

Rania Tape Light

PRODUCT DESCRIPTION

Rania tape lights are offered in 16.4 ft (5 m) and 98.4 ft (30 m) spools to complete any lighting design project.

A complete Rania tape light solution consists of field-cutable LED tape, a wireless controller with integrated LED drivers, high-reliability punch connectors, dedicated wiring, and a power interface. For an added level of quality, install the tape light inside Lutron LED tape extrusions.

FEATURES

Natural Light—Rania leverages a breakthrough three-channel solution and state of the art color mixing technology to deliver a wide CCT range and replicates natural light more faithfully than any light source other than Ketra.

Natural Show—The Rania fixtures' wide color temperature range and native control enables it to participate in Lutron's Natural Show. Natural show automatically adjusts the intensity and color temperature of the light over the course of the day. It can be used to bring the outside in by matching outdoor light - from the cool bright light at noon to the warm lower light in the evening.



Rania Tape Light

HIGH OUTPUT	
Delivered Lumens ¹	350 lm/ft
Delivered Output (Light Transmission)	76 lm/W
Power Consumption	4.6 W/ft (15.3 W/m)
Maximum Tape Length per Power Interface	16.4 ft (5 m)

¹ Lumen measurement complies with IES LM-79-08 testing procedures.

SPECIFICATIONS¹

Optical Performance

CRI (Ra)	>90 (R9>90) from 2,700 K to 5,000 K
Lumen Maintenance ²	50,000 hours to L70 @ 25 °C T _A
Color Point Range	1800 K - 5500 K
Dimming Protocol	Wireless RF/CCX (Lutron Clear Connect-Type X)
Dimming Range	0.1-100%

Environmental

Ambient Temperature	32 °F to 104 °F (0 °C to 40 °C)
Extended Ambient Temperature	-32 °F to 32 °F (-35 °C to 0 °C) ³
Humidity	0% to 95% non-condensing
Certification	UL, cUL, RoHS, FCC Class B, Title 24 [JA8]
Location	UL Indoor damp/dry location Wardrobe closet rated
Outdoor/Indoor	Outdoor use available for residential enclosed/covered patio applications
Warranty	5 year fixture, LED, and dimming warranty

Mechanical

Mounting Options	Tapes can also be mounted using Lutron extrusions. Refer to LED Tape Extrusions Spec (P/N 3691292) for the list of all extrusions supplied by Lutron
Backing	Strong VHB Adhesive

Dimensions

Tape Length	Available in 16.4 ft (5 m) and 98.4 ft (30 m) versions
Cuttable Section	2.2 in (55.8 mm)
Tape Width	0.39 in (10 mm)
Tape Height	0.05 in (1.2 mm)

Electrical

Voltage	24 V ⁻⁻⁻
Power Consumption	4.6 W/ft (15.3 W/m)
Maximum Tape Length per Power Interface	16.4 ft (5 m)

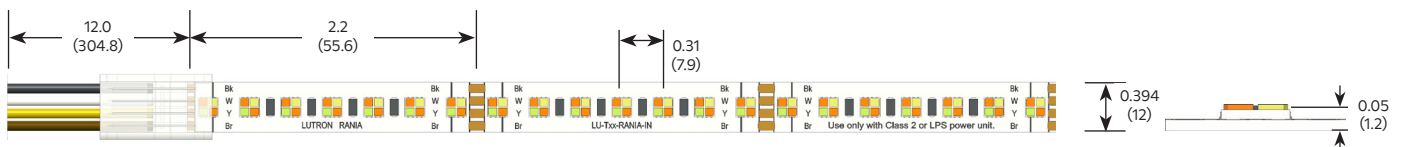
Compatible Devices and Hardware

Please see Tape Light Solution Spec Submittal (P/N 3663141) at www.lutron.com

¹ All measurements are considered typical performance and were taken at 3000 K, 25 °C ambient, 100% power input, no optical accessory unless otherwise stated.
² Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant measurement data.
³ Color accuracy not guaranteed in Extended Ambient Temperature range in outdoor applications.

Dimensions

All dimensions shown as: in (mm)



CAUTION: Overheating Risk. May result in moderate injury or product damage. Do not power the LED tape while coiled, on a spool, or directly to 120 V~ power. Unroll or install before applying power.