RoscoLED® Tape VariWhite

Thin, flexible interior or exterior LED tape with flicker-free 0 – 100% dim, variable white color temperature from 1800K to 6000K or from 3000K to 6000K, CRI and TLCI greater than 90, and 1500 lm per meter (3.28 ft). Tape is 12 mm (0.5 in) wide, and available in up to 5 m (16.4 ft) lengths with cut points every 3.94 in (100 mm).Tape is controllable via DMX, Dali or 2 channel 0-10 VDC input.

General

1. Luminaire shall be an LED tape with variable color temperature from 1800K to 6000K. The luminaire shall be RoscoLED Tape VariWhite 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 have cut points every 100 mm (3.94 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 120 LED modules in 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 be field cuttable every 100 mm (3.94 in).

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

Optical

11. Output shall be 1500 lumens per meter.

12. Color temperature range shall be from 1800K to 6000K or from 3000K to 6000K.

13. CRI> 90, typically 93.

14. TLCI = 92.

15. Native beam angle shall be 120-degrees.

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Environmental and Agency Compliance

16. Luminaire shall be UL Listed.

17. Luminaire shall be CE compliant.

18. Luminaire shall be RoHS compliant.

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

Thermal

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

Electrical

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

22. Input voltage shall be 24 VDC.

23. Luminaire shall consume no more than 19w per 1 m (3.28 ft), 95w per 5 m (16.4 ft).

LED Emitters

24. Emitters shall be SMD2835: 60 each 1800K and 6000K per 1m (3.28 ft), or 60 each 3000K and 6000K per 1m (3.28 ft).

25. Color temperature shall be variable from 1800K to 6000K or 3000K to 6000K.

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

Control and Dimming

27. Color temperature shall be set by DMX control, Dali control or 2 channel 0-10VDC input.

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

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

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

Specification Ordering Example for RoscoLED Tape VariWhite

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

293 22120 0005 RoscoLED Tape VariWhite: 3000K-6000K - 5m Reel
293 22120 0006 RoscoLED Tape VariWhite Ultra: 1800K-6000K - 5M Reel
293 22202 1001 RoscoLED Tape VariWhite Cable - 1M
293 22202 1002 RoscoLED Tape VariWhite Cable - 2M

293 22202 1003 RoscoLED Tape VariWhite Cable - 3M
293 22202 1005 RoscoLED Tape VariWhite Cable - 5M
293 22212 1000 RoscoLED Tape VariWhite Cable Splitter
293 22260 0001 RoscoLED VariWhite 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 VariWhite

Type ID	Qty	Description	Manufacturer	Alternate Manufacturer	Light Source / Power Source			Control
					Color Temp.	LED Type	Watts/Volts	
		12 mm (0.5 in) flexible interior or exterior rated LED Tape with > 90 CRI and TLCI, variable white, DMX, Dali or 0-10VDC control, and cut points every 100 mm	Rosco Labs		1800K to 6000K or 3000K to 6000K	SMD2835, 120 modules per 1 m (3.28 ft) of tape	19w per meter, 95w per 5 m (16.4 ft)	DMX with 3-pin into Control box, RoscoLED Var. PWM DMX Decoder, any DMX other controller, any Dali controller or any 0-10VDC 2 channel control
Comments								
Tape can be installed into various aluminum profiles.								