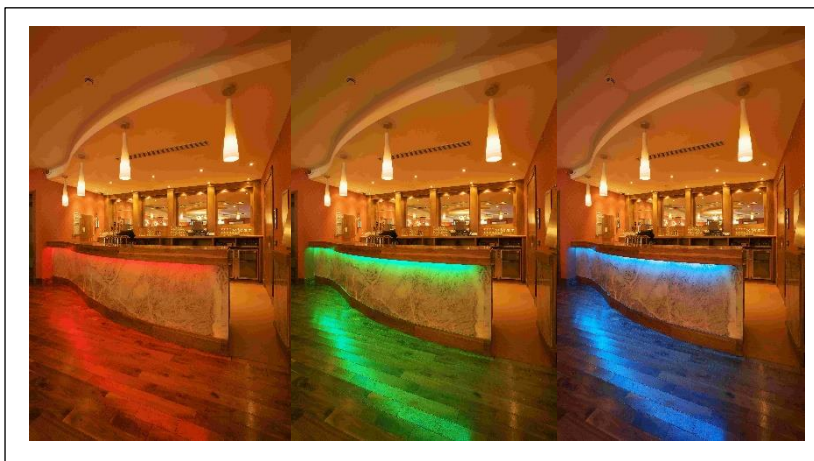# VEGAS LED SINGLE COLOUR, TUNABLE WHITE, RGB AND RGB+W FLEXI-STRIP WITH STANDARD OR WI-FI CONTROLLERS

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 if 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 will not burn sensitive skin if touched

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

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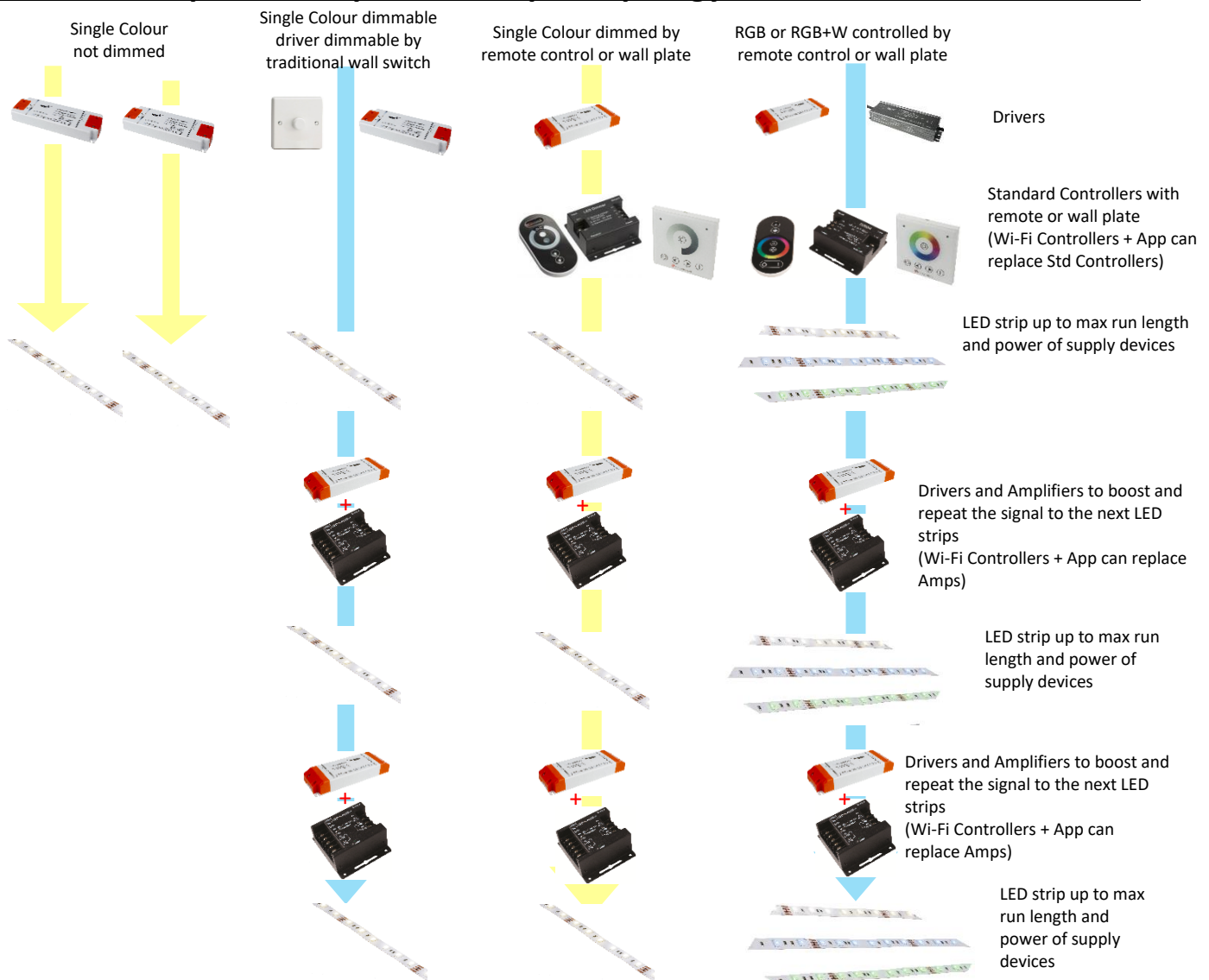Volt drop calculation is dependent on cable type and design and can be supplied by the cable manufacturer

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

Single Colour
not dimmed

Single Colour dimmable
driver dimmable by
traditional wall switch

Single Colour dimmed by
remote control or wall plate

RGB or RGB+W controlled by
remote control or wall plate

Drivers

Standard Controllers with
remote or wall plate
(Wi-Fi Controllers + App can
replace Std Controllers)

LED strip up to max run length
and power of supply devices

Drivers and Amplifiers to boost and
repeat the signal to the next LED
strips
(Wi-Fi Controllers + App can replace
Amps)

LED strip up to max run
length and power of
supply devices

Drivers and Amplifiers to boost and
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LEDGROUP

DISPLAY & LED FLEXI-STRIPS

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

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FLEXI-STRIP	LONG RUN 3000K	LONG RUN 4000K	LONG RUN 3000K	LONG RUN 4000K
Product Code:	RVAL5242030-30	RVAL5242030-40	RVAL5246730-30	RVAL5246730-40
Reel Length (m):	30	30	30	30
Maximum Run Length (m):	30	30	30	30
Operating Voltage (DC):	24	24	24	24
LED's/m:	60	60	60	60
Total Power (W/m):	4.8	4.8	4.8	5.0
Total Light Output (lm/m):	540	570	480	520
Illuminance at 1m (lux):	180	180	130	140
Beam Angle (deg):	120	120	120	120
CRI (Ra):	80	80	80	80
Rated Life (hrs):	30000	30000	30000	30000
Warranty (yrs):	3	3	3	3
Ingress Protection (IP):	20	20	67	67
Operating Temperature (˚C):	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40
Height (mm):	2	2	4.5	4.5
Width (mm):	10	10	12	12
Box Qty:	1	1	1	1
Weight (kg):	0.7/reel	0.7/reel	2.6/reel	2.6/reel

DISPLAY & LED FLEXI-STRIPS

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

FLEXI-STRIP	3000K	4000K	Tunable White	3000K	4000K	Tuneable 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 (DC):	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	RVA12RGBW6730-30	RVA12RGBW6730-40
Reel Length (m):	30	30	30	30	30	30	30	30	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	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	2.25/reel	2.25/reel

FLEXI-STRIP Connectors	3000K Left	3000K Right	4000K Left	4000K Right	3000K Left	3000K Right	4000K Left	4000K Right
Product Code (IP20):	RVA4830LC-L	RVA4830LC-R	RVA4840LC-L	RVA4840LC-R	RVA9630LC-L	RVA9630LC-R	RVA9640LC-L	RVA9640LC-R
Operating Voltage (DC):	12	12	12	24	24	24	12	24
Total Power (W/m):	4.8	4.8	4.8	4.8	9.6	9.6	9.6	9.6
Total Light Output (lm/m):	30	30	30	30	60	60	60	60
CCT	3000	3000	4000	L4000	3000	3000	4000	4000
CRI (Ra):	80	80	80	80	80	80	80	80
Rated Life (hrs):	30000	30000	30000	30000	30000	30000	30000	30000
Warranty (yrs):	3	3	3	3	3	3	3	3
Ingress Protection (IP):	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
Height (mm):	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Width (mm):	27	27	27	27	27	27	27	27
Length (mm):	27	27	27	27	27	27	27	27
Box Qty:	10	10	10	10	10	10	10	10
Weight (kg):	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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

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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	RVA5012IP67-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	RVA6024IP67N-PSU	RVA10024IP67-PSU	NA	NA	RVA20024IP67-PSU	NA	NA	NA	NA	NA
Total Power (W):		15	30	60	100	150	180	200	250	320	30	50	75
Rated Life (hrs):		30,000	30,000	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	3	3
Safety Class:		II	II	II/I	II/I	II	II	I	II	II	II	II	II
Operating Temp (˚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	-20 ≤ t ≤ +40	-20 ≤ t ≤ +40
Power Factor (PF):		0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Height (mm):		16	27	28/30	31/38	31	31	38	36	35	18	18	31
Length (mm):		103	149	170/216	180/212	180	183	212	195	215	158	158	170
Width (mm):		35	40	45/42	65/46	66	67	46	62	78	46	46	56
Weight (kg):		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
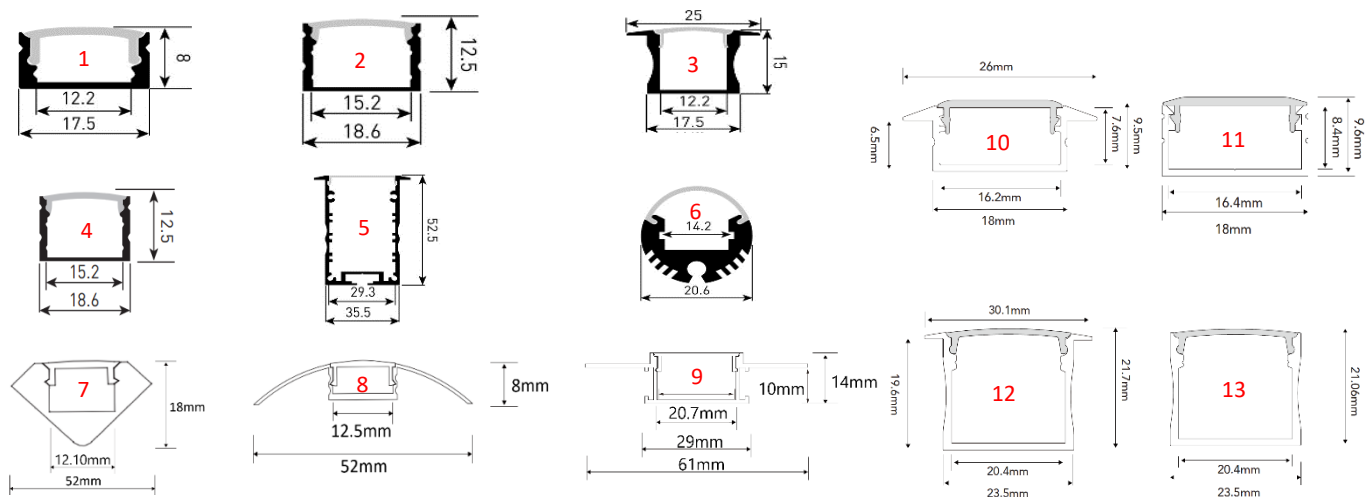
Product Code:	RVACCT1-AMP	RVARGB-AMP	RVARGBW-AMP	RVACCT1-CRTL	RVARGB-CRTL	RVARGBW-CRTL	RVACCT1-WP	RVARGB-WP	RVARGBW-WP	RVACCT1-WIFI	RVACCT2-WIFI	RVARGB-WIFI	RVARGBW-WIFI
Total Power 12V/24V (W):	144/288	216/432	384/768	216/432	360/720	384/768	360/720	360/720	384/768	120/240	120/240	120/240	120/240
Rated Life (hrs):	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
Warranty (yrs):	3	3	3	3	3	3	3	3	3	3	3	3	3
Ingress Protection (IP):	20	20	20	20	20	20	20	20	20	20	20	20	20
Operating Temperature (˚C):	-20 ≤ t ≤ +40												
Output Current/Channel (mA):	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
Total max device current (A):	12	18	32	18	30	32	30	30	32	10	10	10	10
Operating Voltage (Vdc):	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
Height Controller/Remote (mm):	34	34	34	33/22	33/22	33/22	24/NA	24/NA	24/NA	21	21	21	21
Length Controller/Remote (mm):	80	80	80	82/113	82/113	82/113	91/86	91/86	91/86	99	99	99	99
Width Controller/Remote (mm):	73	73	73	83/55	83/55	83/55	88/86	88/86	88/86	39	39	39	39
Depth Controller/Remote (mm):	NA	NA	NA	NA	NA	NA	NA/34	NA/34	NA/34	NA	NA	NA	NA
Box Qty:	1	1	1	1	1	1	1	1	1	1	1	1	1
Weight (kg):	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

VEGAS LED SINGLE COLOUR, TUNABLE WHITE, RGB AND RGB+W FLEXI-STRIP EXTRUSIONS & CONNECTORS

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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
REXA172-23	Length 2m + 2 end caps	Angled	All	7
REXW071-23	Length 2m + 2 end caps	Walkover	All	8
REXP142-23	Length 2m + 2 end caps	Plaster-in	All	9
REXR092-23	Length 2m + 2 end caps	Recessed	All	10
REXS092-23	Length 2m + 2 end caps	Surface	All	11
REXR212-23	Length 2m + 2 end caps	Recessed	All	12
REXS212-23	Length 2m + 2 end caps	Surface	All	13

FLEXI-STRIP CONNECTORS

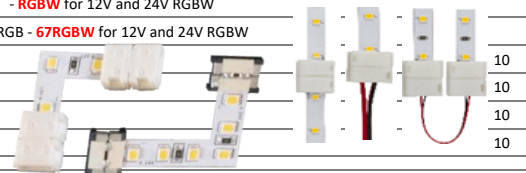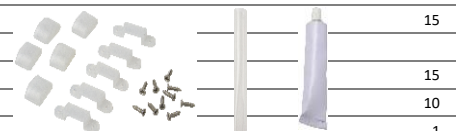| IP20 & IP67 CONNECTORS		Pack Qty
IP20 - Replace **XX** with: **48** for 12V White - **96** for 24V White – **CCT2** for 12 and 24V Tuneable White - **RGB** for 12V and 24V RGB - **RGBW** for 12V and 24V RGBW		
IP67 - Replace **XX** with: **67** for 12V White - **67** for 24V White – **67CCT2** for 12 and 24V Tuneable White - **67RGB** for 12V and 24V RGB - **67RGBW** for 12V and 24V RGBW		
RVA**XX**-C	VEGAS IP20 EASY CLIP IN-LINE CONNECTOR - STRIP TO STRIP STRAIGHT - PRICED/PIECE	10
RVA**XX**-C1	VEGAS IP20 EASY CLIP CONNECTOR - CLIP WITH 150MM FLYING LEAD - PRICED/PIECE	10
RVA**XX**-C2	VEGAS IP20 EASY CLIP CONNECTOR - STRIP TO STRIP, WITH 150MM LEAD BETWEEN - PRICED/PIECE	10
RVA48-C12	VEGAS EASY CLIP CONNECTOR FOR 4.8W/12V CCT1 IP20/STRIP-TO-DRIVER, 2000MM - PRICED/PIECE	10
IP20 STRIP TO STRIP CONNECTORS		
RVA**XX**L-CONN	VEGAS EASY CLIP "L" CONNECTOR - PRICED/PIECE - NOT SUITABLE FOR 24V WHITE	3
RVA**XX**T-CONN	VEGAS EASY CLIP "T" CONNECTOR - PRICED/PIECE - NOT SUITABLE FOR 24V WHITE	3
RVA**XXX**-CONN	VEGAS EASY CLIP "X" CONNECTOR - PRICED/PIECE - NOT SUITABLE FOR 24V WHITE	3
RVA**XXX**-CONN	VEGAS EASY CLIP "X" CONNECTOR - PRICED/PIECE - NOT SUITABLE FOR 24V WHITE	3
MISCELLANEOUS ACCESSORIES		
RVA67-EC	VEGAS 5 END CAPS AND 10 CLIPS FOR 12V/24V WHITE IP67 LED STRIP - PRICED/PACK	15
RVA67CCT2-EC	VEGAS 5 END CAPS AND 10 CLIPS FOR 12V/24V Tuneable WHITE IP67 LED STRIP - PRICED/PACK	
RVA67RGBW-EC	VEGAS 5 END CAPS AND 10 CLIPS FOR 24V RGBW IP67 LED STRIP - PRICED/PACK	15
RVA67-H	VEGAS HEAT SHRINK FOR IP67 LED STRIP CONNECTORS - PRICED/PIECE	10
RVA67-G	VEGAS GLUE FOR IP67 END CAPS AND HEAT SHRINK	1