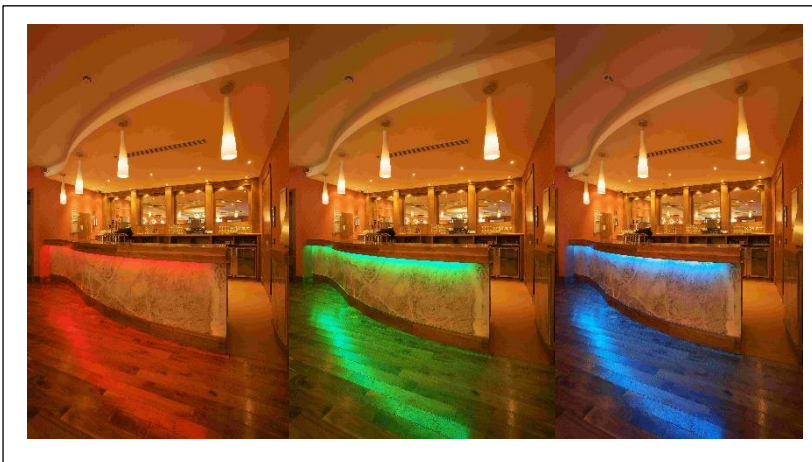


VEGAS LED SINGLE COLOUR, RGB AND RGB+W FLEXI-STRIP

This range of LED flexi-strip consists of single colour warm or neutral 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

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 and Neutral 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, 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

DISPLAY & LED FLEXI-STRIPS

ROBUS®

VEGAS LED SINGLE COLOUR, RGB AND RGB+W FLEXI-STRIP

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

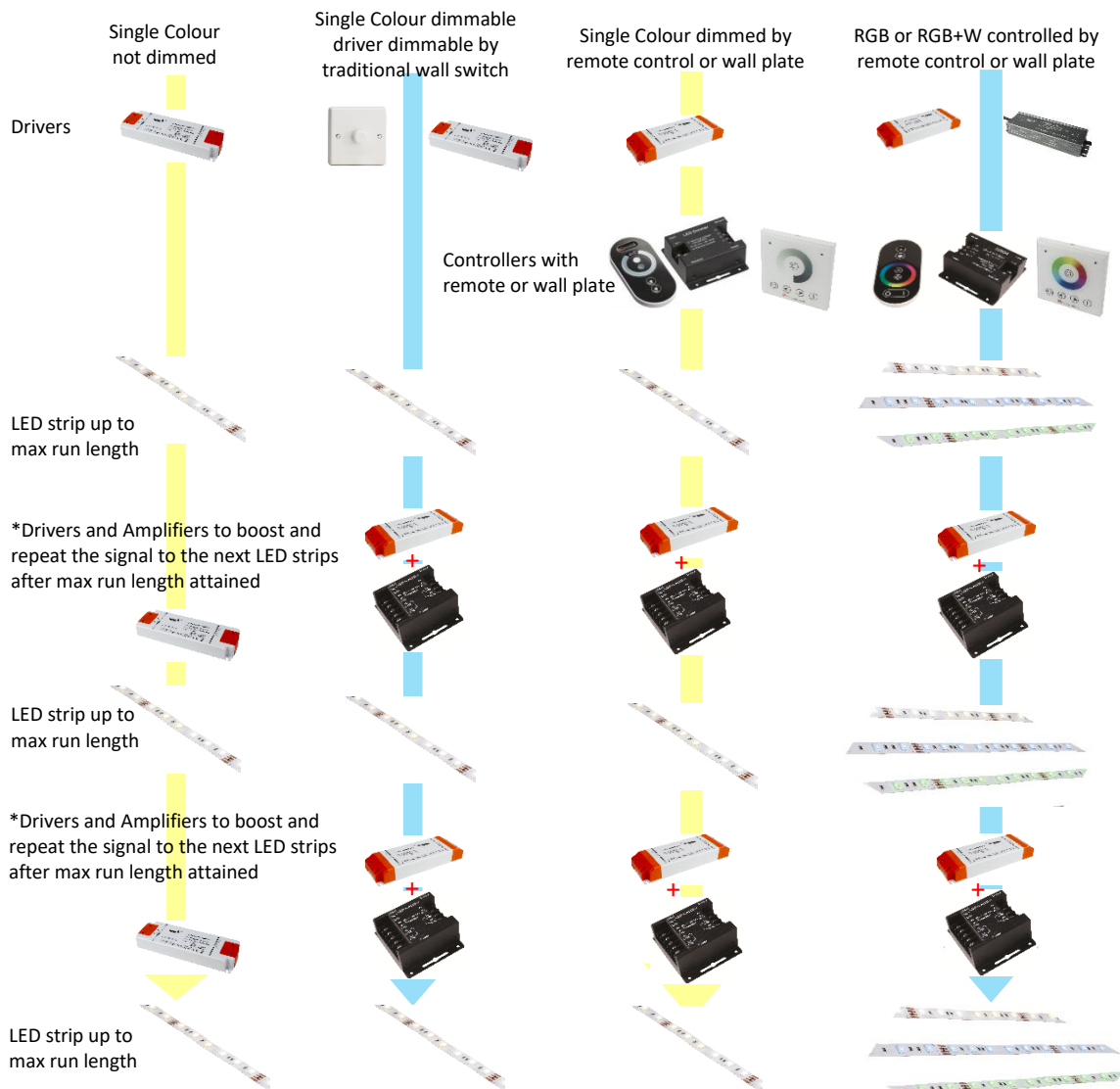
Volt drop calculation is dependent on cable type and design and can be supplied by the cable manufacturer

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



VEGAS LED SINGLE COLOUR, RGB AND RGB+W FLEXI-STRIP

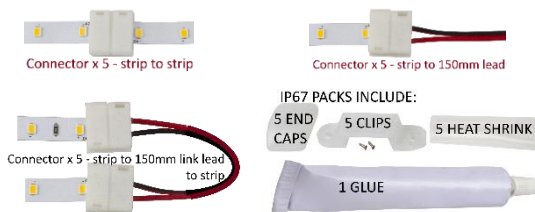
FLEXI-STRIP	3000K	4000K	3000K	4000K	RGB	RGB	RGB+3000K	RGB+4000K
Product Code:	IP20 RVA48302050	RVA48402050	RVA96302050	RVA96402050	RVA72RGB2050	RVA14RGB2050	RVA12RGBW2030-30	RVA12RGBW2030-40
Reel Length (m):	50	50	50	50	50	50	30	30
Maximum Run Length (m):	10	10	10	10	5	5	5	5
Operating Voltage (Vdc):	12	12	24	24	12	24	24	24
Volt Drop/m (V):	0.286	0.286	0.4	0.4	0.35	0.35	0.45	0.45
LED's/m:	60	60	120	120	30	60	60	60
Total Power (W/m):	4.8	4.8	9.6	9.6	7.2	14.4	12	12
Total Light Output (lm/m):	500	510	1070	1075	NA	NA	NA	NA
Illuminance at 1m (lux):	120	130	240	240	NA	NA	NA	NA
Beam Angle (deg):	120	120	120	120	120	120	120	120
CRI (Ra):	80	80	80	80	NA	NA	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	2	2	2	2
Width (mm):	8	8	8	8	8	8	12	12
Box Qty:	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	1.2/reel	1.2/reel

Product Code:	IP67 RVA48306730	RVA48406730	RVA96306730	RVA96406730	RVA72RGB6730	RVA14RGB6730	RVA12RGBW6710-30	RVA12RGBW6710-40
Reel Length (m):	30	30	30	30	30	30	10	10
Maximum Run Length (m):	10	10	10	10	5	5	5	5
Operating Voltage (Vdc):	12	12	24	24	12	24	24	24
Volt Drop/m (V):	0.86	0.86	0.4	0.4	0.35	0.35	0.45	0.45
LED's/m:	60	60	120	120	30	60	60	60
Total Power (W/m):	4.8	4.8	9.6	9.6	14.4	14.4	12	12
Total Light Output (lm/m):	480	485	990	995	NA	NA	NA	NA
Illuminance at 1m (lux):	110	110	230	230	NA	NA	NA	NA
Beam Angle (deg):	120	120	120	120	120	120	120	120
CRI (Ra):	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
Warranty (yrs):	3	3	3	3	3	3	3	3
Ingress Protection (IP):	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
Height (mm):	3	3	3	3	4	4	4	4
Width (mm):	10	10	10	10	10	10	14	14
Box Qty:	1	1	1	1	1	1	1	1
Weight (kg):	1.9/reel	1.9/reel	1.92/reel	1.92/reel	1.92/reel	1.92/reel	0.75/reel	0.75/reel

Connection Accessories

CONNECTOR PACKS - Each pack contains connectors with the appropriate number of conductors for the strip type (2 to 5)

RVA48-CONN	IP20 12VDC SINGLE COLOUR CONNECTOR PACK
RVA96-CONN	IP20 24VDC SINGLE COLOUR CONNECTOR PACK
RVARGB-CONN	IP20 12VDC AND 24VDC RGB CONNECTOR PACK
RVARGBW-CONN	IP20 24VDC RGB+W CONNECTOR PACK
RVA67-CONN	IP67 12VDC AND 24VDC SINGLE COLOUR CONNECTOR PACK
RVA67RGB-CONN	IP67 12VDC AND 24VDC RGB CONNECTOR PACK
RVA67RGBW-CONN	IP67 12VDC AND 24VDC RGB+W CONNECTOR PACK



FIXED ADAPTERS

RVA48*-CONN	REPLACE * WITH L, T OR X FOR IP20 12VDC (NOT 24VDC) SINGLE COLOUR STRIP (3 PIECES)
RVARGB*-CONN	REPLACE * WITH L, T OR X FOR IP20 12VDC AND 24VDC RGB STRIP (3 PIECES)
RVARGBW*-CONN	REPLACE * WITH L, T OR X FOR IP20 12VDC AND 24VDC RGB+W STRIP (3 PIECES)



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
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):		0.9	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

USE CCT1 PRODUCTS FOR SINGLE-COLOUR STRIP 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
Total Power 12V/24V (W):	144/288	216/432	384/768	216/432	360/720	384/768	360/720	360/720	384/768
Rated Life (hrs):	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
Ingress Protection (IP):	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
Output Current (mA):	2x6,000	3x6,000	4x8,000	3x6,000	3x10,000	4x8,000	3x10,000	3x10,000	4x8,000
Operating Voltage (Vdc):	12-24	12-24	12-24	12-24	12-24	12-24	110-240/12-24	110-240/12-24	110-240/12-24
Height Controller/Remote (mm):	34	34	34	33/22	33/22	33/22	24/NA	24/NA	24/NA
Length Controller/Remote (mm):	80	80	80	82/113	82/113	82/113	91/86	91/86	91/86
Width Controller/Remote (mm):	73	73	73	83/55	83/55	83/55	88/86	88/86	88/86
Depth Controller/Remote (mm):	NA	NA	NA	NA	NA	NA	NA/34	NA/34	NA/34
Box Qty:	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

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

