

General Lavantla (mana)

Length (mm)	5000
Width (mm)	12
Height (mm)	2
Housing Color	Black
Housing Material	Copper
Mounting	3M tape
Weight (g)	165
Cutting Interval (mm)	16,67
Cable Length (cm)	15 cm
Cable Type	H05RN-F3xG0.75

Electronics

Input Voltage	12 V DC
Power Consumption (W/m)	14.4
Power Supply	External (not included)

Lighting

Emission	Direct
Optics (°)	120
LED Type	SMD5050 3inl
LED Quantity /m	60
LED Spacing (mm)	16.66
LEDs per Pixel	1
Pixels /m	60
Pixel Pitch	16.66 mm
Color Range	RGB
Luminous Flux	450 lm/m

Control

Control	SPI
Compatible ICs	GS8208
Control Units	Multi pixel
Number of Channels	180/m

Environmental

Storage Temperature	-40 ~ +80 °C
Operating Temperature	-20 ~ +60 °C
Ingress Protection	IP20
Safety Standards	EN 62471, EN 60598-1,
	EN 60598-2-20,
	EN 62031,

EN 62493,

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ROHS IP20 2 year warranty

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.

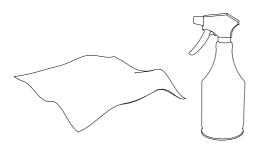


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Important:

- Make sure power is disconnected during installation or maintenance
- Do not light up the strip when it's on the reel
- Keep cables and the LEDstrip protected from sharp objects to prevent damage
- Do not fix the LEDstrip onto wood or powdercoated material
- Align polarity when connecting the LEDstrip
- Do not twist, bend or fold the LEDstrip at sharp edges

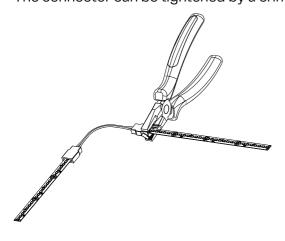
1. Prepare the mounting surface by removing dirt, debris or moisture.



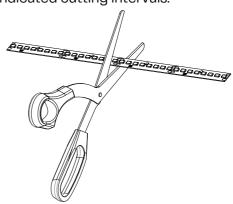
3. Remove the backing by peeling it off.



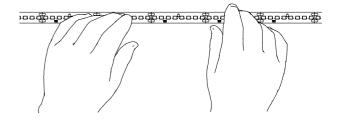
5.
When using the cable connector, make sure the connector is properly connected to the strip.
The connector can be tightened by a crimping tool.



2. The LEDstrip can be cut to size at the indicated cutting intervals.



4. Fix onto the surface by gently pushing the LEDstrip. Make sure no air pockets will form underneath the LEDstrip.



Tips: Use 3M Primer on the mounting surface for better bonding.

Before powering the system, check if all polarities are aligned.

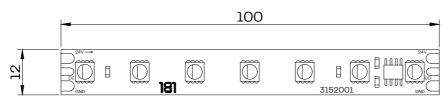
It's always recommended to solder the cables.

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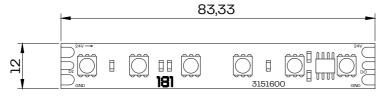
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DiGi LEDstrip RGBW 100mm

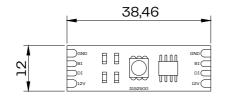
SCALE 1:1





DiGi LEDstrip RGB 83mm

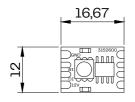
SCALE 1:1





DiGi LEDstrip RGB 38mm

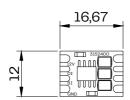
SCALE 1:1





DiGi LEDstrip RGB 16mm

SCALE 1:1





DiGi LEDstrip AmberDrift

SCALE 1:1

Disclaimer

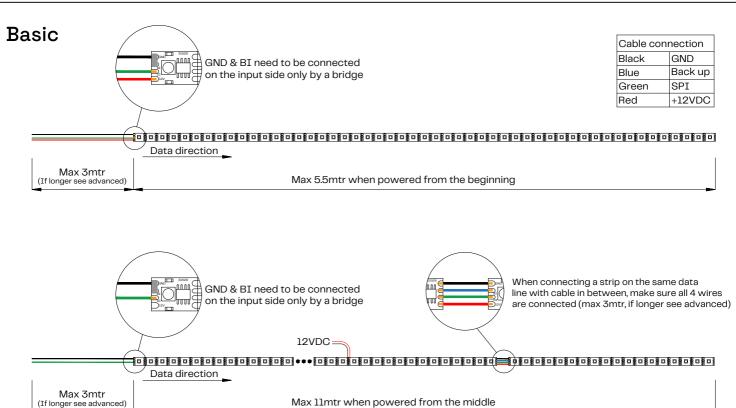
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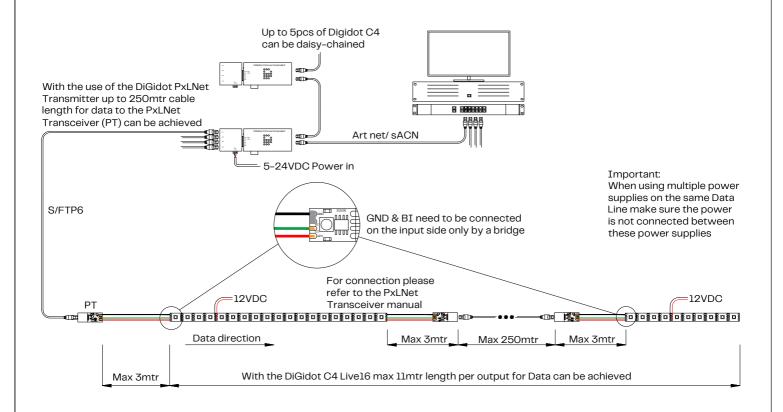
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DiGi LEDstrip RGB 16mm 12V

System diagram



Advanced



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DiGi LED Strip RGB 16mm 12V

Control every LED with SPI technology, enabling precise adjustments and flexibility in your lighting design. With control every 16mm, achieve the perfect balance of detail and efficiency, ensuring your lighting solution meets your exact specifications. Unlock the full potential of our DiGi products with the DiGidot C4 controller. Seamlessly control and synchronize your DiGi Strip with ease, allowing for effortless customization and stunning lighting effects.

Key specifications

Voltage (V)	12V DC
Power Consumption (w/m)	14.4
Luminous Flux (lm/m)	447
Color Range	RGB
Number of pixels (p/m)	60
Pixel pitch (mm)	16.67
Control	SPI
Cutting interval (mm)	16.67
Length (m)	5 (customization on request)

IP20



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Ordering information

Cable option	Cable Length in CM	DiGi Strip Length in CM	Ų
Bare wire			
M12 connector			
Related Items			

DiGidot C4 Live

DiGidot C4 Live 4 20101
DiGidot C4 Live 8 20102
DiGidot C4 Live 12 20103
DiGidot C4 Live 16 20104
DiGidot C4 Extended
DiGidot C4 Extended 1 20201
DiGidot C4 Extended 2 20202
DiGidot C4 Extended 4 20203
DiGidot C4 Extended 8 20204
DiGidot PxLNode
DiGidot PxLNode U96 20820
DiGidot PxLNet Transceiver kit
DiGidot PxLNet Transceiver kit RJ45-Bus 20341
DiGidot PxLNet Transceiver kit Screw 203402

DiGidot PxLNet Transceiver kit Solder 203403

Ме	anwel	I Power suppl	y	
		XLG-100-12	8343300	
] HLG-150-12	8440700	
] HLG-240-12	8441600	
		7	0440500	

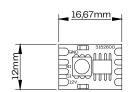


General specifications

deneral specifications	
Operating Voltage	12V DC
Color range	RGB
Power Consumption (p/m)	14.4
Channels (p/m)	180
LED Quantity (p/m)	60
Luminous Flux (p/m)	447
Max Run Single power feed (m)	5.5
Max Run Double power feed (m)	10
Max Run Length for data (m)	12
Pixel Pitch (mm)	16.67
LB Value	L70B20 50.000H
Storage Temperature	-40° C to 80° C
Operating Temperature	-20° C to 60° C
Connection type	Bare wires (default)
Ingress Protection	IP20
Environment	Indoor
Mounting Option	3M Tape
Certifications	CE, RoHS
PCB Color	Black
Weight (5m reel)	170gr
Dimensions (mm)	5000 x 12 x 2.1
Warranty	2 Years

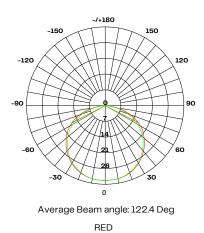
Model	Red	Green	Blue
RGB	104Lm	284Lm	59Lm
Model	Red	Green	Blue
RGB	620NM	520NM	465NM

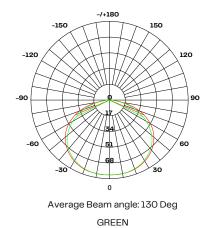
Dimensions

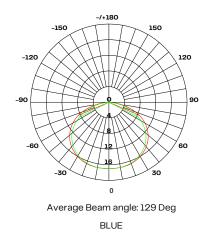




Light distribution

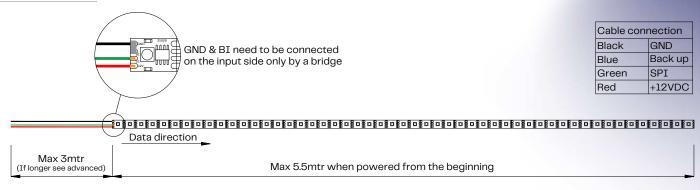


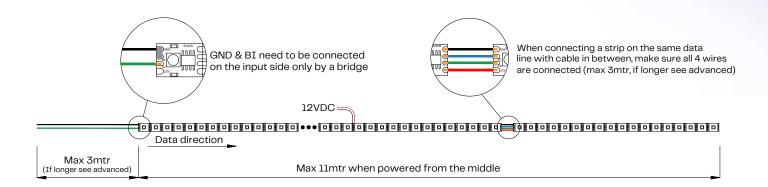




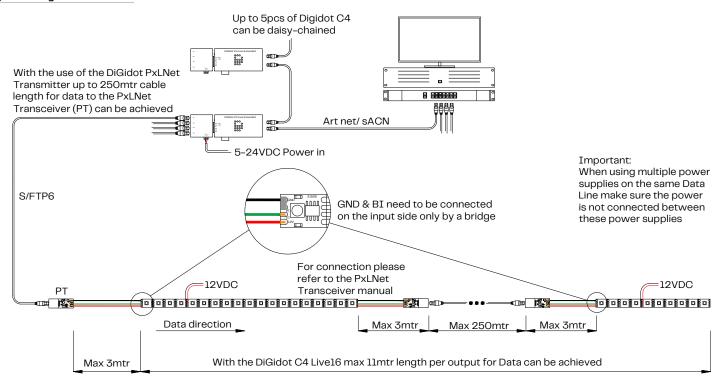


System diagram basic





System diagram advanced





Installation guide

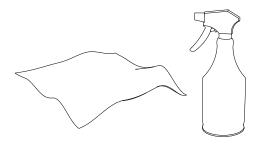
Important note:

- Make sure power is disconnected during installation or maintenance.
- Keep cables and the DiGi Strip protected from sharp objects to prevent damage
- Allign polarity when connecting the DiGi Strip.
- Do not bend or twist the DiGi Strip otherwise as specified below

Tips:

- Before powering the system, check if all polarities are aligned.
- It's recommended to install longer lengths with two persons.
- Use 3M Primer on the mounting surface for better bonding.

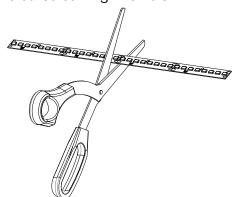
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