

## V Bar Series User Manual

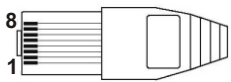


[Http://www.visio-led.com](http://www.visio-led.com)

Specifications are subject to change without prior notice.

The RJ 45 plug that connects the V Bar unit to the V Power driver has the following wiring:

**RJ 45 plug**  
(View facing pins)



PIN	Color of wire	RGB
1	White/Orange	Red LED +
2	Orange	Green LED +
3	White/Green	Blue LED +
4	Blue	White LED +
5	White/Blue	Red LED -
6	Green	Green LED -
7	White/Brown	Blue LED -
8	Brown	White LED -

17A

### 1. Attention:

- Do not install the fixture near high inflammable liquids or materials.
- Do not allow anything to rest on the fixture.
- Do not install the fixture near the naked flames.
- Do not install the fixture in dirty, dusty location.
- Do not looking directly into the LED light beam at close range.
- Operate only in places where the sufficient air flow is present.

### 2. Technical specifications:

#### VB-12:

Max. Input Current: 350 mA  
 Input Voltage: DC 48V  
 Power Consumption: 13.1W  
 Compatible Power Supply: V Power Series  
 LED Emitter: 1W

2A

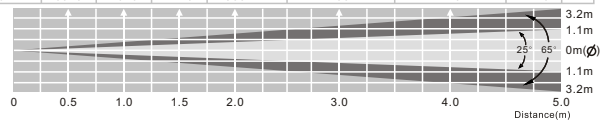
### 4. Connection

The V Bar unit should be connected to the V Power driver. See V Power 60 ( or V Power 120, V Power 240, V Power 600) user manual for full details of mains power requirement, built-in programs and DMX operation. Connect the end of the V Bar's cable directly to the driver or use suitable junction box (V-JB, water-proof for outdoor installation) if the cable has to be extended.

15A

Luminous intensity:

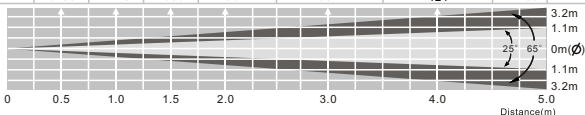
Color	Distance	Distance (m)							
		0.5	1.0	1.5	2.0	3.0	4.0	5.0	
RED	170°	217	56.9	21.2	11.7	4.6	3.2	2.5	
	30° / 65°	1810	432	193.4	115	51.3	28.9	18.4	
	25°	2790	1027	608	336	166	99.8	65.7	
GREEN	170°	326	92	3.4	2	0.8	0.6	0.7	
	30° / 65°	257	66.1	29.6	17.9	8.2	4.1	3	
	25°	512	1834	1022	585	287	174	118	
BLUE	170°	32.2	9.2	4.2	2.5	1.1	0.9	0.6	
	30° / 65°	404	105.8	48.6	29.4	13.3	7.3	4.7	
	25°	580	188	101	58.8	28	17.3	11.9	
RGB	170°	575	139	27	16.1	7.5	4.5	3.2	
	30° / 65°	2710	599	268	159	72.4	39.7	24.7	
	25°	6870	3030	1646	1020	473	283	190	
CW	170°	2060	640	310	172.2	79.3	44.6	39.6	
	30° / 65°	2760	1057	581	359	177.2	103.4	70	
	25°	2630	930	420	240	103.6	60.3	41.6	
WW	170°	3850	1620	831	540	260	149	101.3	
	30° / 65°	4530	1442	690	399	180.6	102.8	69.3	
	25°	6340	2570	1420	900	430	240	174.5	



4A

Luminous intensity:

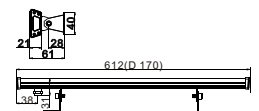
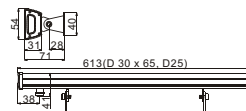
Color	Distance	Distance (m)							
		0.5	1.0	1.5	2.0	3.0	4.0	5.0	
RED	170°	384	120	60	32.3	17	9.9	7.1	
	30° / 65°	2110	920	376	240	117.9	69.7	47	
	25°	3240	1075	572	366	195	123.6	100	
GREEN	170°	63	23	11.5	6.5	3.2	2.7	1.7	
	30° / 65°	344	1142	63.3	39.4	20.2	10.8	8.4	
	25°	4340	1925	1259	922	505	331	228	
BLUE	170°	69	23.5	11.8	7	3.9	1.9	1.8	
	30° / 65°	433	109	61.8	40.2	20.1	11	7.7	
	25°	470	212	141.2	93	50.9	34	24	
RGB	170°	470	163	83.2	47.4	19.1	13.4	10	
	30° / 65°	2860	1170	504	314	155	84	61	
	25°	7000	3050	1931	1376	735	485	397	
CW	170°	1760	740	440	241	135.7	79.4	57.1	
	30° / 65°	1910	1106	645	421	234	149.4	106.8	
	25°	3060	1286	734	470	198	106.5	45.3	
WW	170°	2760	1812	1059	731	416	270	199	
	30° / 65°	4270	1870	1040	650	200	130.7	90.4	
	25°	6430	2720	1656	1186	684	424	283	



13A

Size: 613 x 54 x 71 mm ( D30 x 65, D25 )  
 612 x 51 x 61 mm ( D170 )

Weight: 1.2 kgs



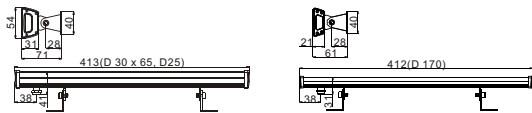
6A

The V Bar features 1W LEDs, and specially treated water-proof extruded aluminum housing (Ip66), it's a ideal tool for any big surface washing where saturated colors, perfect color mixing, and powerful light output are required. The luminaries are deigned by accurate and uniform light distribution. With the latest technology, finest components, and user-friendly power supply /control system, V Bar satisfies all your needs to color your imagination.

V Bar set includes: 1pc x Allen key  
1pc x RJ 45 Splitter

1A

LED Life Expectancy: 50,000hrs  
Beam Angle: 30° x 65°, 25°, 170°  
Available LED Colors: RGB, W ( CW+WW )  
Number of LEDs: 4R, 4G, 4B or 6CW + 6WW  
Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable  
IP Rated: IP 66  
Size: 413 x 54 x 71 mm ( D30 x 65, D25 )  
412 x 51 x 61 mm ( D170 )  
Weight: 1.0kg



3A

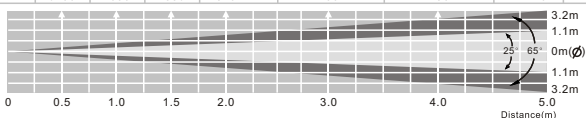
**VB-18:**

Max. Input Current: 350 mA  
Input Voltage: DC 48V  
Power Consumption: 19.6W  
Compatible Power Supply: V Power Series  
LED Emitter: 1W  
LED Life Expectancy: 50,000hrs  
Beam Angle: 30° x 65°, 25°, 170°  
Available LED Colors: RGB, W ( CW + WW )  
Number of LEDs: 6R, 6G, 6B or 9CW + 9WW  
Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable  
IP Rated: IP 66

5A

**Luminous intensity**

Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0	(m)
RED	170°	221	66	30.7	18.4	8.4	5.2	4
	30° /65°	1380	524	267	149.8	69.9	39.6	27.7
	25°	1980	997	502	335	167	98	64.6
GREEN	170°	450	138	63	37	16.7	10	7.3
	30° /65°	2910	1093	558	306	144	78.3	53.3
	25°	4210	1858	1196	814	428	254	171
BLUE	170°	46	13.8	6.4	4	2.1	1.4	1.2
	30° /65°	332	118.6	62	36.3	16.4	9.2	6.3
	25°	698	222	131	84.6	44.5	26.5	18
RGB	170°	672	216	97	59.3	27.1	15.5	11.5
	30° /65°	4650	1750	873	499	223	124	84.9
	25°	5500	2910	1813	1212	626	367	247
CW	170°	2030	850	430	260	117.7	66.3	45
	30° /65°	2650	1025	584	378	196.3	115.4	80.2
	25°	3040	1148	586	346	164.6	92.6	62.3
WW	170°	3950	1600	910	610	310	167.8	133.3
	30° /65°	5300	1943	1004	586	273	134.6	108
	25°	6180	2530	1396	925	480	290	201

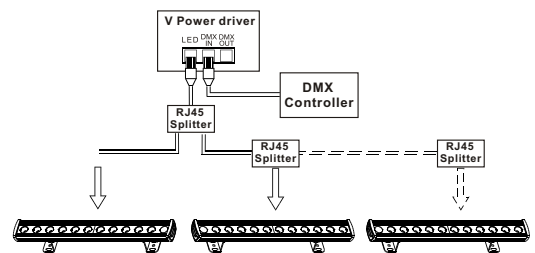


7A

**5. Maintenance**

Clean the front transparent cover at least every 1-2 months. Use a moist, lint-free cloth. Never use alcohol or solvents!

18A



For the number of V Bar projectors that can be linked together, please follow the Maximum power output limit of each zone of the V Power.

16A

**3. Installation**

1. Connect the base to the unit as the diagram show below and screw the screws by the allen key.



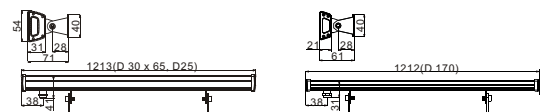
2. Installation the unit with screws at the desired place as below:



14A

Size: 1213 x 54 x 71 mm ( D30 x 65, D25 )  
1212 x 51 x 61 mm ( D170 )

Weight: 2.0 kgs



12A

**VB-36:**

Max. Input Current: 350 mA  
Input Voltage: DC 48V  
Power Consumption: 39.2W  
Compatible Power Supply: V Power Series  
LED Emitter: 1W  
LED Life Expectancy: 50,000hrs  
Beam Angle: 30° x 65°, 25°, 170°  
Available LED Colors: RGB, W ( CW + WW )  
Number of LEDs: 12R, 12G, 12B or 18CW + 18WW  
Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable  
IP Rated: IP 66

11A

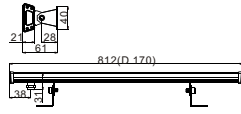
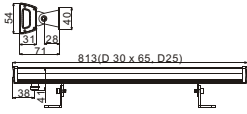
**VB-24:**

Max. Input Current: 350 mA  
Input Voltage: DC 48V  
Power Consumption: 26.1W  
Compatible Power Supply: V Power Series  
LED Emitter: 1W  
LED Life Expectancy: 50,000hrs  
Beam Angle: 30° x 65°, 25°, 170°  
Available LED Colors: RGB, W ( CW + WW )  
Number of LEDs: 8R, 8G, 8B or 12CW + 12WW  
Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable  
IP Rated: IP 66

8A

Size: 813 x 54 x 71 mm ( D30 x 65, D25 )  
 812 x 51 x 61 mm ( D170 )

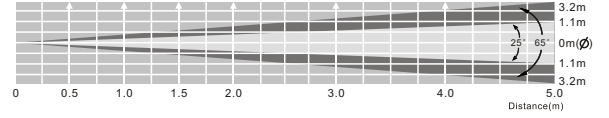
Weight: 1.4 kgs



9A

### Luminous intensity

Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0	(m)
<b>RED</b>								
170°	330	92	45.7	25.7	12.5	7.8	5.7	(lux)
30° / 65°	2490	965	454	266	117	94	47.5	
25°	3250	1022	569	356	188.7	113.3	79.2	
170°	52.3	16.5	8.4	4.9	2.5	1.6	1	(lux)
<b>GREEN</b>								
30° / 65°	350	169	78.1	45.6	20.5	12.5	8.4	(lux)
25°	4500	1793	1258	910	496	313	206	
170°	70.7	19.2	9	5.2	2.6	1.7	1.1	
<b>BLUE</b>								
30° / 65°	459	165	80.6	48.7	23.5	13.6	9.8	(lux)
25°	660	235	138.3	89.5	50.2	32	22.8	
170°	513	126	62.4	35.3	18.8	10.5	7.4	
<b>RGB</b>								
30° / 65°	3220	1290	606	358	147	95	68.4	(lux)
25°	6360	2970	1940	1354	720	451	303	
<b>CW</b>								
30° / 65°	1690	640	340	202	99.6	60.2	39.1	(lux)
25°	2620	920	590	390	210	128.9	92.5	
<b>WW</b>								
30° / 65°	2630	1095	586	362	173.7	101.7	71.7	(lux)
25°	4090	1766	990	640	352	220	158.3	
<b>WHITE</b>								
30° / 65°	4080	1676	903	560	271	165.6	111.5	(lux)
25°	6180	2480	1440	980	550	350	250	



10A