



General

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 3in1
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,

CE

RoHS

COMPLIANT

IP20

2 year warranty

Disclaimer

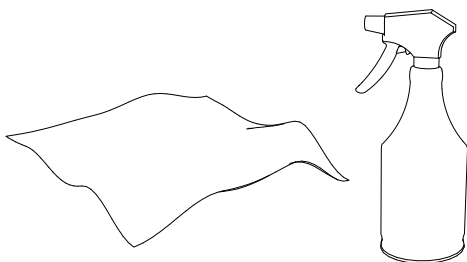
Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document 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.

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

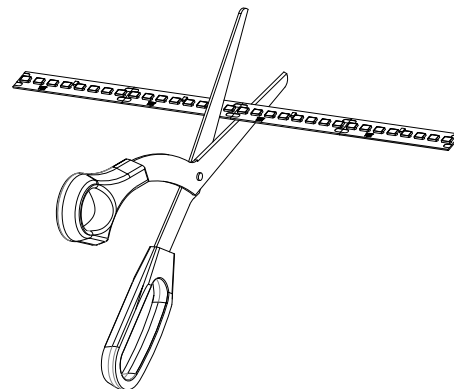
1.

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



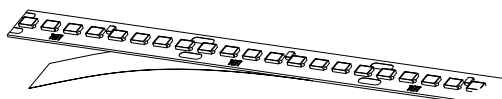
2.

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



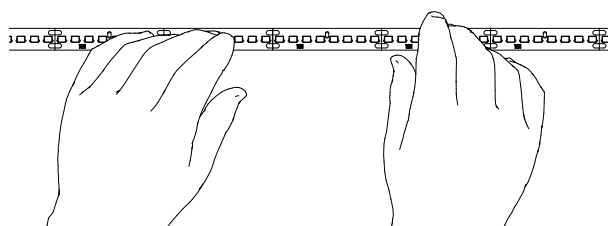
3.

Remove the backing by peeling it off.



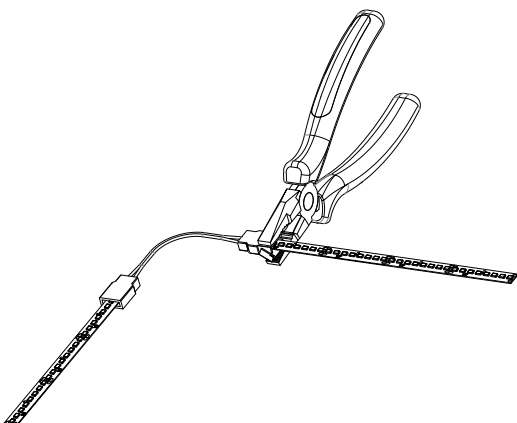
4.

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



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.



Tips:

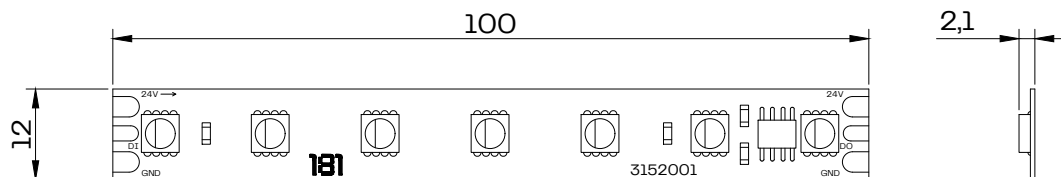
Use 3M Primer on the mounting surface for better bonding.

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

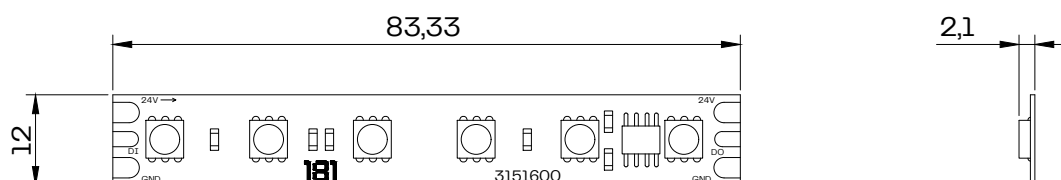
It's always recommended to solder the cables.

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**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

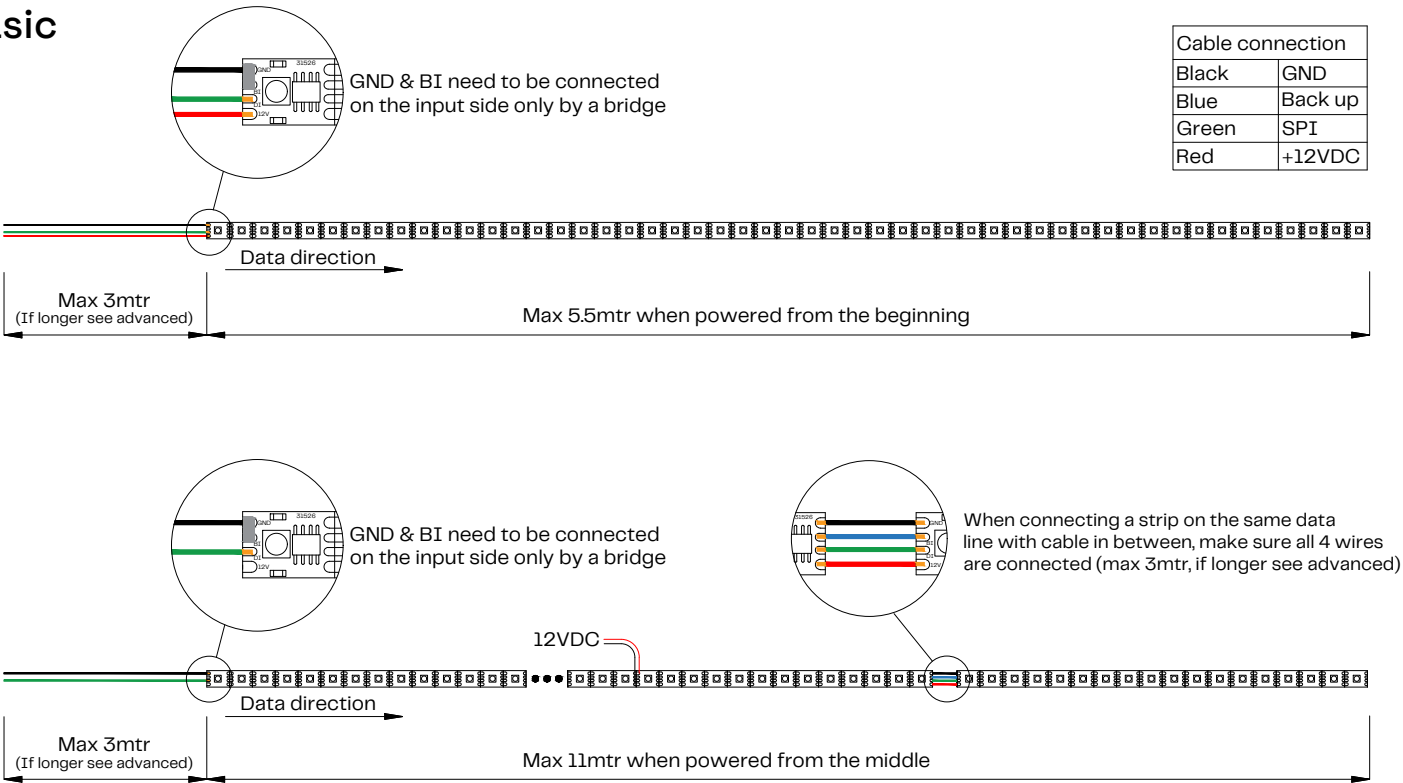
**DiGi LEDstrip AmberDrift**

SCALE 1:1

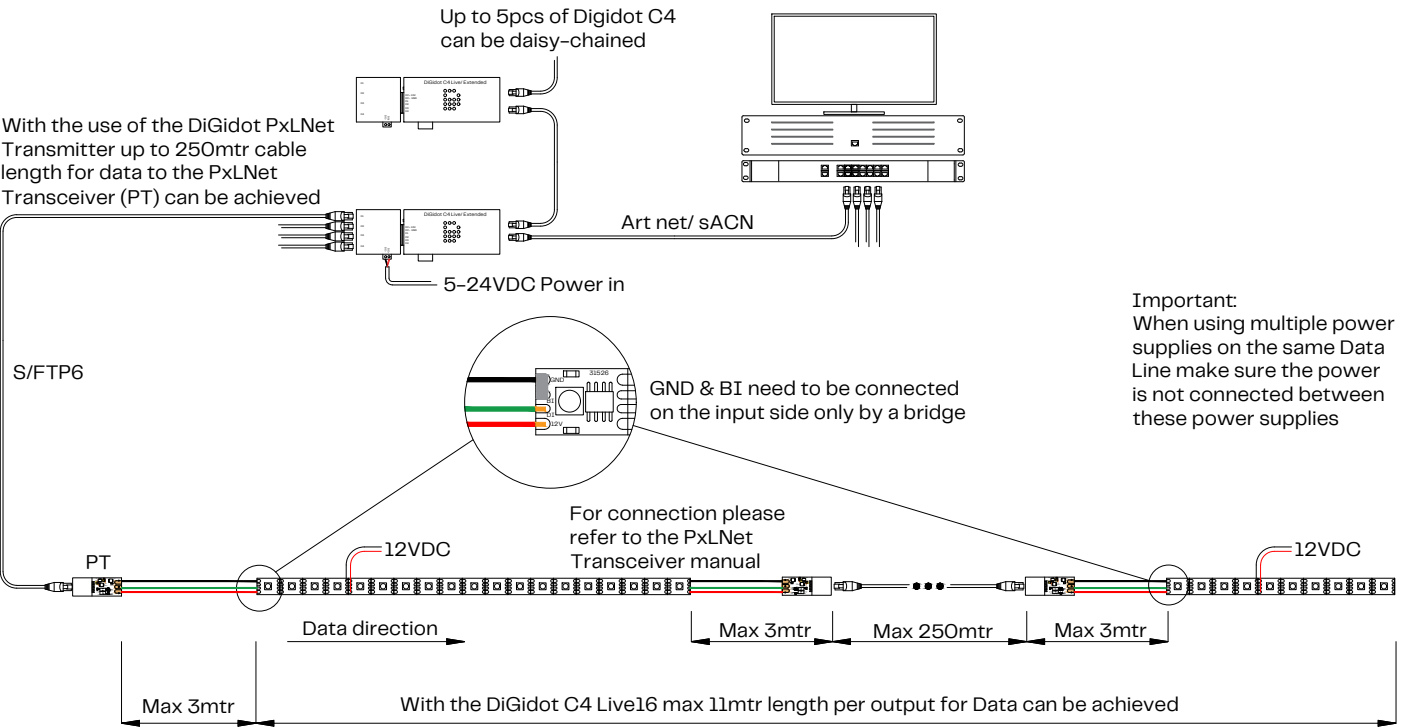
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Basic



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)

CE

RoHS

IP20

Ordering information

Cable option	Cable Length in CM	DiGi Strip Length in CM	Qty
☐ 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



Meanwell Power supply

- ☐ XLG-100-12 8343300
- ☐ HLG-150-12 8440700
- ☐ HLG-240-12 8441600
- ☐ HLG-320-12 8442500



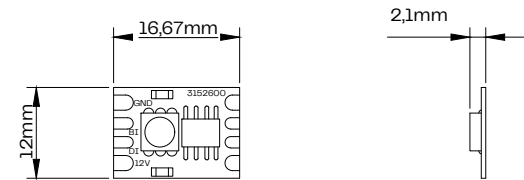
General specifications

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

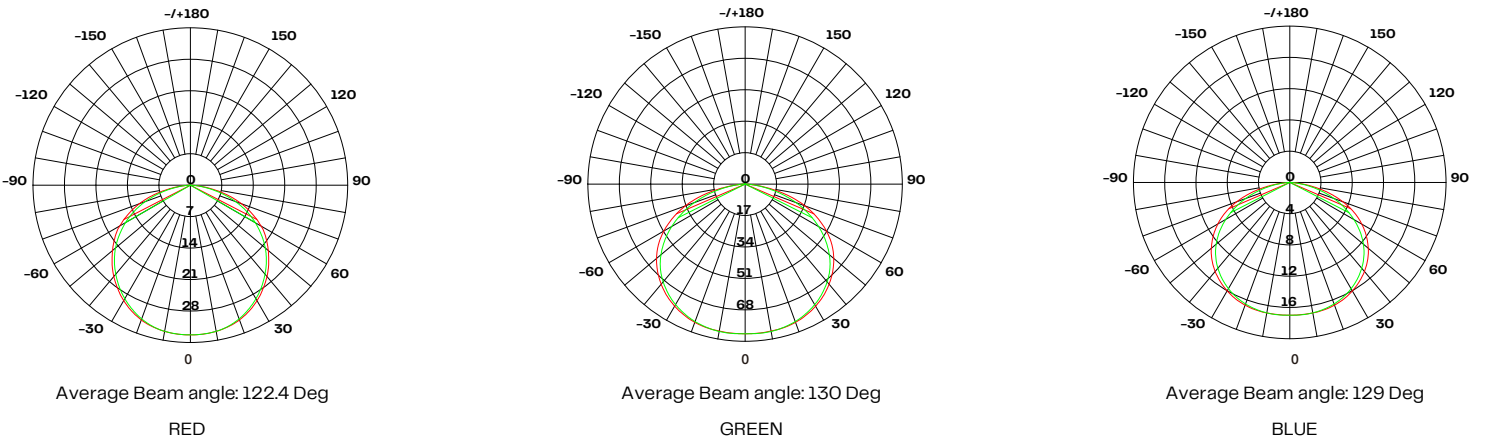
Model	Red	Green	Blue
RGB	104Lm	284Lm	59Lm

Model	Red	Green	Blue
RGB	620NM	520NM	465NM

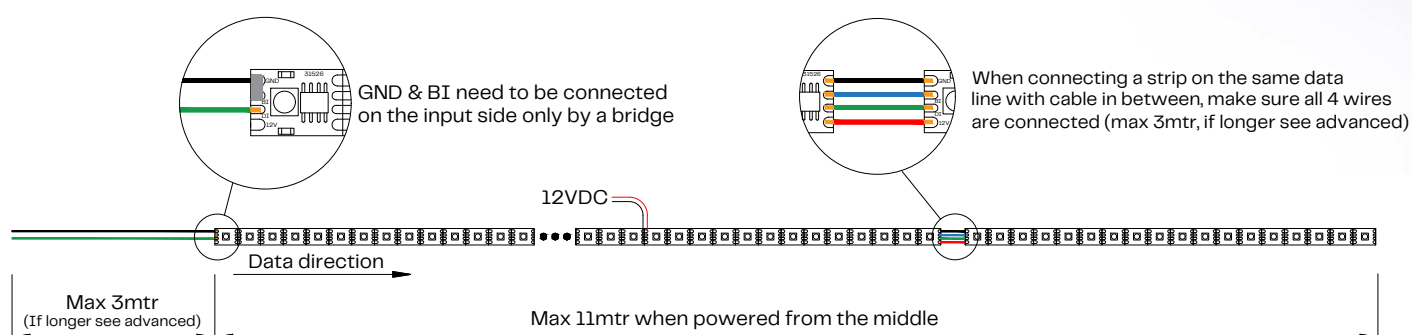
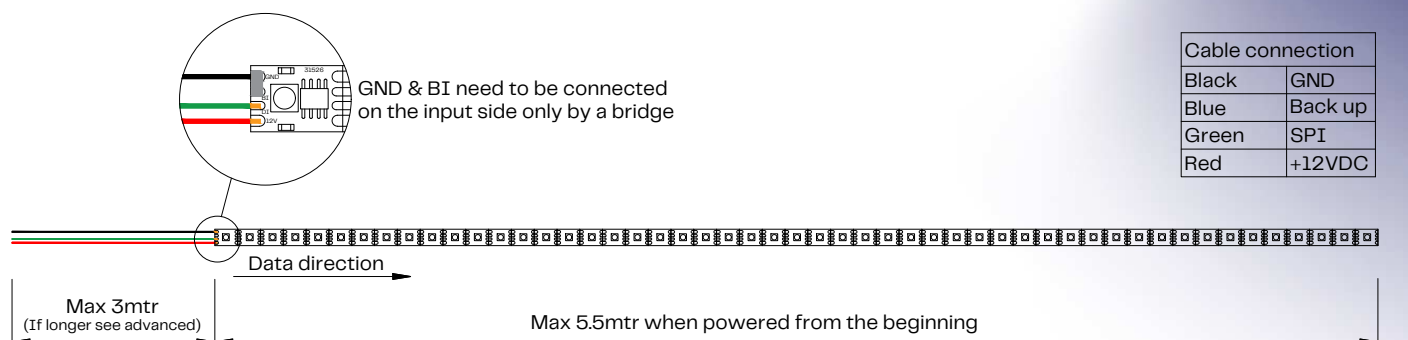
Dimensions



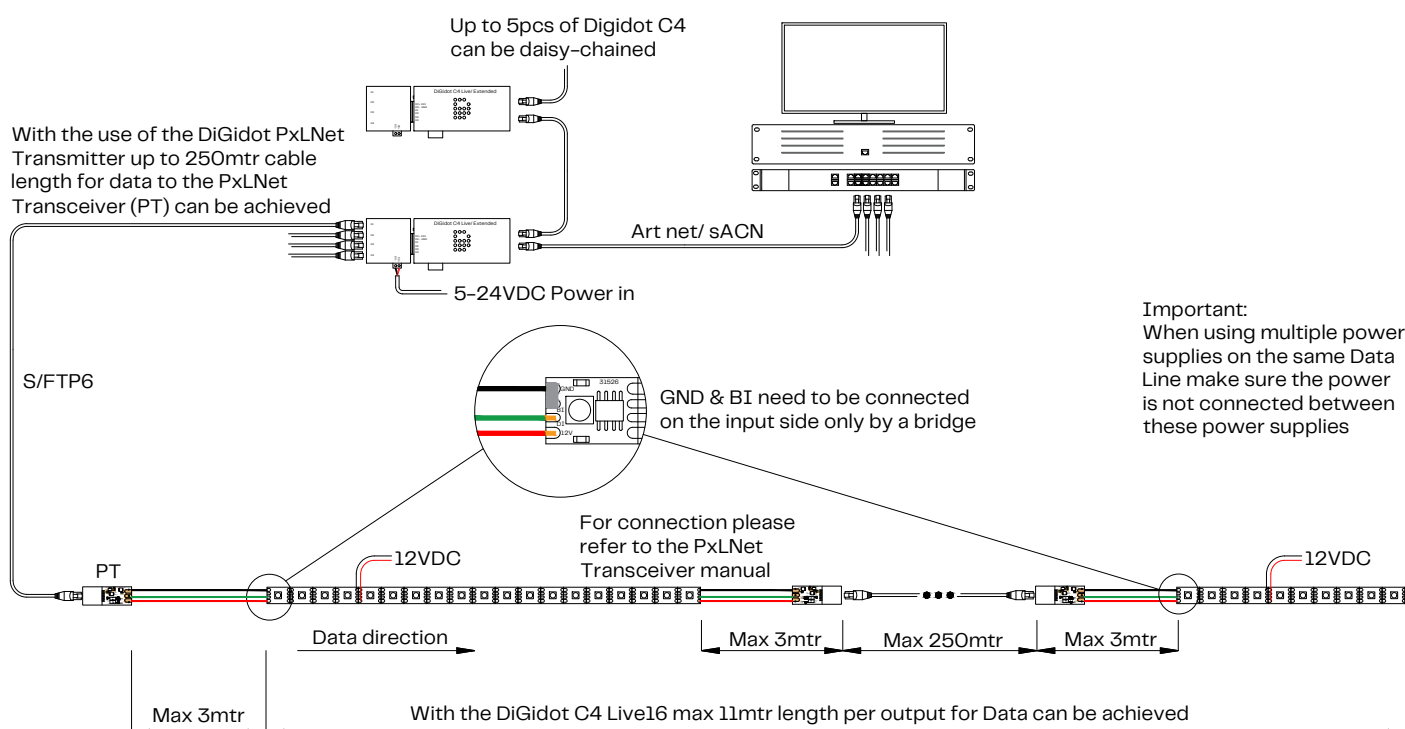
Light distribution



System diagram basic



System diagram advanced



Installation guide

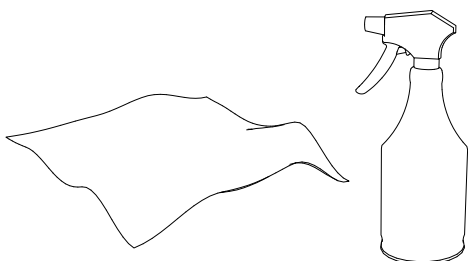
Important note:

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

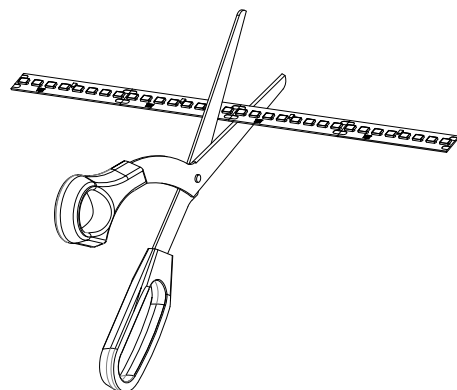
Tips:

- 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.

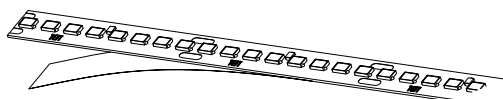
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2.
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3.
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4.
Fix onto the surface by gently pushing the LEDstrip. Make sure no air pockets will form underneath the LEDstrip.

