DiGi LED Strip Multi Color RGB 12V

The DiGi LED Strip Multi Color RGB 12V is engineered for high-impact indoor environments. This flexible lighting solution is designed to provide a seamless experience layer of patterns and motion for a variety of interior applications. Its compact dimensions and cutable length options allow the light to effortlessly follow organic shapes and intricate architectural outlines.

Available in three pixel-pitch configurations (16mm, 24mm, and 38mm), this strip offers a versatile range of densities to suit specific project requirements. The durable copper PCB construction and 120° beam angle ensure a reliable, professional-grade solution for consistent color rendering across architectural forms.

- Versatile High-Resolution Density — Available in pixel pitches ranging from 16.67mm to 38.46mm, allowing for scalable resolution and data management across different project scales.
- Precise Pixel Control — Features up to 60 individual pixels per meter with 8 bit dimming, enabling complex light shows and smooth color transitions via SPI control.

CE RoHS IP20

Specifications

General

Pixel Pitch Variant	16	24	38
Power Consumption (W/m)	14,4	10	6,5
Input Voltage (V DC)	12		
LEDs (/m)	60	42	26
LED Pitch (mm)	16,67	23,81	38,46
Pixels (/m)	60	42	26
Pixel Pitch (mm)	16,67	23,81	38,46
Channels (/m)	180	126	78
Beam Angle (°)	120		
LED Type	3in1		
Color Range	RGB		
LEDs (/segment)	1		
Control	SPI		(GS8208)
Dimming	8 bit		

Installation Conditions & Lighting Data

Segment Length (mm)		16,67	23,81	38,46
Maximum Run Length Power[1] (m)	Single Feed	3		
	Double Feed	6		
Maximum Run Length Data[1] (m)		16mm	@30fps	14
			@50fps	9
		24mm	@30fps	20
			@50fps	12
		38mm	@30fps	33
			@50fps	20
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, 38mm	Black
	24mm	White
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
- ☐ 24mm
- ☐ 38mm

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Lighting Specifications

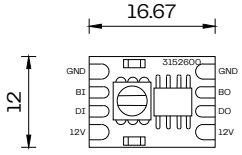
DiGi LED Strip

	Full RGB (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)
12V RGB 16mm				
12V RGB 24mm				
12V RGB 38mm				

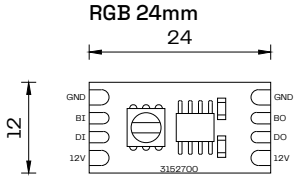
Photometric Distribution

Dimensions

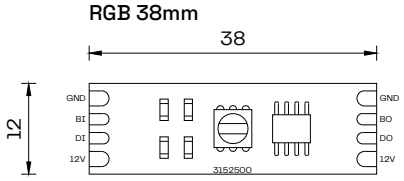
RGB 16mm



RGB 24mm



RGB 38mm



Product References

DiGi LED Strip

Reference	Description
3152600	DiGi LED Strip RGB 16mm 12V
3152700	DiGi LED Strip RGB 24mm 12V
3152500	DiGi LED Strip RGB 38mm 12V

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