


## DiGi Neonflex Side Bend

Control every 7 LEDs 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 Neonflex Side Bend with ease, allowing for effortless customization and stunning lighting effects.

### Key specifications


Voltage (V)	24V DC
Power Consumption (w/m)	18W
Luminous Flux (lm/m)	464Lm (shape 1616)
Color Range	Multi color
Number of channels (p/m)	40ch
Number of pixels (p/m)	10pix
Pixel pitch (mm)	100mm
Control	SPI
Fixture Length (mm)	Customizable every 100mm



### Ordering information

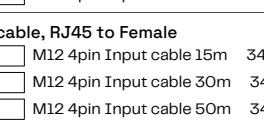
Shape	Color Temp.	Cable entry	Feed	Cable option	Cable Length in CM	Neonflex Length in CM	Qty
<input type="checkbox"/> 1616	<input type="checkbox"/> RGBW1800K	<input type="checkbox"/> Direct	<input type="checkbox"/> Single	<input type="checkbox"/> Bare wire	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> 1128	<input type="checkbox"/> RGBW2700K	<input type="checkbox"/> Side	<input type="checkbox"/> Double	<input type="checkbox"/> M12 connector	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> 1121	<input type="checkbox"/> RGBW3000K	<input type="checkbox"/> Bottom			<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="checkbox"/> RGBW4000K				<input type="text"/>	<input type="text"/>	<input type="text"/>

### Related Items



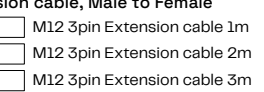
**Input cable, Bare wire to Female**

<input type="checkbox"/>	<input type="checkbox"/>	M12 3pin Input cable 1m	3430113
<input type="checkbox"/>	<input type="checkbox"/>	M12 3pin Input cable 2m	3430123
<input type="checkbox"/>	<input type="checkbox"/>	M12 3pin Input cable 3m	3430133



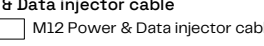
**Input cable, RJ45 to Female**

<input type="checkbox"/>	<input type="checkbox"/>	M12 4pin Input cable 15m	3430755
<input type="checkbox"/>	<input type="checkbox"/>	M12 4pin Input cable 30m	3430756
<input type="checkbox"/>	<input type="checkbox"/>	M12 4pin Input cable 50m	3430757




**Extension cable, Male to Female**

<input type="checkbox"/>	<input type="checkbox"/>	M12 3pin Extension cable 1m	3430213
<input type="checkbox"/>	<input type="checkbox"/>	M12 3pin Extension cable 2m	3430223
<input type="checkbox"/>	<input type="checkbox"/>	M12 3pin Extension cable 3m	3430233



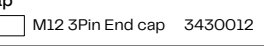
**Power & Data injector cable**

<input type="checkbox"/>	<input type="checkbox"/>	M12 Power & Data injector cable 1.5m	3430715
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**Power cable**

<input type="checkbox"/>	<input type="checkbox"/>	M12 3Pin Power cable Single feed 1.5m	3430414
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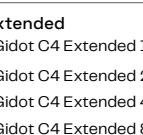
**End cap**

<input type="checkbox"/>	<input type="checkbox"/>	M12 3Pin End cap	3430012
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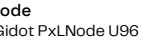
**DiGidot C4 Live**

<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Live 4	20101
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Live 8	20102
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Live 12	20103
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Live 16	20104



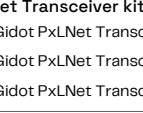
**DiGidot C4 Extended**

<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Extended 1	20201
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Extended 2	20202
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Extended 4	20203
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot C4 Extended 8	20204




**DiGidot PxLNode**

<input type="checkbox"/>	<input type="checkbox"/>	DiGidot PxLNode U96	20820
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**DiGidot PxLNet Transceiver kit**

<input type="checkbox"/>	<input type="checkbox"/>	DiGidot PxLNet Transceiver kit RJ45-Bus	20341
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot PxLNet Transceiver kit Screw	203402
<input type="checkbox"/>	<input type="checkbox"/>	DiGidot PxLNet Transceiver kit Solder	203403



**Meanwell Power supply**

<input type="checkbox"/>	<input type="checkbox"/>	XLG-75-24	8343100
<input type="checkbox"/>	<input type="checkbox"/>	XLG-100-24	8343300
<input type="checkbox"/>	<input type="checkbox"/>	HLG-150-24	8440700
<input type="checkbox"/>	<input type="checkbox"/>	HLG-240-24	8441600
<input type="checkbox"/>	<input type="checkbox"/>	HLG-320-24	8442500



**Mounting**

<input type="checkbox"/>	<input type="checkbox"/>	Profile Straight
<input type="checkbox"/>	<input type="checkbox"/>	Profile Curve
<input type="checkbox"/>	<input type="checkbox"/>	Mounting clip

## General specifications

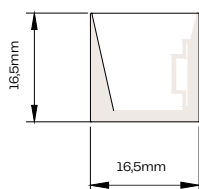
Operating Voltage	24 V DC
Color range	RGBW
CRI	≥80
Power Consumption p/m	18 W/m
Channels p/m	40ch
LEDs per Fixture /m	70
Luminous Flux p/m	464Lm (shape 1616)
Max Run Single power feed	5 mtr.
Max Run Double power feed	10 mtr.
Max Run Length for data	50 mtr.
Pixel Pitch	100 mm
LB Value	L80B10 50.000H
Storage Temperature	-15° C to 60° C
Operating Temperature	-5° C to 55° C
Connector type	M12 3 Pin Connector
Ingress Protection	IP68
Impact protection	IK08
Mounting Options	Profile or mounting clips
Certifications	UL, UKCA, CE, RoHS
Available Housing Colors	White
Weight Shape 1616/1121	480gr
Weight Shape 1128	520gr
Warranty	5 Years

Shape	Red	Green	Blue	3000K
1616	48Lm	186Lm	35Lm	195Lm
1121	40Lm	110Lm	30Lm	120Lm
1128	42Lm	143Lm	24Lm	157Lm

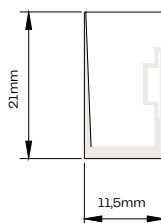
Shape	Red	Green	Blue
1616	620NM	520NM	465NM
1121	620NM	520NM	465NM
1128	620NM	520NM	465NM

## Dimensions

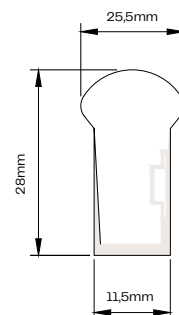
Shape 1616



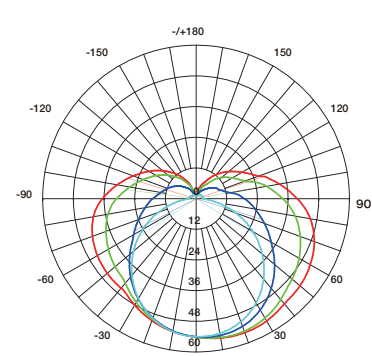
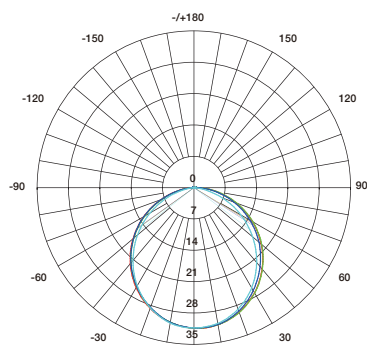
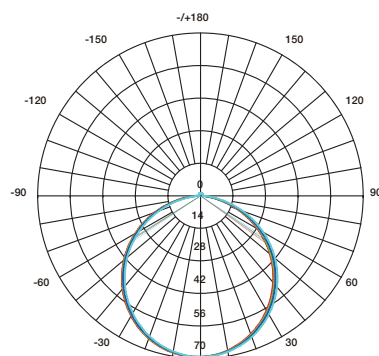
Shape 1121



Shape 1128

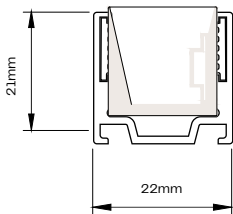


## Light distribution

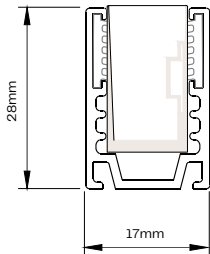


## Mounting options

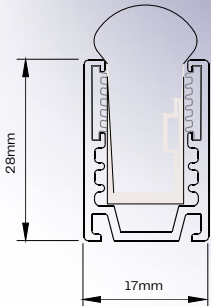
Mounting option for  
shape 1616



Mounting option for  
shape 1121



Mounting option for  
shape 1128



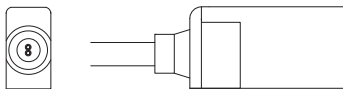
Model	Length	Holes for fixation
Profile Straight	1000mm	2
Profile Curve	1000mm	2
Mounting clip	35mm	2

Model	Length	Holes for fixation
Profile Straight	1000mm	2
Profile Curve	1000mm	2
Mounting clip	35mm	2

Model	Length	Holes for fixation
Profile Straight	1000mm	2
Profile Curve	1000mm	2
Mounting clip	35mm	2

## Cable entry options

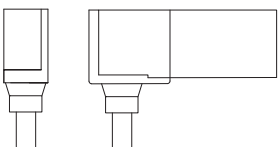
Direct



Side

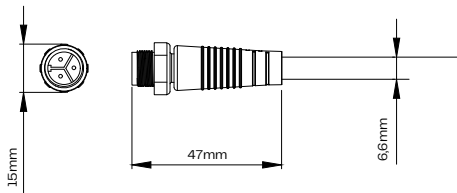


Bottom

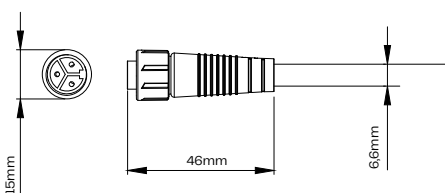


## Dimensions M12 3Pin connectors & End cap

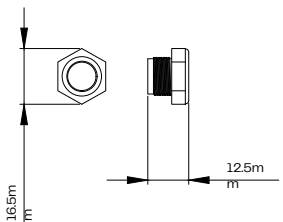
M12 3Pin Male connector



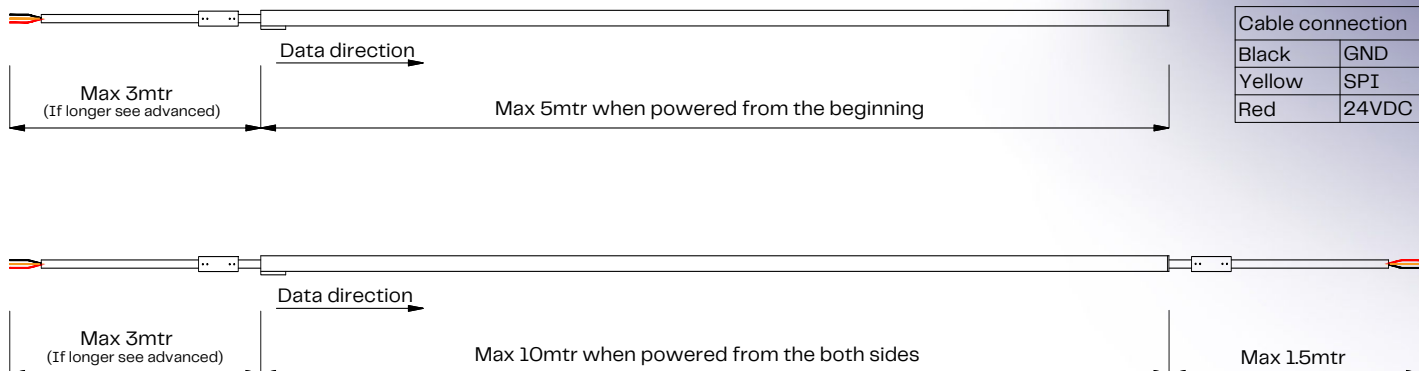
M12 3Pin Female connector



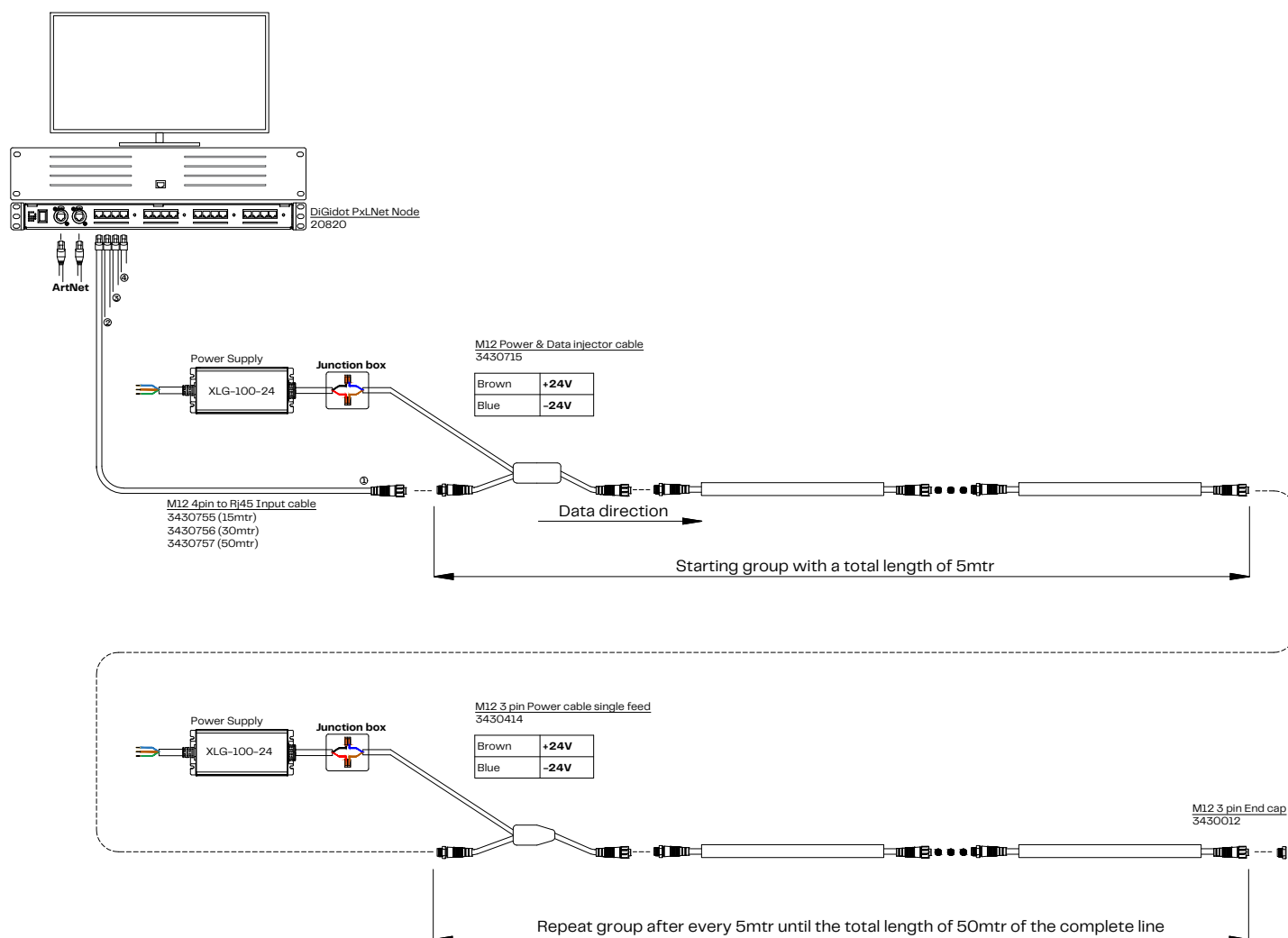
M12 3Pin End cap



## System diagram basic



## System diagram advanced



## Installation guide

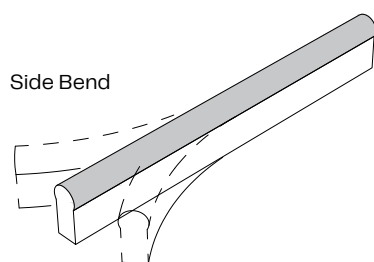
### Important note:

- Make sure power is disconnected during installation or maintenance.
- Keep cables and the DiGi Neonflex protected from sharp objects to prevent damage
- Align polarity when connecting the DiGi Neonflex.
- Do not bend or twist the DiGi Neonflex otherwise as specified below
- DiGi Neonflex is a made-to-order product with the finish of the product specifically moulded to provide optimal weatherproof performance.
- Specifications including lengths of the DiGi Neonflex, cable lengths, connector style and type are necessary before placing an order.
- Female or male connector with cable and bare wire cables can be ordered separately in various lengths.
- It is recommended to ensure the feeder cable is long enough to reach the cable entry point of flex where connection can be made.
- Do not cut the DiGi Neonflex and the waterproof connectors. DIY cutting of this product will void the warranty.

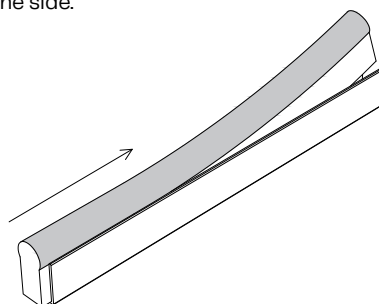
### Tips:

- Before powering the system, check if all polarities are aligned.
- It's recommended to install longer lengths with two persons.

### Bending direction Neonflex.



When using mounting profiles make sure the neonflex is pushed in from one side.



### Minimum bending diameter of the Neonflex.

