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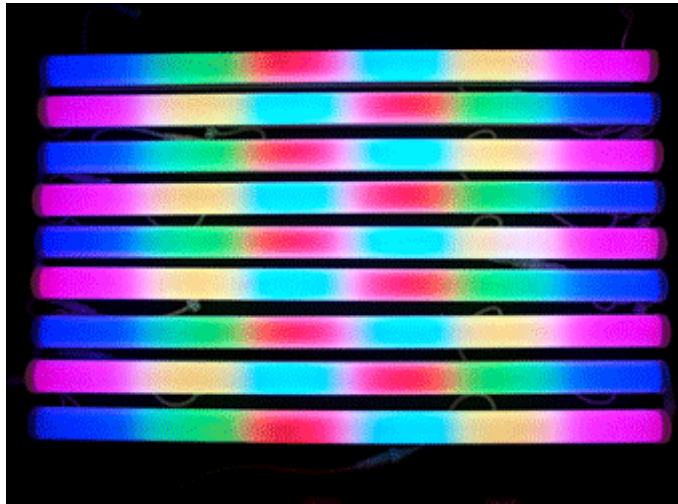
## LED SERIES

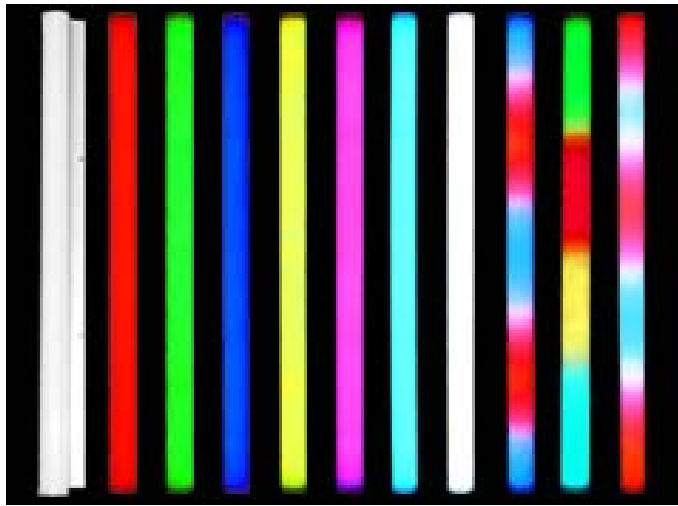
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### DYNAMO

Ultra Advanced RGB LED Tube

COLOR \* TEXT \* GRAPHICS \* ANIMATION \* VIDEO





Imagine being able to change color, create patterns and move them along a tube. Now you can with the aptly named **DYNAMO**. Instead of neon or fluorescent, an array of LEDs fills each tube. It looks like neon or fiber optics, yet it does much more.

The **DYNAMO** instantly comes to life with flowing, ebbing streams of colored light. Custom patterns run automatically or are triggered from existing control systems. Visual effects that were previously impossible are now simple to create and control.

Each section contains individually controllable pixels comprised of red, green, and blue LEDs. Pixels can be uniform for a solid color effect or different to create color patterns. Color patterns can move at varying speeds and continue through linked units.

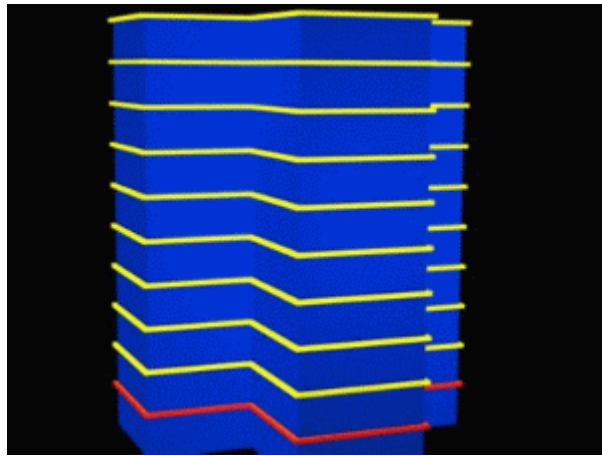
The **DYNAMO** enables direct DMX input for professional programming and control of vibrant color patterns and dynamic visual effects. Through mere change of the internal control module, The **DYNAMO** morphs into **Dynamo Pixel** which puts out video displays via dedicated PC interface. **DYNAMO** contains a row of 48 pixels throughout the length of 1 meter. The **DYNAMO** uses 6 DMX channels to exploit the maximum out of the tube creating unbelievable effects!

The **DYNAMO**® lighting effect is powered by LED technology which offers:

- Ultra-long lamp life**
- Minimal maintenance**
- Low heat emission, No UV and IR**
- Low power consumption**
- Easy installation**

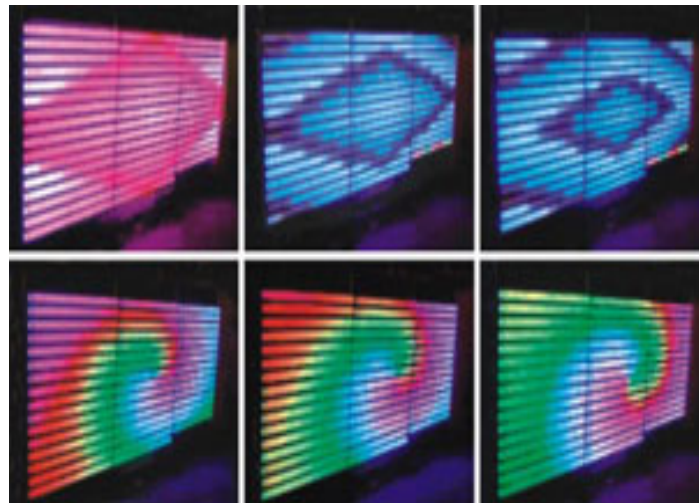


**ADVERTISING \* PROMOTION \* ARCHITECTURAL \* DISPLAY \*  
ENTERTAINMENT \* RETAIL \* SIGNAGE**

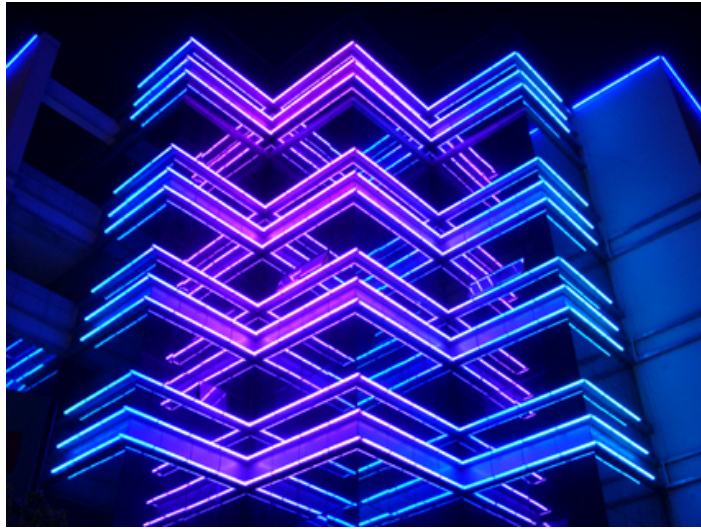


### FEATURES

- LED environment-friendly long life light source**
- Advanced RGB color-mixing technology**
- Energy efficiency (maximum 16.8 W per meter)**
- Resistance to direct sunlight**
- Intelligent control system for lighting effects**
- No additional power or control boxes required with the unique built-in power + data unit**
- Intelligent auto-protect function**
- Durable enclosures made of selected materials**
- Virtually no gap when units are butted end to end**



### TECHNICAL DATA



**Tube Diameter:** 50 mm (5cm)

**Tube Length:** 1 meter (100cm)

**Dimensions:** L1000 x W50 x 75mm

**Weight:** 1.3 kgs

**Voltage:** AC 80 V - 240 V; Inside power supply :12 v

**Current:** 20-25 mA

**Counter current:** 5 uA

**Frequency:** 50/60 Hz

**Power:** 16.8 W maximum, 1.4A

**Environment temperature:** -40 C to 80 C degrees

**Number of LEDS:** 144 maximum

**LED bulbs:** RGB color mixing (48 Red, 48 Green, 48 Blue)

**Life Span:** 100,000 hours

**Controlling mode:** dynamic or static

**Control:** DMX512 in DMX mode or dedicated PC for Pixel.

**DMX Channels:**

DMX Channel 1: Red,

DMX Channel 2: Green,

DMX Channel 3: Blue,

DMX Channel 4: Pixel control pixel grouping and pixel colors (mono,

multicolor and rainbow effect),

DMX Channel 5: Speed and organic flow direction,

DMX Channel 6: Chase mode selection from multiple patterns

**Colors:** red, yellow, white, purple, orange, green, blue or changeable

**Color change:** RGB color mixing, solid state, no motors!

**Brightness:** Red: 700-1300 mcd; blue: 465-474 mcd; green: 1500-3000 mcd

**Wavelength:** Red: 625-640 nm; Blue: 465-474 nm; Green: 515-524

**Beam Angle:** >110 degrees

**Working environmental temperature:** -40 C to 80 C

**Housing:** Aluminum

**Tube composition:** clear or milky white optically diffused polycarbonate (PVC)

**IP Rating:** IP 65 <http://www.articulight.com/acc/IPRatings.html>

**CE approved:** Yes

**Signal Amplifier:** already set inside the tube

**Power Supply:** already set inside the tubes

**DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.**