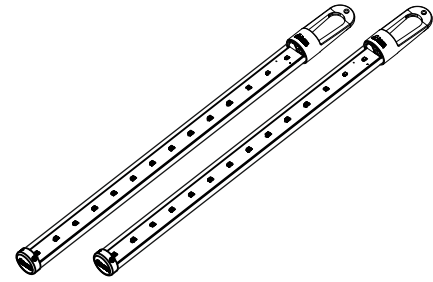## Explanation

3D Vertical Tube RGBW Series are designed 3D visual lighting for night club, atrium shopping center, high ceilinged hotel lobbies atriums and rental companies where high brightness, large color scale and customization are needed. It can be seen with large outlook angle (130°x2) and very lightweight body. 2D objects are converted into 3D objects and effects by pixel mapping and advanced programming technology. 4 colors RGBW per pixel offer vivid color and white content in a single system and intelligent "+White" algorithms allow systems using 3 channels signal to control 4 colors per pixel, this enhances the display quality and improved efficiency. It gives dynamic lighting solutions with its unlimited pixel options, advanced accessories and easy assembly.

Product Specification

Model		VT 50RGBW	VT 100RGBW	VT 150RGBW	VT 200RGBW
Light Source:	56pcs/m High intensity 4 in 1 Chip RGBW LEDs (Double Sided)				
Lumen Maintenance:	60.000+ hours L70 @ 25° C (full output)				
Color Range:	16.7 Million additive RGB colors, white CCT 6500K				
Color Resolution:	4 x 14-bit (Gamma correction)				
Auto White:	Algorithms enable auto control of white LED by 3-channel RGB values				
PWM Frequency:	1,600Hz flicker free dimming to 0.1%				
Viewing Angle:	130°x2				
Luminous Intensity:	Please check IES and LTD files out				
Efficacy (lm/W):	Please check IES and LTD files out				
LED Pitch:	35mm				
Pixel Pitch:	Pixel pitch is configurable via RDM, max 28pixel/m				
Maximum in Chain:	Max 20 meters or 32 pieces (varies by selected dmx personality)				
Operating Voltage:	12VDC ~ 48VDC				
Power Consumption:		10,5W	21W	31.5W	42W
Control Interface:	USITT DMX 512 A				
Addressing:	RDM (Group of Remote Addressable Systems)				
Monitoring:	Voltage Monitoring,Temperature Monitoring, Status Monitoring,Power Cycle Monitoring, Lumen-Maintenance Life Monitoring				
Housing:	Plastic Extrusion Polycarbonate Body				
Environment:	IP65, IK07				
Operating Temperature:	-40°C - 50°C - (-40° - 122° F)				
Storage Temperature:	-40°C - 85°C - (-40°C - 185° F)				
Dimensions (H x W x D):		Ø30x500 mm (Ø1.18x19.7 in)	Ø30x1000 mm (Ø1.18x39.4 in)	Ø30x1500 mm (Ø1.18x59 in)	Ø30x2000 mm (Ø1.18x78.7 in)
Weight:		0.444kg (0.98lb)	0.479kg (1.05lb)	0.521kg (1.14lb)	0.487kg (1.07lb)
Certification:	EU Safety: EN 60950-22:2006 + AC: 2008, EN 60950-1:2006+A2:2013, EN 62262:2002				
	EU EMC: EN 55024:2010/A1:2015, EN 55032:2015/AC:2016-07, -EN 61000-4-3, EN 61000-4-4, EN 61000-4-6, EN 61000-4-8				
	US Safety: UL 60950-22, UL 60950-1				
	US EMC: FCC Part 15 Class A				

Dimension

500mm / 18.68"
VT50-RGBW 3D Vertical Tube

1000mm / 39.37"
VT100-RGBW 3D Vertical Tube

1500mm / 59.05"
VT150-RGBW 3D Vertical Tube®

2000mm / 78.07"
VT200-RGBW 3D Vertical Tube

35mm 1.37"
30mm 1.18"