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Lightly obsessed with light

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)	10W
Luminous Flux (lm/m)	630Lm (shape 1616)
Color Range	Tunable White
Number of channels (p/m)	30ch
Number of pixels (p/m)	10pix
Pixel pitch (mm)	100mm
Control	SPI
Fixture Length (mm)	Customizable every 100mm

UL   CE   UKCA   RoHS   IP68   IK08

Ordering information

Shape
- [ ] 1616
- [ ] 1128
- [ ] 1121

Cable entry
- [ ] Direct
- [ ] Side
- [ ] Bottom

Feed
- [ ] Single
- [ ] Double
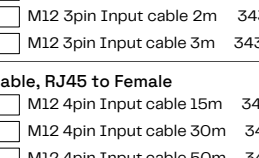
Cable option
- [ ] Bare wire
- [ ] M12 connector

Cable Length in CM

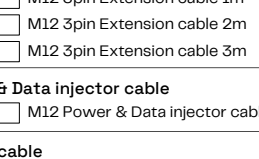**Neonflex Length in CM**

Qty

Related Items

Input cable, Bare wire to Female
- [ ] M12 3pin Input cable 1m   3430113
- [ ] M12 3pin Input cable 2m   3430123
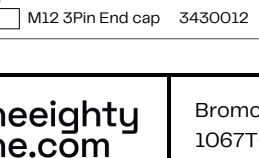- [ ] M12 3pin Input cable 3m   3430133

Input cable, RJ45 to Female
- [ ] M12 4pin Input cable 15m   3430755
- [ ] M12 4pin Input cable 30m   3430756
- [ ] M12 4pin Input cable 50m   3430757

Extension cable, Male to Female
- [ ] M12 3pin Extension cable 1m   3430213
- [ ] M12 3pin Extension cable 2m   3430223
- [ ] M12 3pin Extension cable 3m   3430233

Power & Data injector cable
- [ ] M12 Power & Data injector cable 1.5m   3430715

Power cable
- [ ] M12 3Pin Power cable Single feed 1.5m   3430414
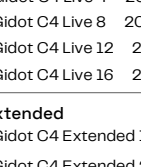
End cap
- [ ] M12 3Pin End cap   3430012

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
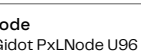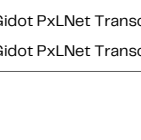- [ ] DiGidot C4 Extended 4   20203
- [ ] DiGidot C4 Extended 8   20204

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

Mounting
- [ ] Profile Straight
- [ ] Profile Curve
- [ ] Mounting clip

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General specifications

Operating Voltage	24 V DC
Color range	Tunable White 2500–5700K
CRI	≥80
Power Consumption p/m	10 W/m
Channels p/m	30ch
LEDs p/m	70
Luminous Flux p/m	630Lm (shape 1616)
Max Run Single power feed	5 mtr.
Max Run Double power feed	10 mtr.
Max Run Length for data	68 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
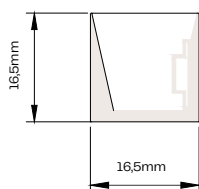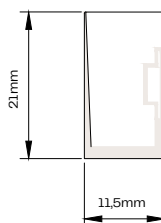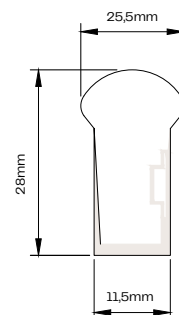
Shape	2500K	5700K	Full
1616	330Lm	300Lm	630Lm
1121	130Lm	253Lm	383Lm
1128	232Lm	225Lm	457Lm

Dimensions

Shape 1616

16,5mm / 16,5mm

Shape 1121

21mm / 11,5mm

Shape 1128

25,5mm / 28mm / 11,5mm

Light distribution

Average beam angle: 112.5 Deg

Average beam angle: 110.5 Deg

Average beam angle: 165.5 Deg

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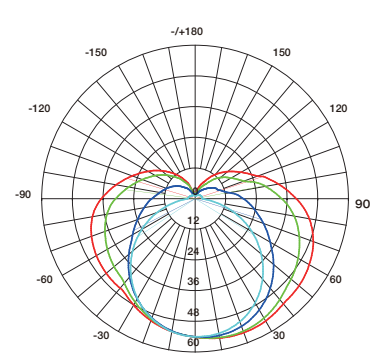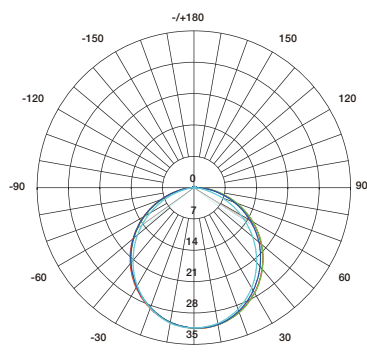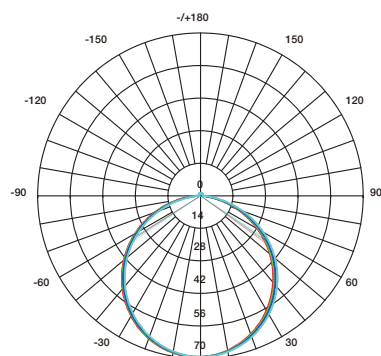
Mounting options

Mounting option for
shape 1616

21mm
22mm

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

Mounting option for
shape 1121

28mm
17mm

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

Mounting option for
shape 1128

28mm
17mm

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

Cable entry options

Direct
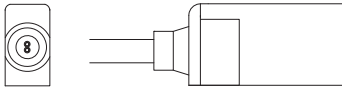
Side
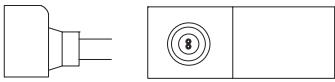
Bottom

Dimensions M12 3Pin connectors & End cap

M12 3Pin Male connector

15mm
47mm
6,6mm

M12 3Pin Female connector

15mm
46mm
6,6mm

M12 3Pin End cap

16.5mm
12.5mm

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System diagram basic

Data direction

Max 3mtr
(If longer see advanced)

Max 5mtr when powered from the beginning

Cable connection	
Black	GND
Yellow	SPI
Red	24VDC

Data direction

Max 3mtr
(If longer see advanced)
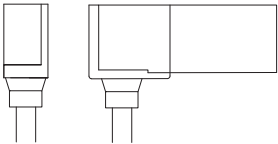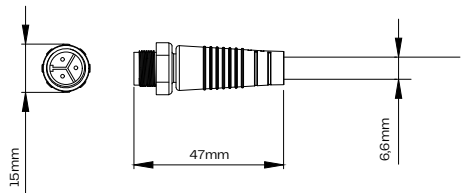
Max 10mtr when powered from the both sides

Max 1.5mtr
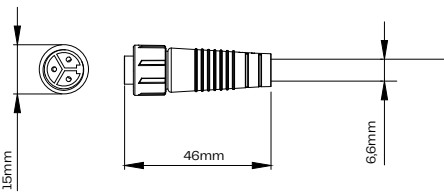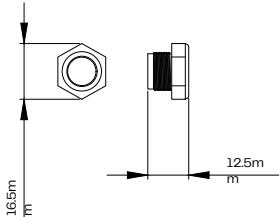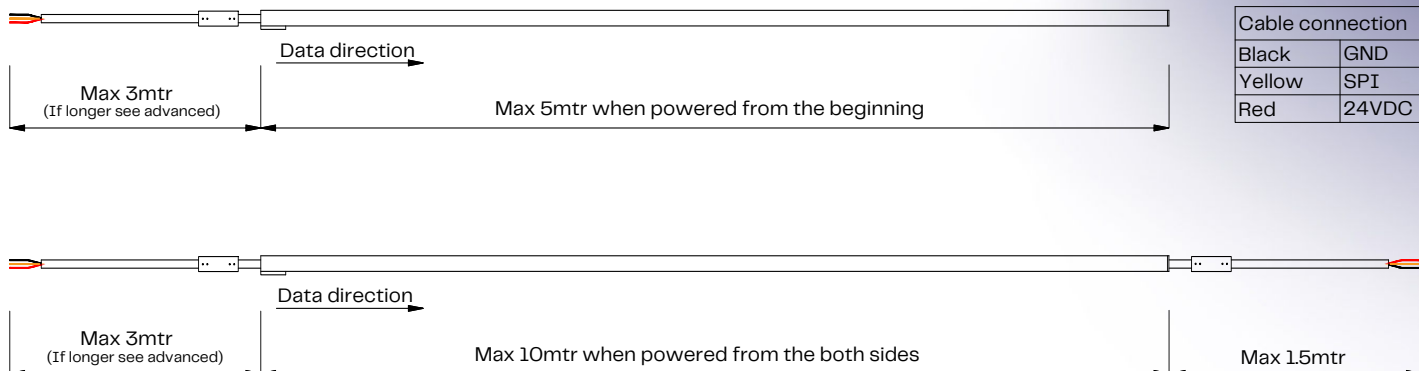
System diagram advanced

DiGidot PxLNet Node
20820

ArtNet

Power Supply

XLG-100-24

Junction box

M12 Power & Data injector cable
3430715

Brown	+24V
Blue	-24V

M12 4pin to Rj45 Input cable
3430755 (15mtr)
3430756 (30mtr)
3430757 (50mtr)

Data direction

Starting group with a total length of 5mtr

Power Supply

XLG-100-24

Junction box

M12 3 pin Power cable single feed
3430414

Brown	+24V
Blue	-24V

M12 3 pin End cap
3430012

Repeat group after every 5mtr until the total length of 68mtr of the complete line

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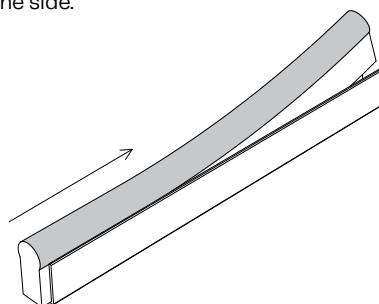
Tips:
– Before powering the system, check if all polarities are aligned.
– It's recommended to install longer lengths with two persons.

Bending direction Neonflex.

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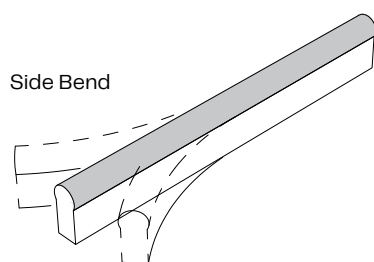
When using mounting profiles make sure the neonflex is pushed in from one side.

Minimum bending diameter of the Neonflex.

Shape 1616
150mm

Shape 1121
80mm

Shape 1128
80mm