

PIXEL NEON ROPE

LUMIROPE™ 270° PIXEL HD NEON ROPE

Touring-grade pixel neon with seamless 270° diffusion.

High-density WS2811-driven SMD 5050 RGB pixel neon rope. **96 LEDs per meter** with 6 LEDs per pixel deliver ultra-smooth diffusion with no visible stepping between individually addressable pixels. 20mm round profile with 270° silicone diffuser — the touring-grade

- WS2811 IC, individually addressable pixels
- SMD 5050 RGB, 6 LEDs per pixel
- 20mm round flexible silicone housing
- Compatible with KG3 PXL CTRL system
- Works with KG3 Magic Controllers
- Rigging options available

PRODUCT PHOTO

See <https://kg3.io/product-detail-lumiropo-270.html> for product imagery.

270°

BEAM ANGLE

96/m

LEDS PER METER

16/m

PIXELS PER METER

21 W/m

POWER (MAX)

24 VDC

INPUT VOLTAGE

PIXEL VS LED

Each **pixel** is the smallest controllable segment. Each pixel contains **6 LEDs**, delivering dense, even illumination within every addressable zone. At **16 pixels/m** and **96 LEDs/m**, this configuration yields a 62.5mm pixel pitch — smooth gradients, no visible segment boundaries at any run length.

AVAILABLE LENGTHS FOR RENTAL

3m

9.8 ft

5m

16.4 ft

10m

32.8 ft

Custom lengths and quantities available upon request.

PHYSICAL SPECIFICATIONS

Profile	20mm Round
Housing	270° Diffused Silicone
Max Run Length	10 m
Connections	PXL CTRL System
Viewable Angle	270°
IP Rating	IP68
Cut Increment	62.5 mm

ELECTRICAL SPECIFICATIONS

IC / Driver	WS2811
LED Type	SMD 5050 RGB
Input Voltage	24 VDC
Power Draw (Max)	21 W/m
Pixel Pitch	62.5 mm
LED Pitch	10.4 mm
LEDs per Pixel	6

CONTROLLER COMPATIBILITY

KG3 24V PXL CTRL

sACN, Art-Net, or DMX control for full show integration

KG3 MAGIC CONTROLLERS

Remote control and WLED configuration for standalone or wireless operation