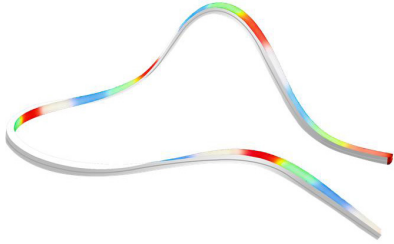


TRAXON Plus⁺

Pixel Ribbon Plus Multi Bend



Project: _____
Type: _____



DMX 512



IP67



IK08

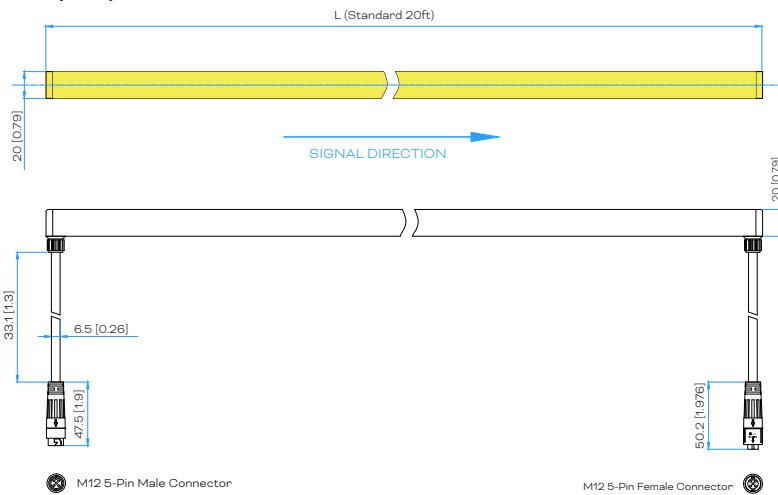
Traxon Pixel Ribbon Plus is a flexible, IP67-rated LED strip engineered as a durable outdoor alternative to neon. Designed for architectural and façade applications, the series includes Multi Bend options that easily follow curves and complex structures. With individually controllable pixels, a 4 in / 100 mm pixel pitch, and an open beam that delivers smooth, uniform illumination, Pixel Ribbon Plus is ideal for high-impact, full-color lighting displays. The range is available in multiple colors and CCTs, offers a variety of mounting solutions, and can be specified in custom lengths to suit diverse project requirements.

Features

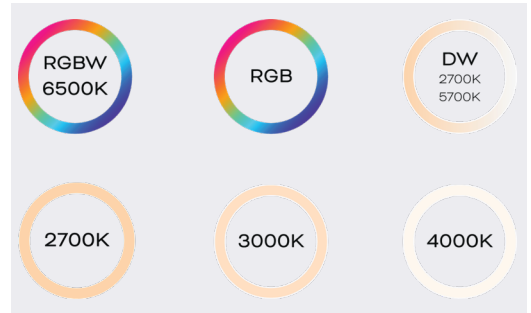
- IP67 Rating: Suitable for outdoor use, protected against dust and water.
- DMX512 Control.
- Diffused material ensures seamless illumination.
- Pixel Pitch: 4" / 100mm pixel pitch, allowing for precise pixel control.

Dimensions

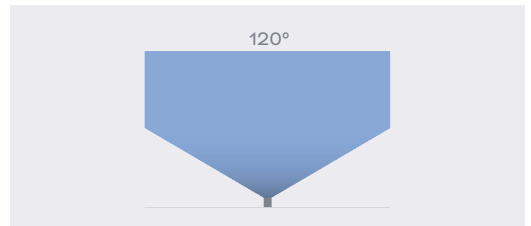
Bottom cable feed (BF)
Unit: mm [inches]



Color Options



Beam Angle



NOTE: please see Dimensional page for all options.

Product Specifications

LED Color	RGBW (W: 6500K)	RGB	DW (W: 2700K+5700K)	W 4000K	W 3000K	W2700K
Light Source	High intensity SMT RGBW 4 in 1 LEDs			White LEDs		
Color Range	16.7 Million additive RGB colors			N / A		
Pixels	3 pixels/ft					
LED pitch	RGBW, RGB, DW: 14.2mm [0.56"] W4000K, W3000K, W2700K: 14.2mm [0.56"]					
Pixel Pitch	4" / 100mm					
Cutting Pitch	4" / 100mm					
CRI for White LED	> 80					
SDCM for White LED	White Color uniformity: 3 SDCM					
Luminous Flux	136 lm/ft	79 lm/ft	199 lm/ft	212 lm/ft	198 lm/ft	192 lm/ft
Efficacy	31.0 lm/W	22.5 lm/W	68.1 lm/W	72.5 lm/W	67.6 lm/W	65.5 lm/W
Beam Angles	120°					
Housing	Diffused silicone, UV resistant					
Mounting	Various mounting channels, brackets or strips					
Dimensions (W x H)	20mm [0.79"] x 20mm [0.79"]					
Max. Length	6.1m [20'] / roll					
Weight (per roll)	1.6kg [3.53lbs]					
Minimum Bend Radius	300mm [11.81"]					
Regulatory Listing & Safety Approval	cETLus, FCC, ANSI 3G					
Operating Temperature	-20°C to +50°C / -4°F to 122°F					
Storage Temperature	-40°C to +70°C / -40°F to 158°F					
Environment	Outdoor, IP67, suitable for coastal environment, IK08					
Humidity	0 to 90% non-condensing					

Electrical Specifications

Input Voltage	24V DC					
Power Consumption (Typ)	4.4 W/ft	3.5 W/ft	2.9 W/ft	2.9 W/ft	2.9 W/ft	2.9 W/ft

System Specifications

Control	DMX512
Power Supply	24V DC Outdoor
Addressing Options	Manual Addressing with TX Smart Addresser
Chipset	SM19522

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

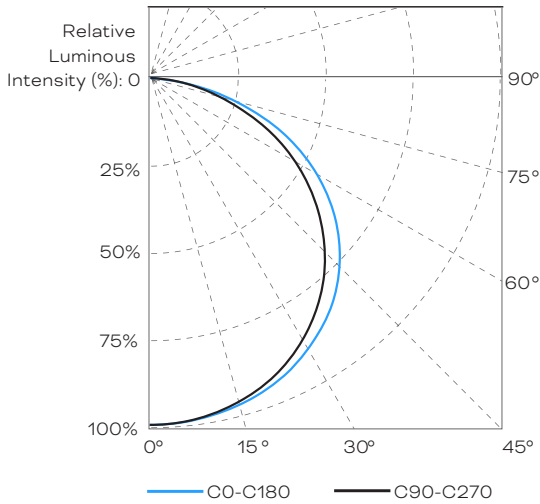
As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

This product contains a light source of energy efficiency class G to Regulation (EU) No 2019/2015. Lumen measurement complies with LM-79-08 standard. Lumen maintenance is calculated based on LM-80 compliant measurement.

Source Specifications

Light Source	High intensity SMT RGBW & White LEDs
Beam Angle	120°

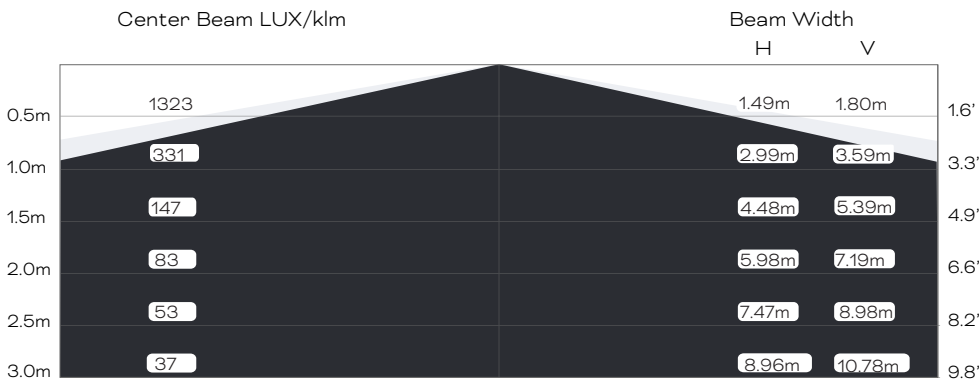
Candela Distribution



Light Output

Color	Luminous Flux (lm/ft)
RGBW	
RGBW (full-on)	138.6
RGB	77.2
Red	16.5
Green	47.0
Blue	12.9
White (RGB off)	61.8
RGB	
RGB (full-on)	77.2
Red	16.5
Green	47.0
Blue	12.9
DW	
DW (full-on)	203.0
WW (2700K)	105.5
CW (5700K)	98.1
White	
2700K	195.0
3000K	201.3
4000K	215.8

Illuminance at a Distance



For fc divide by 10.7

● Horiz.Spread: 112.4°
 ● Vertic.Spread: 121.8°

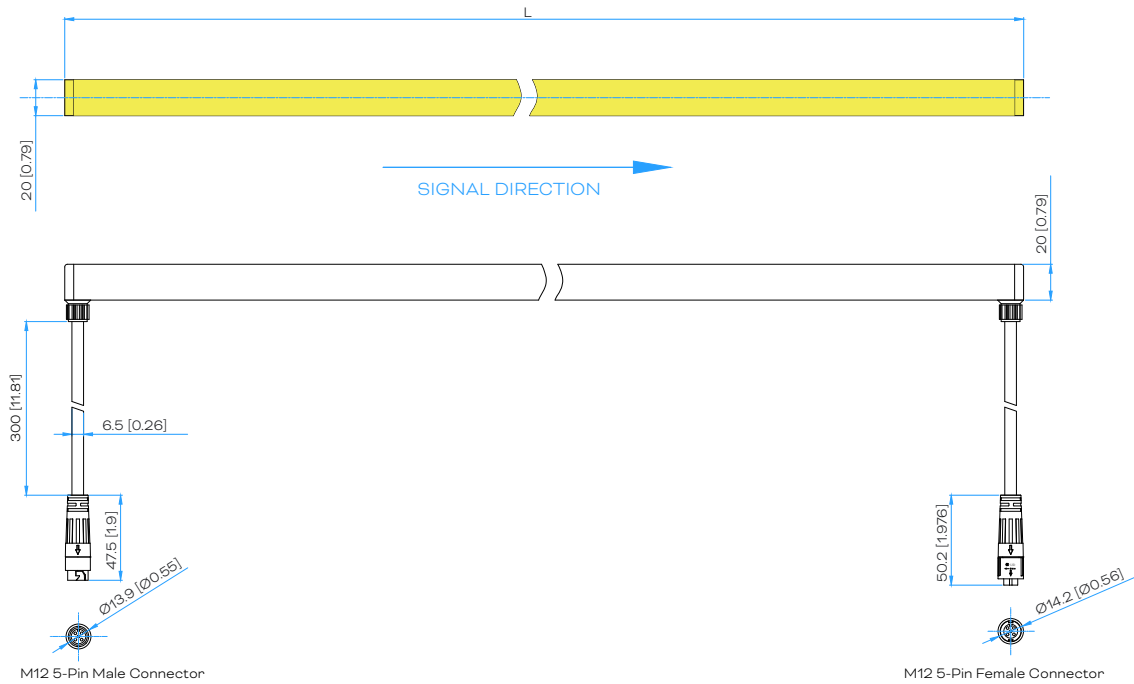
IES and LDT files are available for download from the Traxon website.

Fixture

Min. Ribbon length with single power feed	Max. Ribbon length with single power feed	Actual product length with end cap at 2-ends, L
300mm [11.81"]	6100mm [240.16"]	6106mm [240.39"] ± 10mm [0.39"]

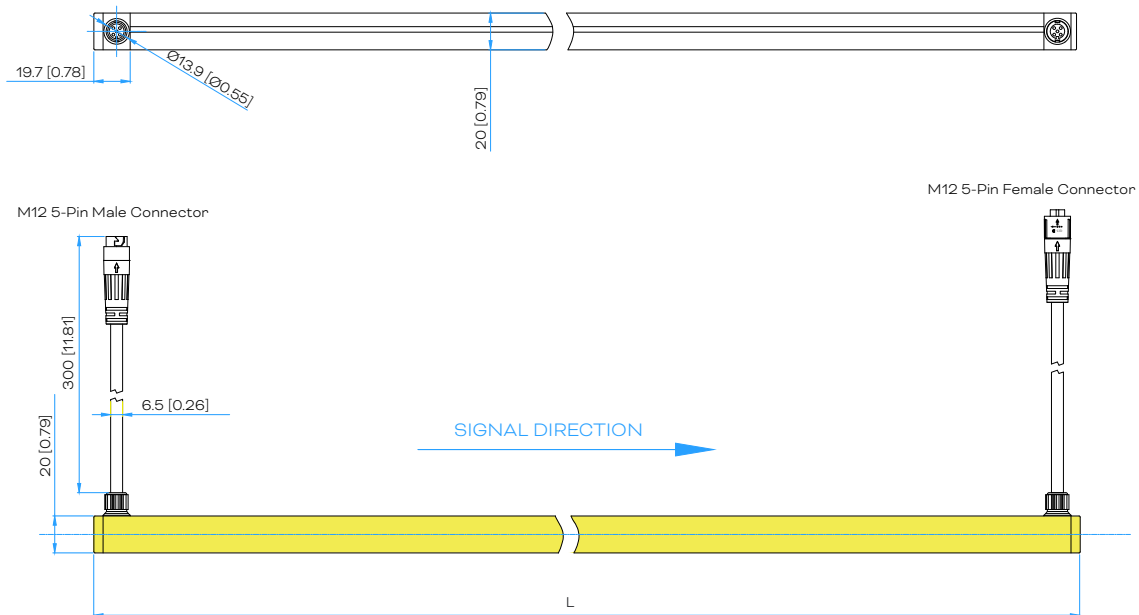
Bottom cable feed (BF)

Unit: mm [inches]



Right side cable feed (RF)

Unit: mm [inches]



Remark: For other customized lengths (in multiple of 4" / 100mm), the minimum production length is 300mm (11.81"), and the actual product length would be the requested length ± 10mm [0.39"].

Fixture

Min. Ribbon length with single power feed

300mm [11.81"]

Max. Ribbon length with single power feed

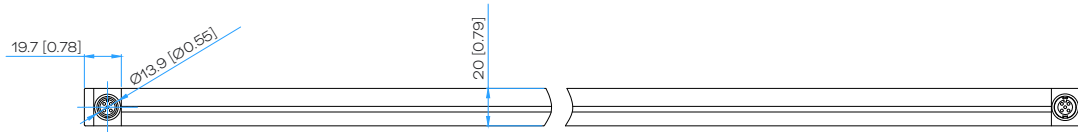
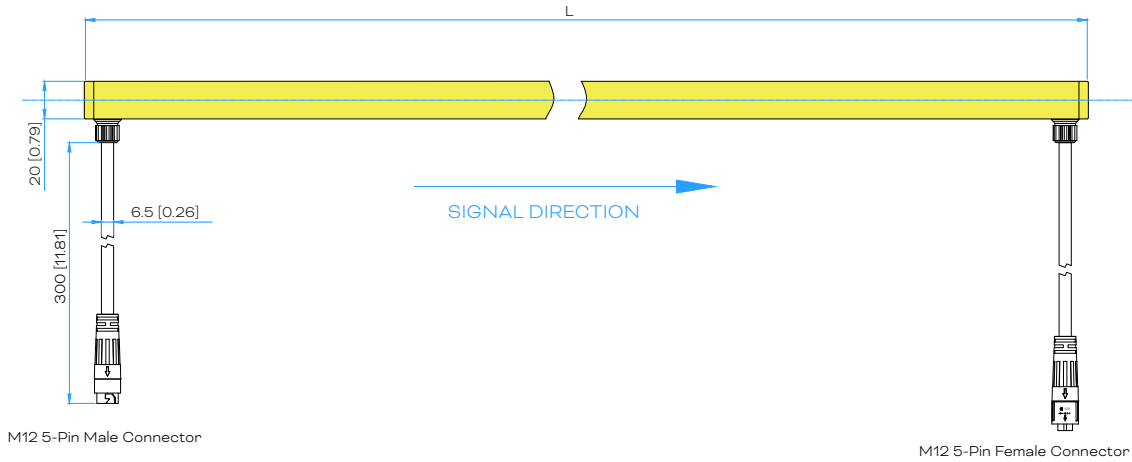
6100mm [240.16"]

Actual product length with end cap at 2-ends, L

6106mm [240.39"] ± 10mm [0.39"]

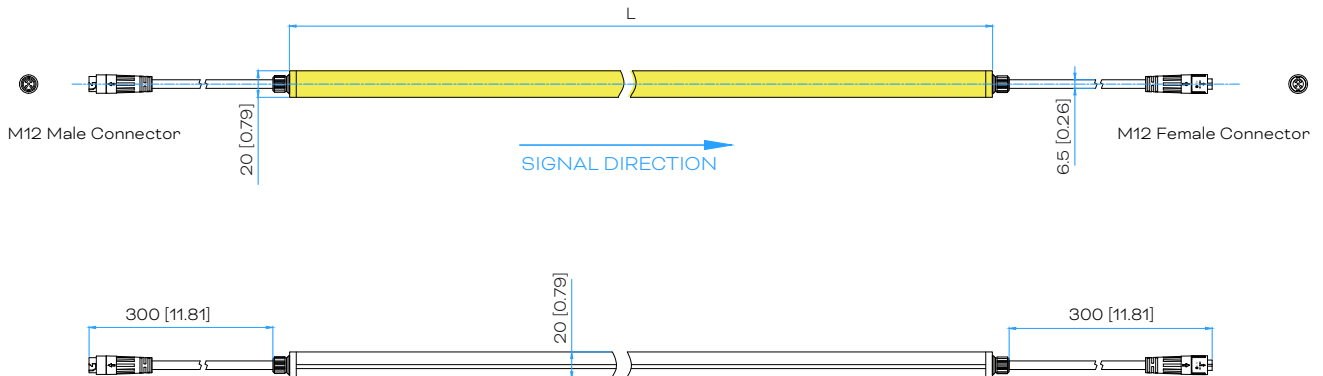
Left side cable feed (LF)

Unit: mm [inches]



End cable feed (EF)

Unit: mm [inches]

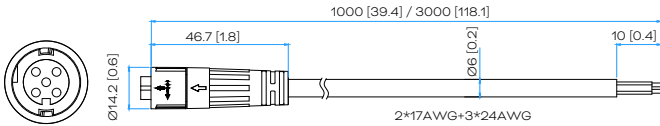


Remark: For other customized lengths (in multiple of 4" / 100mm), the minimum production length is 300mm (11.81"), and the actual product length would be the requested length ± 10mm [0.39"].

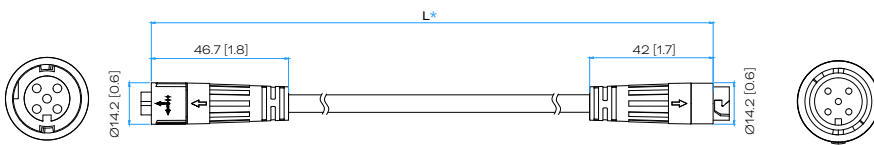
Connection Accessories

Unit: mm [inch]

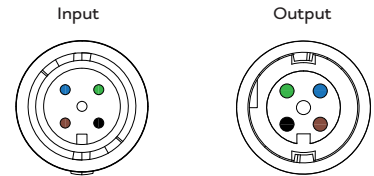
PIXEL RIBBON GO/PLUS 5PIN STARTER CABLE 1M/3M IP67 (DA24202338055/DA24202349055)



INTERCONNECTION CABLE



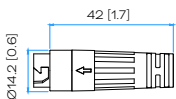
* The cable length can be customized based on specific requirements.



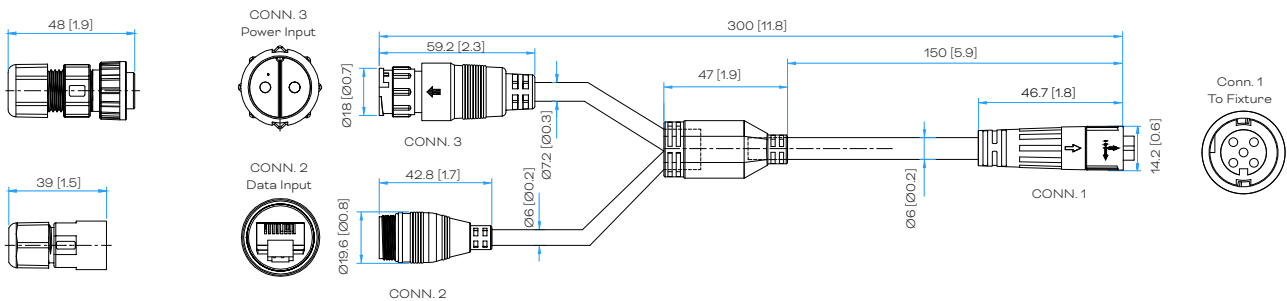
Wire#	Description	Color
1	Address	Green
2	Power -	Black
3	Data +	White
4	Power +	Brown
5	Data -	Blue

NOTE: Do not connect the Address cable.

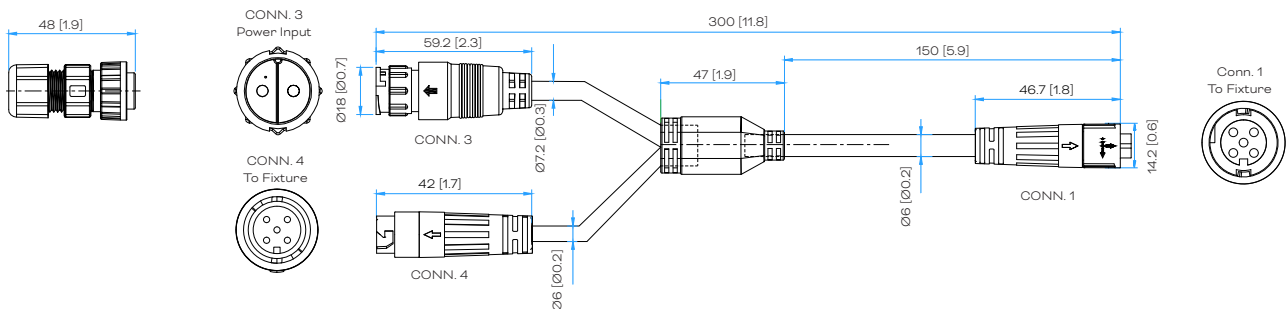
PIXEL RIBBON GO/PLUS 5PIN END CAP 120 OHM IP67 (DA24102371155)



PIXEL RIBBON GO/PLUS POWER RJ45 STARTER Y CABLE IP67 (DA24102371255)



PIXEL RIBBON GO/PLUS POWER INJECTOR Y CABLE IP67 (DA24102371355)

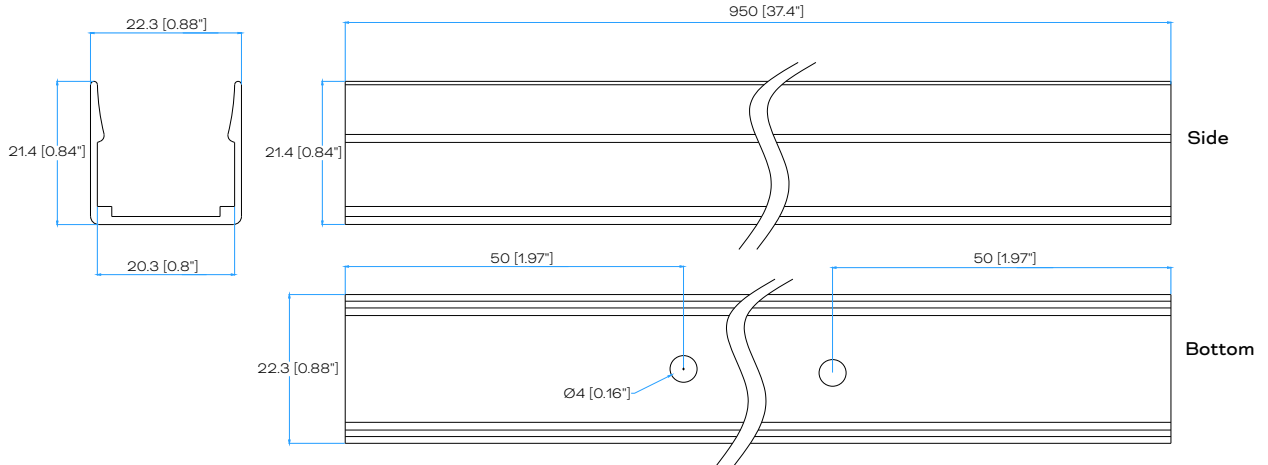


Mounting Accessories

Unit: mm [inch]

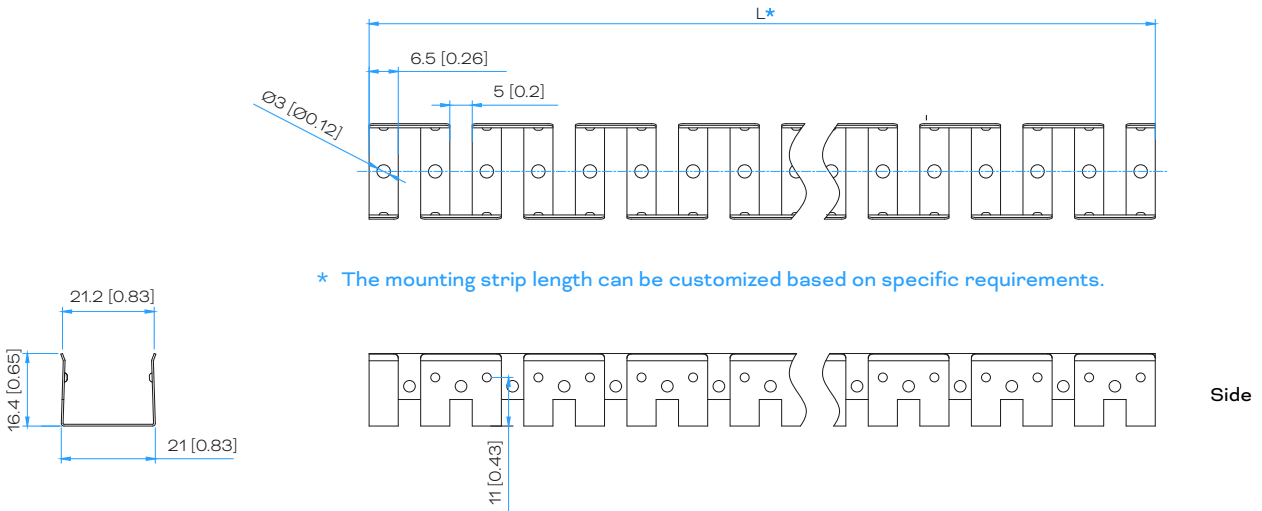
PIXEL RIBBON MB2020 U-CHANNEL 980 (DA26103652755)

Color Finish: Silver



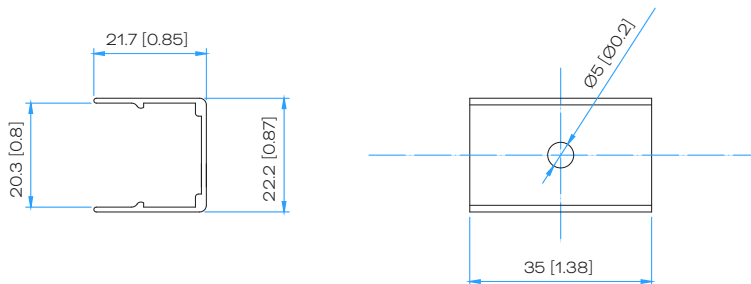
PIXEL RIBBON MB2020 FLEXIBLE MOUNT STRIP 1M/5M (DA26103677455/DA26103652555)

Color Finish: Stainless steel



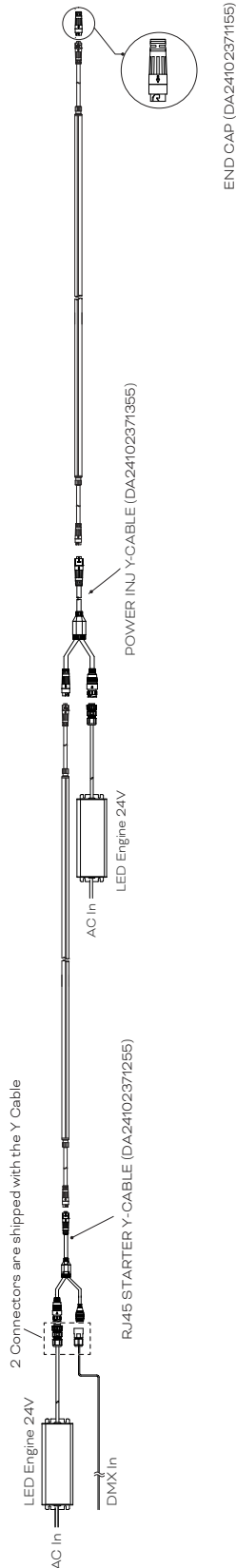
PIXEL RIBBON MB2020 MOUNT BRACKET 20PC (DA26103652655)

Color Finish: Silver



Typical Power Injection with Wiring Y-Cable

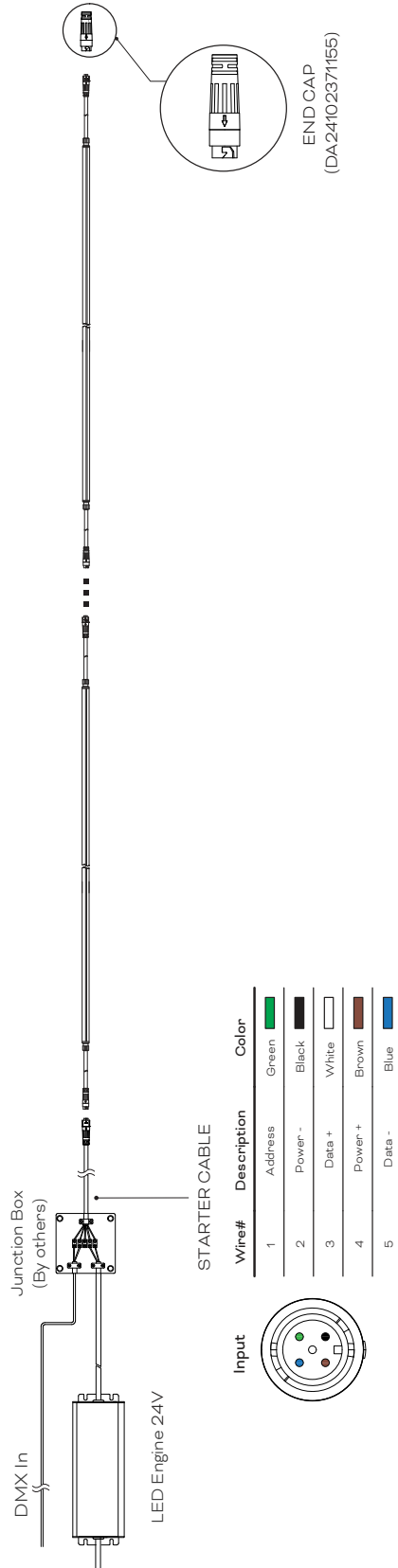
NOTE: Mounting accessories not shown.



NOTE: Power injection is required when Pixel Ribbon Plus connection length reaches the maximum length with single power feed (20'). This wiring diagram shows only typical connections. Actual wiring depends on Ribbon configuration and installation. Actual no. varies according to cable lengths and signal source. Please consult your local Traxon office for aid.

Typical Wiring with Starter Cable

NOTE: Mounting accessories not shown.



NOTE: Do not connect the Address cable.
 This wiring diagram shows only typical connections. Actual wiring depends on Ribbon configuration and installation. Actual no. varies according to cable lengths and signal source.
 Please consult your local Traxon office for aid.

Fixtures Model Number

PRG.	MB.	N	61	A	N	00
	Shape	LED color	Length	Pixels	Cable Feed	
	MB: Multi Bend	1: RGBW (W=6500K)	61: 6100mm	A: 3 Pixels/ ft	1: Bottom feed	
		2: RGB			2: Left feed	
		3: DW (2700K & 5700K)			3: Right feed	
		4: RGBW (W=3000K)			4: End feed	
		5: 2700K				
		6: 3000K				
		7: 4000K				

Desired Model Number:

PRG.	MB.	61	A	N	00
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Fixtures

Model No.	Description	Item Code
PRG.MB.161C100	PIXEL RIBBON PLUS MB RGBW 10PPM 20FT BF	DL26103652055
PRG.MB.261C100	PIXEL RIBBON PLUS MB RGB 10PPM 20FT BF	DL26103652155
PRG.MB.361C100	PIXEL RIBBON PLUS MB DW2757 10PPM 20FT BF	DL26103652255
PRG.MB.661C100	PIXEL RIBBON PLUS MB 830 10PPM 20FT BF	DL26103652355
PRG.MB.161A400	PIXEL RIBBON PLUS MB RGBW 10PPM 20FT EF	DL26103706755
PRG.MB.261A400	PIXEL RIBBON PLUS MB RGB 10PPM 20FT EF	DL26103706855
PRG.MB.361A400	PIXEL RIBBON PLUS MB DW2757 10PPM 20FT EF	DL26103706955
PRG.MB.661A400	PIXEL RIBBON PLUS MB 830 10PPM 20FT EF	DL26103707055
PRG.MB.161A200	PIXEL RIBBON PLUS MB RGBW 10PPM 20FT LF	DL26103707155
PRG.MB.261A200	PIXEL RIBBON PLUS MB RGB 10PPM 20FT LF	DL26103707255
PRG.MB.361A200	PIXEL RIBBON PLUS MB DW2757 10PPM 20FT LF	DL26103707355
PRG.MB.661A200	PIXEL RIBBON PLUS MB 830 10PPM 20FT LF	DL26103707455
PRG.MB.161A300	PIXEL RIBBON PLUS MB RGBW 10PPM 20FT RF	DL26103707555
PRG.MB.261A300	PIXEL RIBBON PLUS MB RGB 10PPM 20FT RF	DL26103707655
PRG.MB.361A300	PIXEL RIBBON PLUS MB DW2757 10PPM 20FT RF	DL26103707755
PRG.MB.661A300	PIXEL RIBBON PLUS MB 830 10PPM 20FT RF	DL26103707855

TX Connect

Description	Item Code
PIXEL RIBBON GO/PLUS 5PIN STARTER CABLE 1M IP67	DA24202338055
PIXEL RIBBON GO/PLUS 5PIN STARTER CABLE 3M IP67	DA24202349055
PIXEL RIBBON GO/PLUS 5PIN END CAP 120 OHM IP67	DA24102371155
PIXEL RIBBON GO/PLUS POWER RJ45 STARTER Y CABLE IP67	DA24102371255
PIXEL RIBBON GO/PLUS POWER INJECTOR Y CABLE IP67	DA24102371355

TX Mounting

Description	Item Code
PIXEL RIBBON MB2020 FLEXIBLE MOUNT STRIP 1M	DA26103677455
PIXEL RIBBON MB2020 FLEXIBLE MOUNT STRIP 5M	DA26103652555
PIXEL RIBBON MB2020 MOUNT BRACKET 20PC	DA26103652655
PIXEL RIBBON MB2020 U-CHANNEL 980	DA26103652755

TX Cutting

Description	Item Code
PX RIBBON CUTTING TOOL	AM412950055
PX RIBBON SEALING GLUE 100ML	AM412960055
RX RIBBON MB FIELD CUT ENDCAP 20PC	AM412970055

TX Power Supply & Control

Model No.	Description	Item Code
	LED ENGINE 100W 24V OUTDOOR	AM175860055
CD.SA.0000100	SMART ADDRESSER	AM438260055

