DiGi LED Strip RGBTW 100mm 24V

Control every pixel with SPI technology, enabling precise adjustments and flexibility in your lighting design. With control every 100mm, 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	24V DC
Color Range	RGBTW (2400-5500K)
Power Consumption (w/m)	20
Luminous Flux (lm/m)	1196Lm (RGBTW)
LED Quantity (p/m)	60
Pixels (p/m)	10
Pixel pitch (mm)	100
Control	SPI
Cutting interval (mm)	100
Length (m)	5 (default length)

CE RoHS IP20

Ordering information

Cable Length in CM	LED Strip Length in CM	Qty

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

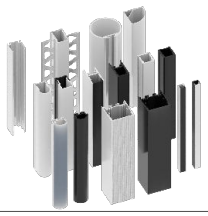
- ☐ ☐ DiGidot C4 Extended 1 20201
- ☐ ☐ DiGidot C4 Extended 2 20202
- ☐ ☐ DiGidot C4 Extended 4 20203
- ☐ ☐ DiGidot C4 Extended 8 20204

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



LED Profiles and covers

- ☐ ☐ Aluminum LED Profile Half Round 9116300
- ☐ ☐ Aluminum LED Profile High 9111300
- ☐ ☐ Aluminum LED Profile Low 9112300
- ☐ ☐ Aluminum LED Profile Plaster 9510300
- ☐ ☐ Aluminum LED Corner 9711300
- ☐ ☐ Aluminum LED Profile H 9411310
- ☐ ☐ Aluminum LED Profile 3535 9310300

Please contact our sales team for more info and options

Meanwell Power supply

- ☐ ☐ XLG-75-24 8343100
- ☐ ☐ XLG-100-24 8343300
- ☐ ☐ HLG-150-24 8440700
- ☐ ☐ HLG-240-24 8441600
- ☐ ☐ HLG-320-24 8442500

General specifications

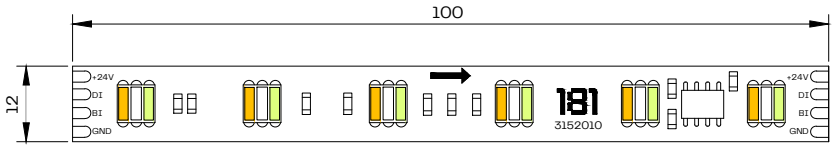
Operating Voltage	24V DC
Color range	RGBTW (2400-5500K)
Power Consumption (w/m)	20
Luminous Flux (p/m)	1196Lm (RGBTW)
Luminous Efficacy (Lm/W)	59
CRI	≥80
LED Type	SMD5050 5in1
LED Quantity (p/m)	60
Max Run Front power feed (m)	5
Max Run Middle power feed (m)	10
Max Run Data (m)	50 @30 FPS
Control	SPI
Channels (p/m)	50
Pixel Pitch (mm)	100
LED Pitch (mm)	16.67
IC Type	WS2805[1]
Storage Temperature	-40° C to 80° C
Operating Temperature	-25° C to 60° C
Connection type	Bare wires (default)
Ingress Protection	IP20
Environment	Indoor
Mounting Option	3M 300LSE
Certifications	CE, RoHS
PCB Color	White
Weight (gr, 5m reel)	160
Dimensions (mm)	5000 x 12 x 2.2
Package Dimensions (cm)	21.5 x 24 x 1.5
Warranty	2 Years

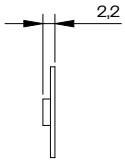
Model	Red	Green	Blue	2400K	5500K
RGBTW	80Lm	290Lm	72Lm	350Lm	404Lm

Model	Red	Green	Blue
RGBTW	620NM	520NM	465NM

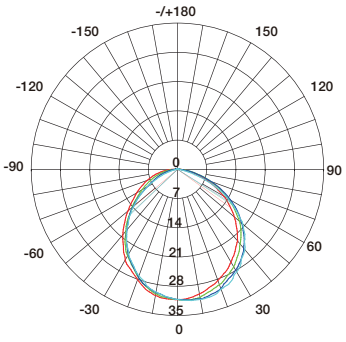
[1] When controlling with DiGidot C4 Live or Extended select IC TM1824.
Generating or adjusting scenes within the C4 is not currently functional.

Dimensions



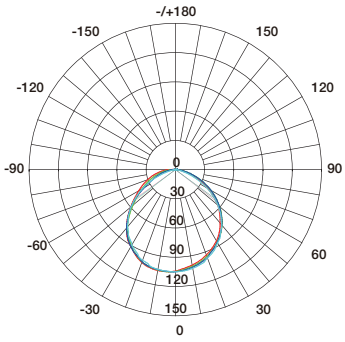


Light distribution



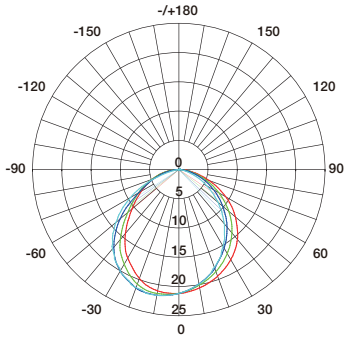
Average Beam angle: 104 Deg

RED



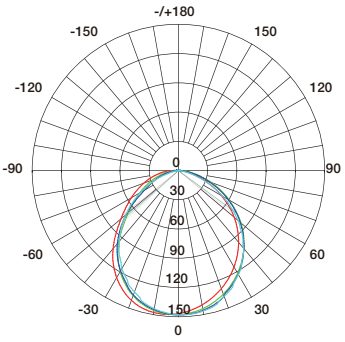
Average Beam angle: 106.4 Deg

GREEN



Average Beam angle: 102.6 Deg

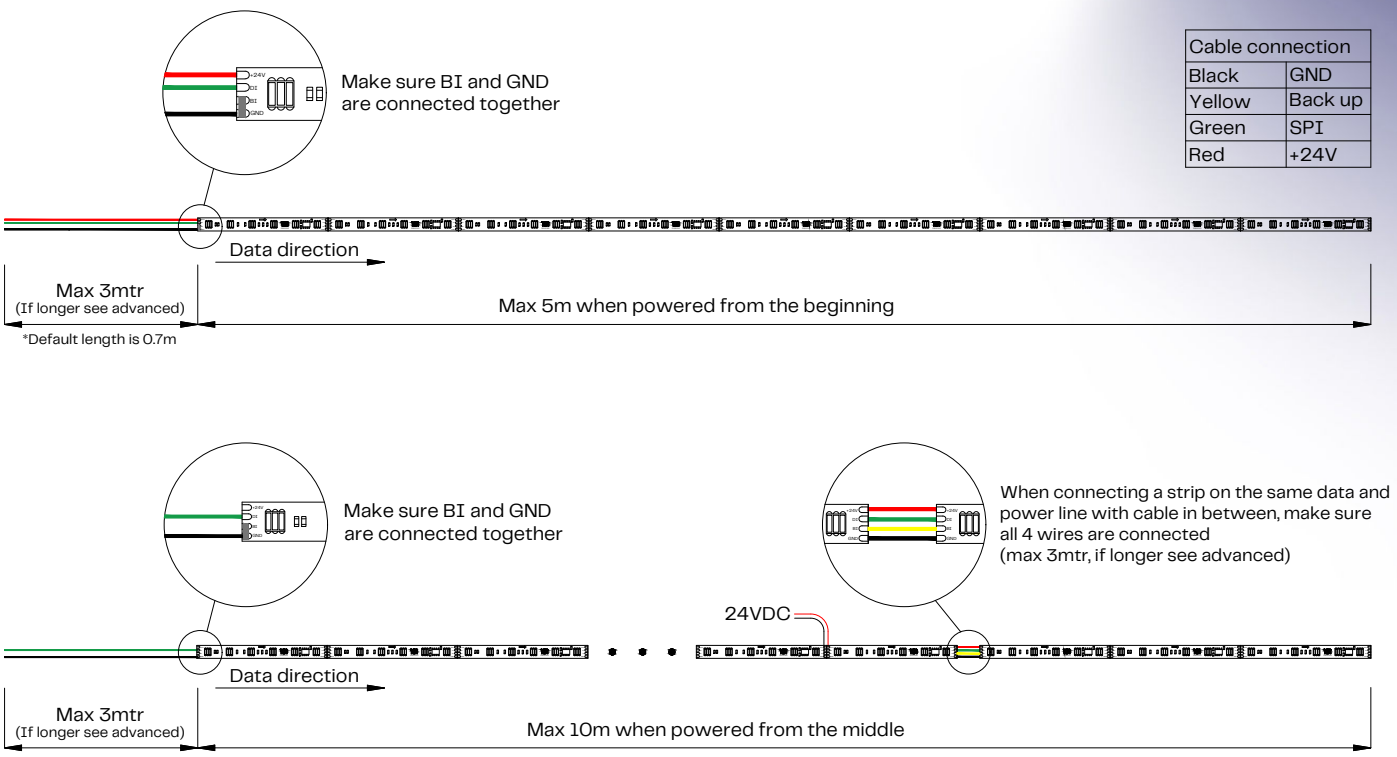
BLUE



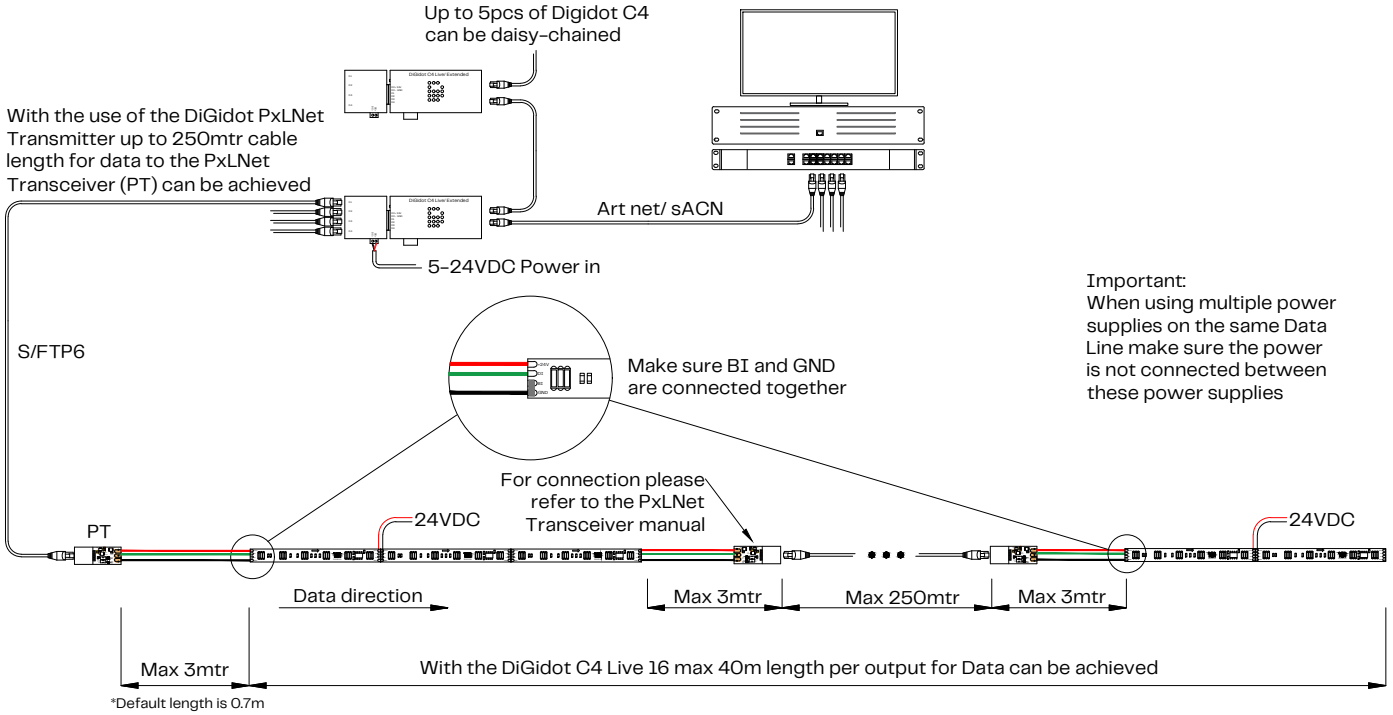
Average Beam angle: 101.5 Deg

2400K 5500K

System diagram basic



System diagram advanced



Installation guide

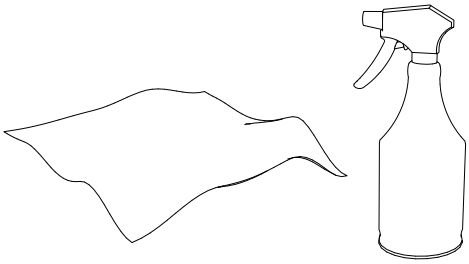
Important note:

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

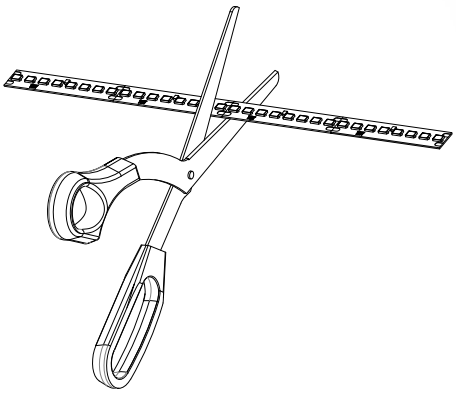
Tips:

- 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.

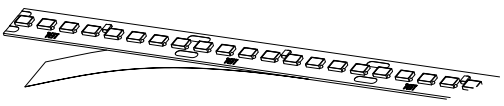
1.
Prepare the mounting surface by removing dirt, debris or moisture.



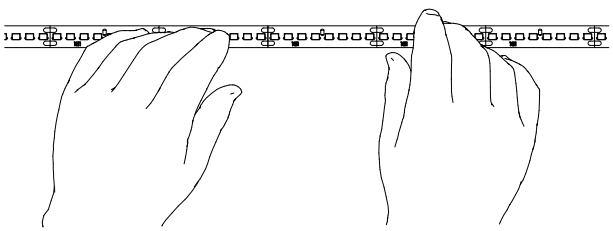
2.
The LEDstrip can be cut to size at the indicated cutting intervals.



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.



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