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		
	Double Feed		
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

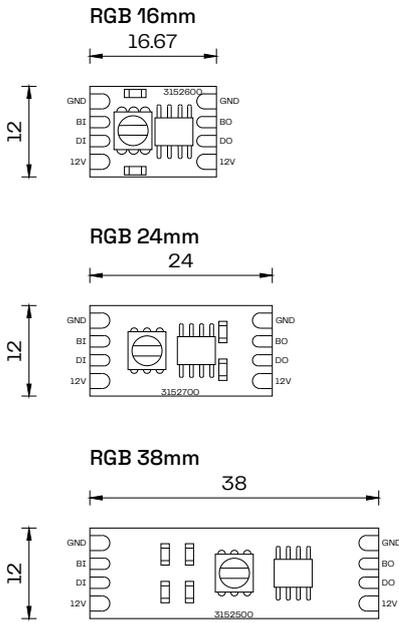| PCB Material	Copper	
Cable Material	PVC	
PCB Color	16mm, 38mm	Black
	24mm	White
Connector Type	Bare Wires	
Weight (kg/m)	0,035	
Dimensions WxH (mm)	12 x 2,1	
Length (mm)	5000 (Custom on Request)	

Options

Pixel Pitch Variant

☐ 16mm
☐ 24mm
☐ 38mm

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
16.67
12

GND · 3152600 · GND
BI · BO
DI · DO
12V · 12V

RGB 24mm
24
12

GND · GND
BI · BO
DI · DO
12V · 12V
3152700

RGB 38mm
38
12

GND · GND
BI · BO
DI · DO
12V · 12V
3152500

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