

V Ceiling Series II

User Manual

The V Ceiling II delivers dynamic color changes of full color spectrum with continuously variable intensity. With the standard MR16 & AR11-11 (for V Ceiling 12 II only) fittings, high powered LEDs, and interchangeable optical systems, V Ceiling II can easily achieve the desired effects for a wide range of applications; It's ideal for hotel, club, bar, department store, shop, home, etc

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:

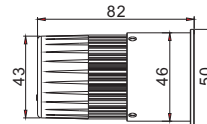
VC-1TC II :

Max. Input Current: 350 mA
 Input Voltage: DC 48V
 Power Consumption: 3.3W
 Number of LEDs: 1 x Tri-color
 LED Emitter: 3W

2-

LED Life Expectancy: 50,000hrs
 Beam Angle: 25°, 40°
 Available LED Colors: RGB (3 in 1)
 Compatible Power Supply: V Power Series
 Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable
 Weight: 0.17 kg
 Size: Ø 50 x 82 mm

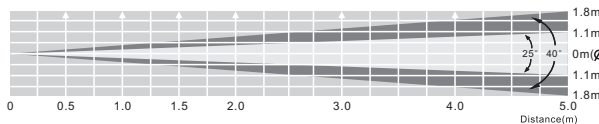
1-



3-

Luminous intensity:

Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0	(m)
RED	40°	529	134	58.8	31.5	4.8	9.2	6.9 (lux)
	25°	690	179.9	80	43.4	19.9	11.6	8.4 (lux)
GREEN	40°	819	211	90.5	49.4	22.6	13.3	9.4 (lux)
	25°	1042	279	119.7	64.9	28.9	16.8	11.5 (lux)
BLUE	40°	123.4	32.3	13.8	7.7	3.6	2.3	1.7 (lux)
	25°	152.7	40.6	17.1	9.6	4.4	2.7	2 (lux)
RGB	40°	1282	332	14.3	78.5	35.8	21.6	15 (lux)
	25°	1670	444	190	104.2	46.5	27.3	18.5 (lux)



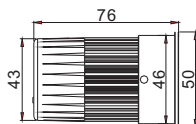
4-

VC-3 II :

Max. Input Current: 350 mA
 Input Voltage: DC 48V
 Power Consumption: 3.3W
 Number of LEDs: 1R, 1G, 1B or 3CW, 3WW
 LED Emitter: 1W
 LED Life Expectancy: 50,000hrs
 Beam Angle: 15°, 25°
 Available LED Colors: RGB, CW, WW
 Compatible Power Supply: V Power Series
 Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable
 Weight: 0.17 kg

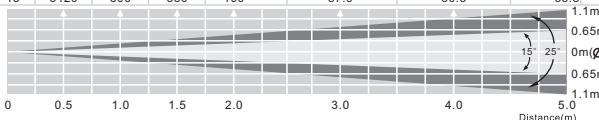
5-

Size: Ø 50 x 76 mm



Luminous intensity:

Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0	(m)
RED	25°	1922	435	190	104.5	49.8	27.8	20.9 (lux)
	15°	2630	640	272	160	77	35	30.4 (lux)
GREEN	25°	750	196	87.8	49.8	22.8	13.4	7.4 (lux)
	15°	1080	261	116	66.3	30.4	16.5	12.7 (lux)
BLUE	25°	380	93	40	33.2	10.7	6.7	4.5 (lux)
	15°	384	102	46	36.5	12.1	6.9	5.1 (lux)
RGB	25°	2930	699	313	167	79.2	45	25 (lux)
	15°	3860	940	437	250	113.5	64.3	39.7 (lux)
CW	25°	3630	900	410	220	90	56.7	40 (lux)
	15°	5940	1620	744	401	183	102	68 (lux)
WW	25°	2800	711	318	178.6	81.7	49.5	33.8 (lux)
	15°	3420	800	350	190	87.6	50.3	35.8 (lux)



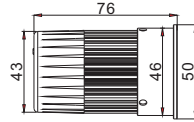
6-

VC-4 II :

Max. Input Current: 350 mA
 Input Voltage: DC 48V
 Power Consumption: 4.5W
 Number of LEDs: 1R, 1G, 1B, 1W
 LED Emitter: 1W
 LED Life Expectancy: 50,000hrs
 Beam Angle: 15°, 25°
 Available LED Colors: RGB, CW, WW
 Compatible Power Supply: V Power Series
 Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable
 Weight: 0.17 kg

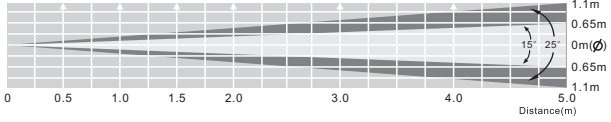
7-

Size: \varnothing 50 x 76 mm



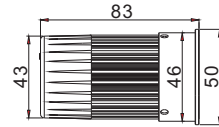
Luminous intensity:

Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0 (m)
RED	25°	1934	480	181	109.8	47	28.3
	15°	2280	500	214	121.7	71.5	67.3
GREEN	25°	657	186	83	46.5	21	12.2
	15°	910	244	105	60.3	27.8	16.4
BLUE	25°	378	106	50.7	27.5	12.8	7.4
	15°	410	115	50.2	29	13.2	7.9
RGB	25°	4470	1129	478	270	118	73.2
	15°	5220	1340	614	345	156.7	90.1



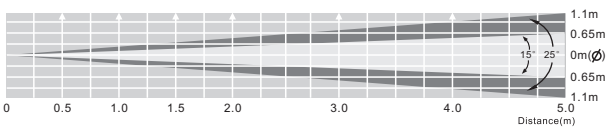
8-

Size: \varnothing 50 x 83 mm



Luminous intensity:

Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0 (m)
RED	25°	1170	274	119.8	67.9	26.8	16.9
	15°	1210	236	114.3	61	29.9	15.2
GREEN	25°	418	93	40.5	22.5	10.1	6
	15°	370	90	38.2	27	9.8	6.1
BLUE	25°	684	147	62.9	34.8	16.7	9.7
	15°	611	153	66	38.7	16.9	10.5
RGB	25°	2180	490	212	122	50.4	31
	15°	2070	467	210	114	52.6	30.8
CW	25°	4510	1054	465	258	113.3	66.2
	15°	6790	1620	670	366	160.1	91.4
WW	25°	3550	880	391	210	91.5	53.5
	15°	3780	933	420	229	103.8	59



10-

VC-6 II :

Max. Input Current: 350 mA
 Input Voltage: DC 48V
 Power Consumption: 6.5W
 Number of LEDs: 2R, 2G, 2B or 6CW, 6WW
 LED Emitter: 1W
 LED Life Expectancy: 50,000hrs
 Beam Angle: 15°, 25°
 Available LED Colors: RGB, CW, WW
 Compatible Power Supply: V Power Series
 Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable
 Weight: 0.17 kg

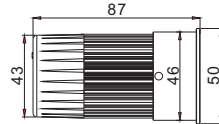
9-

VC-7 II :

Max. Input Current: 350 mA
 Input Voltage: DC 48V
 Power Consumption: 7.7W
 Number of LEDs: 2R, 2G, 2B, 1W or 7CW, 7WW
 LED Emitter: 1W
 LED Life Expectancy: 50,000hrs
 Beam Angle: 15°, 25°
 Available LED Colors: RGB, CW, WW
 Compatible Power Supply: V Power Series
 Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable
 Weight: 0.17kg

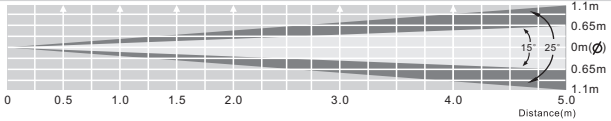
11-

Size: \varnothing 50 x 87 mm



Luminous intensity:

Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0 (m)
RED	25°	1300	373	130	88.5	30.8	23.2
	15°	1650	384	165.7	95.7	41.4	21.4
GREEN	25°	550	126	55.4	31.7	13.4	7.8
	15°	668	163	64.7	36.3	15.2	9
BLUE	25°	625	141	64.3	35.3	16.4	9.3
	15°	738	183.4	73.3	43.9	18.2	11.3
CW	25°	1031	238	99.3	57.3	25.3	14.6
	15°	1096	261	104.1	58.6	26.3	14.4
RGB	25°	3070	810	308	186	81.1	54
	15°	3600	834	365	207	102.3	54.2



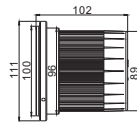
12-

VC-12 II :

Max. Input Current: 350 mA
 Input Voltage: DC 48V
 Power Consumption: 14.2W (WW + CW)
 13.1W (RGB)
 Number of LEDs: 4R, 4G, 4B or 12CW, 12WW or 6CW + 6WW
 LED Emitter: 1W
 LED Life Expectancy: 50,000hrs
 Beam Angle: 15°, 25°
 Available LED Colors: RGB, CW, WW, W (CW + WW)
 Compatible Power Supply: V Power Series
 Power/Data Cable: 1.5m, 24AWG x 4P Cat.5e Cable
 Weight: 0.72 kg

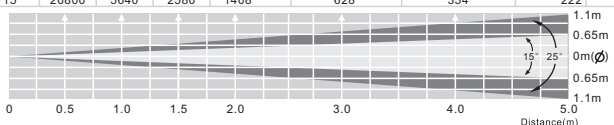
13-

Size: \varnothing 111 x 102 mm



Luminous intensity:

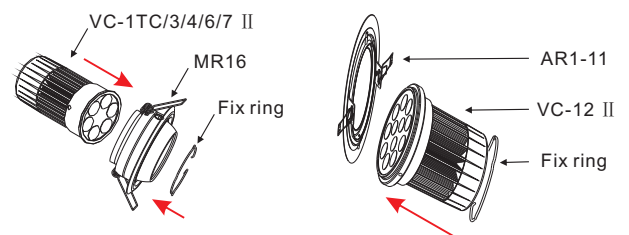
Distance	0.5	1.0	1.5	2.0	3.0	4.0	5.0 (m)
RED	25°	4350	1194	501	293	132.5	73.1
	15°	6420	1590	750	410	190.7	104.7
GREEN	25°	990	276	118.5	69	30.8	17.4
	15°	1400	420	190	100	50.7	27
BLUE	25°	1567	383	167.4	92.6	43.6	23.8
	15°	1800	510	220	120	55.4	32
RGB	25°	6720	1820	779	451	190.6	113.7
	15°	9350	2500	1160	630	275	153
WW	25°	13700	3500	1600	887	394	220
	15°	20500	5600	2400	1300	600	400
CW	25°	14400	3800	1900	1000	440	255
	15°	20800	5640	2580	1408	628	354



14-

3. Installation

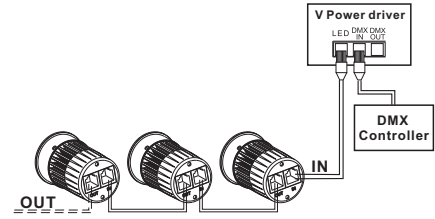
The unit should be installed with MR16/AR11 (option) as the diagram shown below:



15-

4. Connection

The V Ceiling II unit should be connected to the V Power driver. See V Power 60 (or V Power 120 user manual for full details of mains power requirement, built-in programs and DMX operation. Connect the units to the driver with RJ-SP/RJ-C (option).



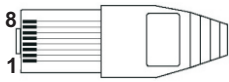
For the number of V Ceiling II projectors that can be linked together, please follow the Maximum power output limit of each zone of the V Power.

16-

17-

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

RJ 45 plug (View facing pins)

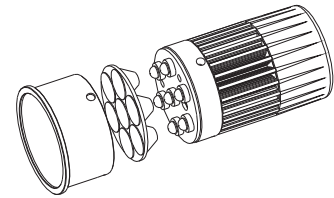


PIN	Color of wire	RGB
1	White/Orange	Red LED +
2	Orange	Green LED +
3	White/Green	Blue LED +
4	Blue	White LED +
5	White/Blue	Red LED -
6	Green	Green LED -
7	White/Brown	Blue LED -
8	Brown	White LED -

18-

5. Change Beam Angle

In the V Ceiling series II , if you want to change the beam angle of fixture, you can change lens of the fixture refer to the photo below:



VC-6 II

19-

6. Maintenance

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

NO.013

20-



Specifications are subject to change without prior notice.