RoscoLED® Tape VariColor RGBA

Thin, flexible interior or exterior color changing LED tape with flicker-free 0 – 100% dim, RGBA integrated LED nodes, and 1250 lm per 1 m (3.28 ft). Tape is 19 mm (0.75 in) wide, and available in 5 m (16.4 ft) lengths with cut points every 100 mm (3.94 in). Tape is controllable via DMX, Dali or 4 channel 0-10 VDC input.

General

1. Luminaire shall be an LED tape RGBA color-changing capability. The luminaire shall be RoscoLED Tape VariColor/RGBA with power and control accessories as manufactured by Rosco Labs, Inc.

2. Luminaire shall be 19mm (0.75 in) wide and come on a 5 m (16.4 ft) roll.

3. Luminaire shall be field cuttable every 100mm (3.94 in).

4. Luminaire shall have a hard-wired, multi-pin Chogori 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 2 oz flexible copper circuit board with SMD 2835 LED packages and VHB adhesive backing.

7. Luminaire shall have 48 each Red, Green, Blue, Amber LED modules in every 1 m (3.28 ft) of length.

8. Luminaire shall be 19 mm x 1 mm x 5 m (0.75 in x 0.04 in x 16.4 ft).

9. Luminaire shall have cut points every 100 mm (3.94 in).

10. The following shall be included:
    a. Luminaire with multi-pin connector.

Optical

11. Output shall be 1250 lumens per meter.

12. Native beam angle shall be 120-degrees.

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Environmental and Agency Compliance

13. Luminaire shall be UL Listed.

14. Luminaire shall be CE compliant.

15. Luminaire shall be RoHS compliant.

16. Luminaire shall be rated IP43 for Indoor use or IP65 for Outdoor use.

Thermal

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

Electrical

18. Luminaire shall be equipped with either an insulated, hard-wired multi-pin Chogori connector, or an optional insulated, hard-wired pigtail.

19. Input voltage shall be 24 VDC.

20. Luminaire shall consume no more than 38.4w per 1 m (3.28 ft), 192w per 5 m (16.4 ft).

LED Emitters

21. Emitters shall be Double Line SMD2835.

22. Peak wavelengths shall be: Blue – 459nm, Green – 517nm, Amber – 596nm, Red – 631nm.

23. Lumen Maintenance shall be > 47,000 hours L70 at 105C (IESNA LM-80-08 Standard).

Control and Dimming

24. Color shall be set by DMX control, Dali control or 4 channel 0-10VDC input.

25. Luminaire shall be dimmable by DMX control, Dali control or 4 channel 0-10VDC input.

26. Dimming shall be flicker-free, 0 – 100%.

27. Dimming control shall be achieved with the RoscoLED Control Box, RoscoLED Variable PWM DMX Decoder or equivalent, Dali controller or a 0-10VDC input device.

Specification Ordering Example for RoscoLED Tape VariColor RGBA

Product ordering information can be found at this URL: **http://www.rosco.com/product/**
The product numbers for ordering RoscoLED Tape VariColor RGBA are listed below.

293 22125 0007   RoscoLED Tape VariColor RGBA - 5M Reel
293 22203 1001   RoscoLED VariColor Cable - 1M
293 22203 1002   RoscoLED VariColor Cable - 2M
293 22203 1003   RoscoLED VariColor Cable - 3M
293 22203 1005   RoscoLED VariColor Cable - 5M

293 22214 0000   RoscoLED VariColor Cable Splitter
293 22270 0001   RoscoLED VariColor Control Box/400W
293 22261 0001   RoscoLED DMX Decoder 5 x 8A, Var. PWM
293 22262 0000   RoscoLED Power Supply 24V x 350w

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

Table Specification for RoscoLED® Tape VariColor RGBA

| Type ID | Qty | Description | Manufacturer | Alternate Manufacturer | Light Source / Power Source | | | Control |
					Color Temp.	LED Type	Watts/Volts	
		19 mm (0.75 in) flexible interior or exterior rated LED Tape with RGBA color-changing capability DMX, Dali or 0-10V control, and cut points every 100 mm (3.94 in)	Rosco Labs		color-changing	SMD2835, 48X R/G/B/A modules per 1 m (3.28 ft) of tape	38.4w per meter (3.28 ft), 192w per 5 m (16.4 ft)	DMX with 5-pin into Control box, RoscoLED Variable PWM DMX Decoder, Dali or other controller, or a 0-10VDC input device
Comments								
Tape can be installed into various aluminum profiles.								