DiGi LED Strip Multi Color RGB 24V

The DiGi LED Strip Multi Color RGB 24V is engineered for high-impact indoor environments. This robust and flexible lighting solution is designed to perform in demanding interior conditions while providing a seamless experience layer of patterns and motion. Custom length options and a flexible PCB allow the light to effortlessly follow organic shapes and intricate architectural outlines.

With options for either high-density or long-run pixel lengths, it is the ideal choice for enhancing architectural forms with bold light effects. The 24V system is built for consistency and efficiency, offering a reliable, long-term solution that maintains its integrity in professional commercial and residential settings.

- Optimized for Scalable Resolution — Offers configurations from 12 to 60 pixels per meter, providing the flexibility to balance between extreme detail and long data run lengths of up to 37 meters.
- Precise Integrated Control — Features 8 bit dimming and a 120° beam angle for accurate light effects and smooth transitions, fully compatible with SPI control protocols.

CE RoHS IP20



Specifications

General

Pixel Pitch Variant	16	83
Power Consumption (W/m)	14,4	16,8
Input Voltage (V DC)	24	
LEDs (/m)	60	72
LED Pitch (mm)	16,67	13,89
Pixels (/m)	60	12
Pixel Pitch (mm)	16,67	83,33
Channels (/m)	180	36
Beam Angle (°)	120	
LED Type	3in1	
Color Range	RGB	
LEDs (/segment)	6	
Control	SPI (WS2813A)	SPI (TM1804)
Dimming	8 bit	

Installation Conditions & Lighting Data

Segment Length (mm)		100		83,33
Maximum Run Length Power[1] (m)	Single Feed	10		5
	Double Feed	20		10
Maximum Run Length Data[1] (m)		16mm	@30fps	14
			@50fps	9
		83mm	@30fps	37
			@50fps	22
Lumen Maintenance Calculated Hours (h)				

[1] More details can be found in the Installation Guide document.

Operating

Environment	Indoor
Installation Temperature (°C)	-40 to +80
Working Temperature (°C)	-25 to +60
IP Rating	IP20
Certification	CE, RoHS
Warranty	2 Years

Physical

PCB Material	Copper	
Cable Material	PVC	
PCB Color	16mm	White
	83mm	Black
Connector Type	Bare Wires	
Weight (kg/m)	0,035	
Dimensions WxH (mm)	12 x 2,1	
Length (mm)	5000 (Custom on Request)	

Options

Pixel Pitch Variant

- ☐ 16mm
- ☐ 83mm

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Lighting Specifications

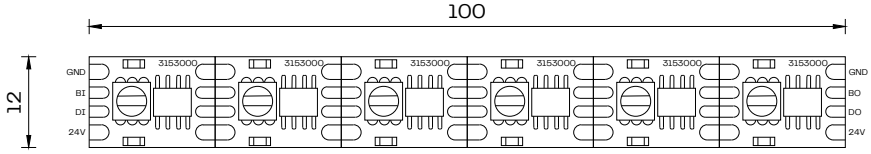
DiGi LED Strip

	Full RGB (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)
RGB 16mm	294	68	182	55
RGB 83mm				

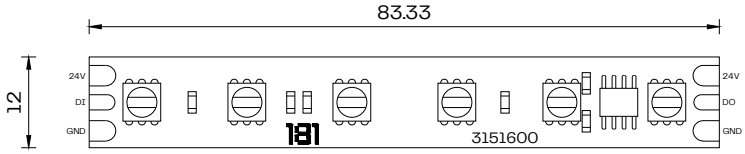
Photometric Distribution

Dimensions

RGB 16mm



RGB 83mm



Product References

DiGi LED Strip

Reference	Description
3153000	DiGi LED Strip RGB 16mm 24V
3151601	DiGi LED Strip RGB 83mm 24V

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