brochure for comprehensive additional information

## LED Flexi-Strip and Component Simple Topology For 12/24VDC and IP20/67



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FLEXI-STRIP	3000K	4000K	Tunable White	3000K	4000K	Tunable White	RGB	RGB	RGB+3000K	RGB+4000K
Product Code (IP20):	RVA48302050	RVA48402050	RVA96CCT22050	RVA96302050	RVA96402050	RVA192CCT22050	RVA72RGB2050	RVA14RGB2050	RVA12RGBW2030-30	RVA12RGBW2030-40
Reel Length (m):	50	50	50	50	50	50	50	50	30	30
Maximum Run Length (m):	10	10	5	10	10	5	5	5	5	5
Operating Voltage (Vdc):	12	12	12	24	24	24	12	24	24	24
Volt Drop/m (V):	0.286	0.286	0.4	0.4	0.4	0.45	0.35	0.35	0.45	0.45
LED's/m:	60	60	120	120	120	144	30	60	60	60
Total Power (W/m):	4.8	4.8	5.7-9.6	9.6	9.6	11.2-19.2	7.2	14.4	12	12
Total Light Output (lm/m):	500	510	520-910	1070	1075	940-1780	NA	NA	NA	NA
Illuminance at 1m (lux):	120	130	160-170	240	240	290-330	NA	NA	NA	NA
Beam Angle (deg):	120	120	120	120	120	120	120	120	120	120
CRI (Ra):	80	80	80	80	80	80	NA	NA	80	80
Rated Life (hrs):	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000
Warranty (yrs):	3	3	3	3	3	3	3	3	3	3
Ingress Protection (IP):	20	20	20	20	20	20	20	20	20	20
Operating Temperature (°C):	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40
Height (mm):	1.5	1.5	2	1.5	1.5	2	2	2	2	2
Width (mm):	8	8	10	8	8	10	8	8	12	12
Box Qty:	1	1	1	1	1	1	1	1	1	1
Weight (kg):	0.75/reel	0.75/reel	0.85/reel	0.85/reel	0.85/reel	0.85/reel	0.85/reel	0.85/reel	1.2/reel	1.2/reel

Product Code (IP67):	RVA48306730	RVA48406730	RVA96CCT26730	RVA96306730	RVA96406730	RVA192CCT26730	RVA72RGB6730	RVA14RGB6730	RVA12RGBW6710-30	RVA12RGBW6710-40
Reel Length (m):	30	30	30	30	30	30	30	30	10	10
Maximum Run Length (m):	10	10	5	10	10	5	5	5	5	5
Operating Voltage (Vdc):	12	12	12	24	24	24	12	24	24	24
Volt Drop/m (V):	0.286	0.286	0.4	0.4	0.4	0.45	0.35	0.35	0.45	0.45
LED's/m:	60	60	120	120	120	144	30	60	60	60
Total Power (W/m):	4.8	4.8	6.0-9.6	9.6	9.6	11.7-19.2	14.4	14.4	12	12
Total Light Output (lm/m):	480	485	430-800	990	995	800-1520	NA	NA	NA	NA
Illuminance at 1m (lux):	110	110	110-120	230	230	200-220	NA	NA	NA	NA
Beam Angle (deg):	120	120	120	120	120	120	120	120	120	120
CRI (Ra):	80	80	80	80	80	80	NA	NA	80	80
Rated Life (hrs):	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Warranty (yrs):	3	3	3	3	3	3	3	3	3	3
Ingress Protection (IP):	67	67	67	67	67	67	67	67	67	67
Operating Temperature (°C):	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40
Height (mm):	3	3	4	3	3	4	4	4	4	4
Width (mm):	10	10	10	10	10	10	10	10	14	14
Box Qty:	1	1	1	1	1	1	1	1	1	1
Weight (kg):	1.9/reel	1.9/reel	1.9/reel	1.92/reel	1.92/reel	1.92/reel	1.92/reel	1.92/reel	0.75/reel	0.75/reel

### FLEXI-STRIP CONNECTORS

#### IP20 & IP67 CONNECTORS

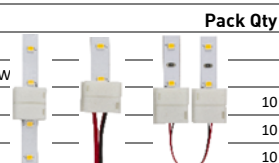
IP20 - Replace **XX** with: **48** for 12V White - **96** for 24V White - **CCT2** for 12 and 24V Tunable White - **RGB** for 12V and 24V RGB - **RGBW** for 12V and 24V RGBW

IP67 - Replace **XX** with: **67** for 12V White - **67** for 24V White - **67CCT2** for 12 and 24V Tunable White - **67RGB** for 12V and 24V RGB - **67RGBW** for 12V and 24V RGBW

**RVAXX-C** VEGAS IP20 EASY CLIP IN-LINE CONNECTOR - STRIP TO STRIP STRAIGHT - PRICED/PIECE

**RVAXX-C1** VEGAS IP20 EASY CLIP CONNECTOR - CLIP WITH 150MM FLYING LEAD - PRICED/PIECE

**RVAXX-C2** VEGAS IP20 EASY CLIP CONNECTOR - STRIP TO STRIP, WITH 150MM LEAD BETWEEN - PRICED/PIECE



#### IP20 STRIP TO STRIP CONNECTORS

**RVAXXL-CONN** VEGAS EASY CLIP "L" CONNECTOR - PRICED/PIECE - **NOT SUITABLE FOR 24V WHITE**

**RVAXXT-CONN** VEGAS EASY CLIP "T" CONNECTOR - PRICED/PIECE - **NOT SUITABLE FOR 24V WHITE**

**RVAXXX-CONN** VEGAS EASY CLIP "X" CONNECTOR - PRICED/PIECE - **NOT SUITABLE FOR 24V WHITE**



#### MISCELLANEOUS ACCESSORIES

**RVA67-EC** VEGAS 5 END CAPS AND 10 CLIPS FOR 12V/24V WHITE IP67 LED STRIP - PRICED/PACK

**RVA67CCT2-EC** VEGAS 5 END CAPS AND 10 CLIPS FOR 12V/24V Tunable WHITE IP67 LED STRIP - PRICED/PACK

**RVA67RGBW-EC** VEGAS 5 END CAPS AND 10 CLIPS FOR 24V RGBW IP67 LED STRIP - PRICED/PACK

**RVA67-H** VEGAS HEAT SHRINK FOR IP67 LED STRIP CONNECTORS - PRICED/PIECE

**RVA67-G** VEGAS GLUE FOR IP67 END CAPS AND HEAT SHRINK



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NON-DIMMABLE DRIVERS										WALL SWITCH DIMMABLE DRIVERS		
12V IP20	RVA1512-PSU	RVA3012-PSU	RVA6012-PSU	RVA10012-PSU	NA	RVA18012-PSU	NA	NA	NA	RVA3012DU-PSU	RVA5012DU-PSU	RVA7512DU-PSU
12V IP67	NA	NA	RVA6012IP67-PSU	RVA10012IP67-PSU	NA	NA	RVA20012IP67-PSU	NA	NA	NA	NA	NA
24V IP20	RVA1524-PSU	RVA3024-PSU	RVA6024-PSU	RVA10024-PSU	RVA15024-PSU	NA	NA	RVA25024-PSU	RVA32024-PSU	RVA3024DU-PSU	RVA5024DU-PSU	RVA7524DU-PSU
24V IP67	NA	NA	RVA6024IP67-PSU	RVA10024IP67-PSU	NA	NA	RVA20024IP67-PSU	NA	NA	NA	NA	NA
<b>Total Power (W):</b>	15	30	60	100	150	180	200	250	320	30	50	75
<b>Rated Life (hrs):</b>	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>Warranty (yrs):</b>	3	3	3	3	3	3	3	3	3	3	3	3
<b>Safety Class:</b>	II	II	II/I	II/I	II	II	I	II	II	II	II	II
<b>Operating Temp (°C):</b>	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40
<b>Power Factor (PF):</b>	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
<b>Height (mm):</b>	16	27	28/30	31/38	31	31	38	36	35	18	18	31
<b>Length (mm):</b>	103	149	170/216	180/212	180	183	212	195	215	158	158	170
<b>Width (mm):</b>	35	40	45/42	65/46	66	67	46	62	78	46	46	56
<b>Weight (kg):</b>	0.04	0.12	0.22/0.53	0.37/0.58	0.41	0.41	0.8	0.42	0.44	0.12	0.21	0.3

## AMPLIFIERS AND CONTROLLERS



\*\*\*-AMP



RVACCT1-CRTL



RVARGB\*-CRTL



RVACCT1-WP



RVARGB\*-WP



RVA\*\*\*\*-Wi-Fi

USE CCT1 PRODUCTS FOR SINGLE-COLOUR STRIP, CCT2 PRODUCTS FOR TUNABLE WHITE AND RGB/RGBW PRODUCTS FOR MULTI-COLOUR STRIP

Product Code:	RVACCT1-AMP	RVARGB-AMP	RVARGBW-AMP	RVACCT1-CRTL	RVARGB-CRTL	RVARGBW-CRTL	RVACCT1-WP	RVARGB-WP	RVARGBW-WP	RVACCT1-WIFI	RVACCT2-WIFI	RVARGB-WIFI	RVARGBW-WIFI
<b>Total Power 12V/24V (W):</b>	144/288	216/432	384/768	216/432	360/720	384/768	360/720	360/720	384/768	120/240	120/240	120/240	120/240
<b>Rated Life (hrs):</b>	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>Warranty (yrs):</b>	3	3	3	3	3	3	3	3	3	3	3	3	3
<b>Ingress Protection (IP):</b>	20	20	20	20	20	20	20	20	20	20	20	20	20
<b>Operating Temperature (°C):</b>	-20 ≤ t ≤ +40												
<b>Output Current/Channel (mA):</b>	2x6,000	3x6,000	4x8,000	3x6,000	3x10,000	4x8,000	3x10,000	3x10,000	4x8,000	1x10,000	2x5,000	3x5,000	4x5,000
<b>Total max device current (A):</b>	12	18	32	18	30	32	30	30	32	10	10	10	10
<b>Operating Voltage (Vdc):</b>	12-24	12-24	12-24	12-24	12-24	12-24	12-24	12-24	12-24	12-24	12-24	12-24	12-24
<b>Height Controller/Remote (mm):</b>	34	34	34	33/22	33/22	33/22	24/NA	24/NA	24/NA	21	21	21	21
<b>Length Controller/Remote (mm):</b>	80	80	80	82/113	82/113	82/113	91/86	91/86	91/86	99	99	99	99
<b>Width Controller/Remote (mm):</b>	73	73	73	83/55	83/55	83/55	88/86	88/86	88/86	39	39	39	39
<b>Depth Controller/Remote (mm):</b>	NA	NA	NA	NA	NA	NA	NA/34	NA/34	NA/34	NA	NA	NA	NA
<b>Box Qty:</b>	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>Weight (kg):</b>	0.13	0.13	0.13	0.3	0.3	0.3	0.41	0.41	0.41	0.04	0.04	0.04	0.04

## ALUMINIUM EXTRUSIONS

Product Code	Description	Mounting Type	Strip Type	Profile
REXS082-23	Length 2m + 2 end caps	Surface	Single colour or RGB	1
REXS122-23	Length 2m + 2 end caps	Surface	RGBW	2
REXR152-23	Length 2m + 2 end caps	Recessed	Single colour or RGB	3
REXR122-23	Length 2m + 2 end caps	Recessed	RGBW	4
REXR522-23	Length 2m + 2 end caps + suspension kit	Recessed or Suspended	All	5
REXC242-23	Length 2m + 2 end caps + suspension kit	Surface Clipped or Suspended	All	6

