Strip

Multicolored Digital Led Strip

For dynamic communication, create lighted animations in-store, in display windows or on signs.
Each LED can be directly addressed by a controller in order to set its color and brightness. This allows you to easily create movements and to create the illusion of moving lights. A variety of controller models allows you to either display preprogrammed animations or to first create your animations on a PC and then store them on a memory card for display. Placing strips side by side in sufficient number allows you to create a screen on which you can display video sequences (once they have been adjusted to the screen's format).
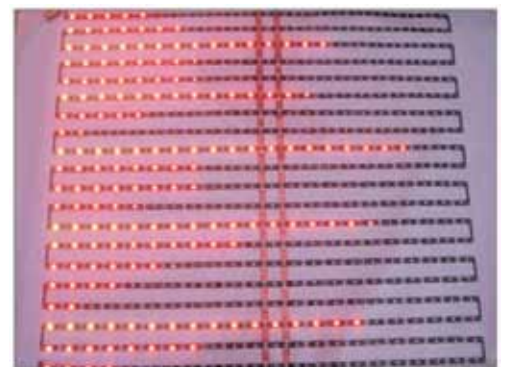
Technical Characteristics

LED Strip
Digital, high-intensity RGB multicolored CMS LEDs.
LED with built-in microcontroller
• Power Supply 5 V DC
• Power: 7.2 W/m
• Strip dimensions: thickness= 3mm , width= 10mm
• Can be cut after each LED, but only on the inter-LED connection area.
• Available densities:
  RAFP20 = 24 LEDs / meter
  RAFP40 = 48 LEDs / meter
• Projection angle 120°
• 256 shades of gray
• 32 brightness settings
• Protection via waterproof silicon tubing IP66 (powerful water jet).
• 4-pin connector with locking mechanism at male and female ends
• LED lifetime of over 30,000 hours

Color	Red / Green / Blue
Luminance	R= 1650mcd, G=1650mcd, B=500mcd
Power / LED	0.3W
Brightness / meter	1400mA max /5V

Installation and Usage Instructions

LED-strip Preparation
• Do not fold strips edgewise.
• Do not exceed a radius of curvature beyond 3cm
The strip is IP66-level water resistant. Do not submerge the strip.

Connections: Connect the LED strip to your controller. In order to lengthen your LED strip, connect the end of the first strip to the beginning of the next and connect an additional power supply to the extension. If you lengthen the cable, make sure to maintain the order of the connections as indicated on the strip: +5V, Data, Clock, GND
Then connect the controller to the 5V power supply using the appropriately colored wires:
• Black wire connects to GND (-5V);
• Red wire connects to +5V

Products meet the following standards: UL   RoHS CE Subject to modification without prior notice

Controllers:

CPA256 BP
Controls up to 256 LEDs
10 preprogrammed color effects can be activated in order
by pressing the central button.

CPA256 IR
Controls up to 256 LEDs (equivalent to 10m of strips).
Creates 27 preprogrammed color effects, changeable
via credit-card-sized infrared remote control.

CPA4096SD
Controls up to 4096 LEDs.
Includes an SD-format memory card reader. The memory card includes color-
management software for PC (Win XP, Vista, 7). Create your animations and color
effects on a PC and store them on an SD memory card for display.

CPA3072R (Contrôleur/ Répéteur)
PC to digital LED communication interface .
Communicates via an RJ45 network cable with a PC running the LED Studio software.
Internal 220V power supply. Each controller can address a maximum of 3072 pixels.
To control a greater number of pixels, it can be connected to an additional controller
via a networking cable. RJ45 Network I/O cable, Inputs: LED +v, Data, Clock, 0V.
Dimensions: 16x15x5cm, Weight 1Kg, Metal case.

CPA803TB
Controleur to carte memoire SD pour gérer plus de 3072Pix.
Communicates via an RJ45 network cable with a PC running the LED Studio software as well
as with additional CPA3072R repeaters. Can address a maximum of 3072 pixels. To control a
greater number of pixels, it can be connected to an additional controller via a networking
cable. (44 repeaters max.)
An LCD screen and 4 buttons allow you to modify certain settings: displayed file, speed,
brightness. Internal 220V power supply, RJ45 Network I/O cable, Input LED +v, Data, Clock, 0V.
Dimensions: 18x15x5cm, Weight 1Kg, Metal case.

Alimentations :
• Power Supplies 220Vac >> 5Vdc
• Input 100 to 240Vac – 50/60Hz
• Output 5Vdc +/-5%; Power-surge and short-circuit protections
• Operating temperature 0 to +50°C , Humidity < 90%, MTBF 50 000 Hours
• Meets EN60950 safety standards; UL, GS, FCC, CE
• Power-supply cable length: Input 220V – 1 meter;
• Output 5V – 0.2 meter

1) Power Supply for 3 meters of LEDs: ref A5 Output 5V-5A
• Dimensions: 120x52x 32mm, Weight 200g,
2) Power Supply for 9 meters: ref A40 Output 5V-40A
• Dimensions: 05x120x50mm, Weight 900g

Warranty:
Equipment guaranteed against manufacturing defects for one year from date of purchase, by return-
merchandise authorization. Warranty is void if the assembly instructions have not been followed.
GS CCC   FCC UL