

RoscoLED[®] Tape VariColor RGB+W

Thin, flexible exterior white and color changing LED tape with flicker-free 0 – 100% dim that is available in RGB and CW (6000K) or RGB and WW (3000K), and provides 1440 lm per 1 m (3.28 ft). Tape is 12 mm (0.5 in) wide, and available in 5 m (16.4 ft) lengths with cut points every 125 mm (4.92 in). Tape is controllable via DMX, Dali or 4 channel 0-10 VDC input.

General

1. Luminaire shall be an LED tape RGBW color-changing capability. The luminaire shall be RoscoLED Tape VariColor RGBW with power and control accessories as manufactured by Rosco Labs, Inc.
2. Luminaire shall be 12mm (0.5 in) wide and come on a 5 m (16.4 ft) roll.
3. Luminaire shall be field cuttable every 125 mm (4.92 in).
4. Luminaire shall have a hard-wired, multi-pin connector, or an optional hard-wired, pigtail.
5. Luminaire shall be UL Listed, CE Certified, and RoHS Compliant.

Physical

6. Luminaire shall be constructed of 3 oz flexible copper circuit board with SMD 2835 LED packages and VHB adhesive backing.
7. Luminaire shall have 48 RGB + 48 W LED (CW or WW) modules in every 1 m (3.28 ft) of length.
8. Luminaire shall be 12 mm x 1 mm x 5 m (0.5 in x 0.04 in x 16.4 ft).
9. Luminaire shall have cut points every 125 mm (4.92 in).
10. The following shall be included:
 - a. Luminaire with multi-pin connector.

Optical

11. Output shall be 1440 lumens per meter.
12. White color temperature shall be either 6000K or 3000K.
13. Native beam angle shall be 120-degrees.

RoscoLED[®] Tape VariColor RGB+W

Environmental and Agency Compliance

14. Luminaire shall be UL Listed.
15. Luminaire shall be CE compliant.
16. Luminaire shall be RoHS compliant.
17. Luminaire shall be rated IP43 for Indoor use or IP65 for Outdoor use.

Thermal

18. Luminaire shall operate in an ambient temperature range of -4° F min to 140° F max (-20° to 60° C).

Electrical

19. Luminaire shall be equipped with either an insulated, hard-wired multi-pin Chogori connector, or an optional insulated, hard-wired pigtail.
20. Input voltage shall be 24 VDC.
21. Luminaire shall consume no more than 23w per 1 m (3.28 ft), 115w per 5 m (16.4 ft).

LED Emitters

22. Emitters shall be SMD2835(RGB) and SMD5050 (CW or WW).
23. Peak Wavelengths shall be: Blue – 459nm, Green – 517nm, Red – 631nm.
24. Lumen Maintenance shall be > 47,000 hours L70 at 105C (IESNA LM-80-08 Standard).

Control and Dimming

25. Color shall be set by DMX control, Dali control or 4 channel 0-10VDC input.
26. Luminaire shall be dimmable by DMX controller, Dali controller or 4 channel 0-10VDC input.
27. Dimming shall be flicker-free, 0 – 100%.
28. Dimming control shall be achieved with the RoscoLED[™] Control Box, Variable PWM DMX Decoder or equivalent, Dali controller or a 0-10VDC input device.

Specification Ordering Example for RoscoLED Tape VariColor RGB+W

Product ordering information can be found at this URL: <http://www.rosco.com/product/>
The product numbers for ordering RoscoLED Tape VariColor RGB+W are listed below.

293 22125 0005	RoscoLED Tape VariColor/RGB+CW (6000K)	293 22214 0000	RoscoLED VariColor Cable Splitter
293 22126 0005	RoscoLED Tape VariColor/RGB+WW (3000K)	293 22270 0001	RoscoLED VariColor Control Box/400W
293 22203 1001	RoscoLED VariColor Cable - 1M	293 22261 0001	RoscoLED DMX Decoder 5 x 8A, Var. PWM
293 22203 1002	RoscoLED VariColor Cable - 2M	293 22262 0000	RoscoLED Power Supply 24V x 350w
293 22203 1003	RoscoLED VariColor Cable - 3M		
293 22203 1005	RoscoLED VariColor Cable - 5M		

If there are questions, contact Rosco Customer Service: CTOrders@rosco.com

Table Specification for RoscoLED® Tape VariColor RGB+W

Type ID	Qty	Description	Manufacturer	Alternate Manufacturer	Light Source / Power Source			Control
					Color Temp.	LED Type	Watts/Volts	
		0.5 in (12 mm) flexible interior or exterior rated LED Tape with RGB and CW or WW color-changing capability DMX, Dali or 0-10V control, and cut points every 125 mm (4.92 in)	Rosco Labs		White and color-changing	48 SMD2835 (RGB) and 48 SMD5050 CW or WW modules	23w per 1 m (3.28 ft), 115w per 5 m (16.4 ft)	DMX with 5-pin into RoscoLED Control Box, RoscoLED Var. PWM DMX decoder, Dali controller or a 0-10VDC input device
Comments								
Tape can be installed into various aluminum profiles.								