

# Rania Natural White Tape Light

## PRODUCT DESCRIPTION

A complete Rania natural white tape light solution consists of field-cuttable 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.

High-output tape lights are offered in 16.4 ft (5 m) and 98.4 ft (30 m) spools and long run tape lights are offered in 32.8 ft (10 m) and 98.4 ft (30 m) spools to complete any lighting design project.



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## 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.

HIGH-OUTPUT	
Delivered Lumens <sup>1</sup>	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)

LONG RUN	
Delivered Lumens <sup>1</sup>	200 lm/ft
Delivered Output (Light Transmission)	76 lm/W
Power Consumption	2.6 W/ft (8.6 W/m)
Maximum Tape Length per Power Interface	32.8 ft (10 m)

<sup>1</sup> Lumen measurement complies with IES LM-79-08 testing procedures.

## SPECIFICATIONS<sup>1</sup>

### Optical Performance

CRI (Ra)	>90 (R9>90) from 2,700 K to 5,000 K
Lumen Maintenance <sup>2</sup>	50,000 hours to L70 @ 25 °C T <sub>A</sub>
Color Point Range	1,800 K - 5,500 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) <sup>3</sup>
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	High-Output: 16.4 ft (5 m) and 98.4 ft (30 m) versions Long Run: 32.8 ft (10 m) and 98.4 ft (30 m)
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 <sup>==</sup>
Power Consumption	High-Output: 4.6 W/ft (15.3 W/m) Long Run: 2.6 W/ft (8.6 W/m)
Maximum Tape Length per Power Interface	High-Output: 16.4 ft (5 m) Long Run: 32.8 ft (10 m)

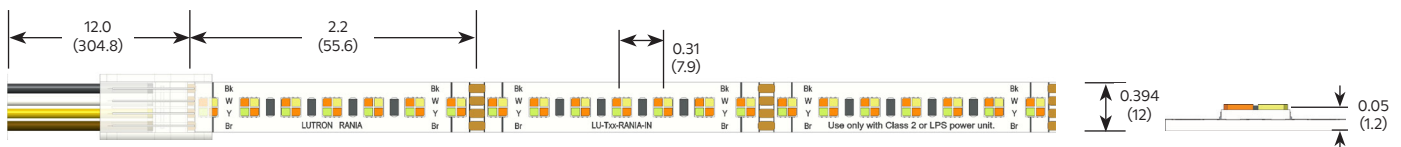
### Compatible Devices and Hardware

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

- <sup>1</sup> All measurements are considered typical performance and were taken at 3,000 K, 25 °C ambient, 100% power input, no optical accessory unless otherwise stated.  
<sup>2</sup> Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant measurement data.  
<sup>3</sup> 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.