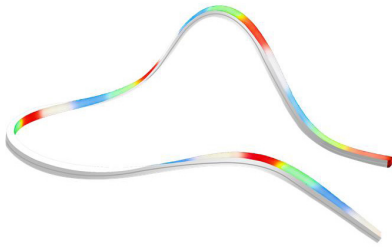


TRAXON Plus⁺

Pixel Ribbon Plus Multi Bend



Project: _____

Type: _____



DMX 512



m:pix



IP67



IK08

The Traxon Pixel Ribbon Plus is a flexible, IP67-rated LED strip designed as an alternative to neon for outdoor applications. The Pixel Ribbon Plus series includes Multi Bend models, which offer the flexibility to conform to any curved surface and adapt to architectural structures. The controllable Pixel Ribbon is ideal for high-quality color lighting displays, featuring an 83mm [3.3"] pixel pitch and an open beam that delivers broad, uniform light distribution. Available in a variety of colors and CCT options, the Pixel Ribbon Plus also provides multiple mounting solutions to meet project requirements and can be ordered in custom lengths.

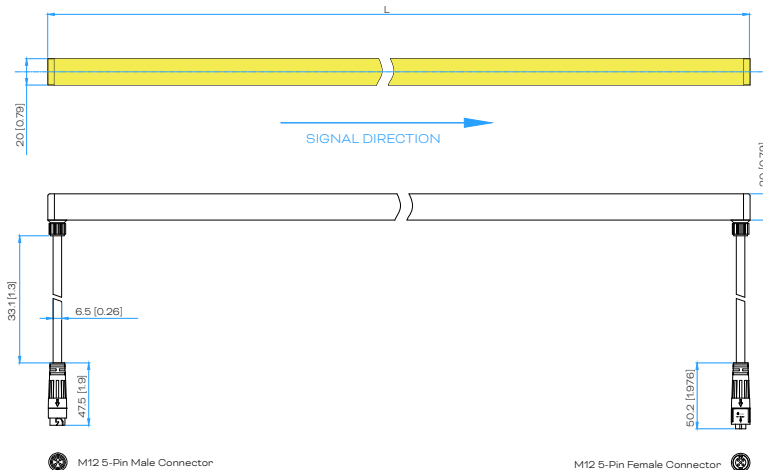
Features

- IP67 Rating: Suitable for outdoor use, protected against dust and water.
- m:pix / DMX512 Control.
- Supports up to 1536 channels..
- Diffused material ensures seamless illumination.
- Pixel Pitch: 83mm [3.3"] pixel pitch, allowing for precise pixel control.

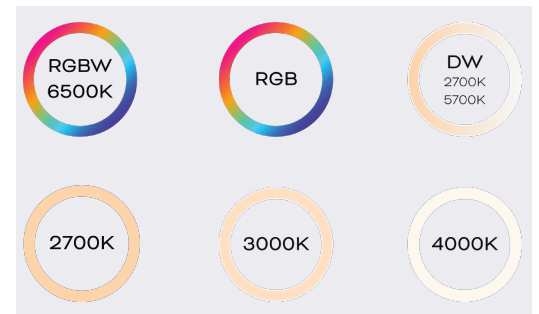
Dimensions

Bottom cable feed (BF)

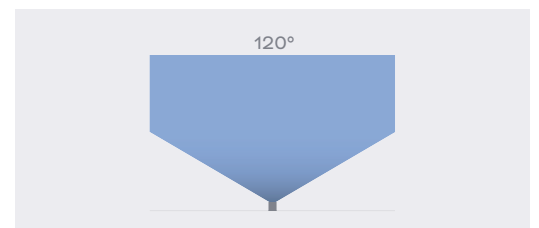
Unit: mm [inches]



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	12 pixels/m					
LED pitch	RGBW, RGB, DW: 13.9mm [0.55"] W4000K, W3000K, W2700K: 13.9mm [0.55"]					
Pixel Pitch	83mm [3.3"]					
Cutting Pitch	83mm [3.3"]					
CRI for White LED	> 80					
SDCM for White LED	White Color uniformity: 3 SDCM					
Luminous Flux	385 lm/m	214 lm/m	564 lm/m	600 lm/m	560 lm/m	542 lm/m
Efficacy	26.7 lm/W	19.4 lm/W	58.7 lm/W	62.5 lm/W	58.3 lm/W	56.5 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	8m [26.25'] / roll	8m [26.25'] / roll	10m [32.81'] / roll	10m [32.81'] / roll	10m [32.81'] / roll	10m [32.81'] / roll
Weight (per roll)	2.1kg [4.63lbs]	2.1kg [4.63lbs]	2.6kg [5.73lbs]	2.6kg [5.73lbs]	2.6kg [5.73lbs]	2.6kg [5.73lbs]
Minimum Bend Radius	300mm [11.81"]					
Regulatory Listing & Safety Approval	CE, UKCA					
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)	14.4 W / m	11 W / m	9.6 W / m	9.6 W / m	9.6 W / m	9.6 W / m

System Specifications

Control	DMX512 / m:pix
Power Supply	24V DC Outdoor
Addressing Options	Manual Addressing with TX Smart Addresser

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.

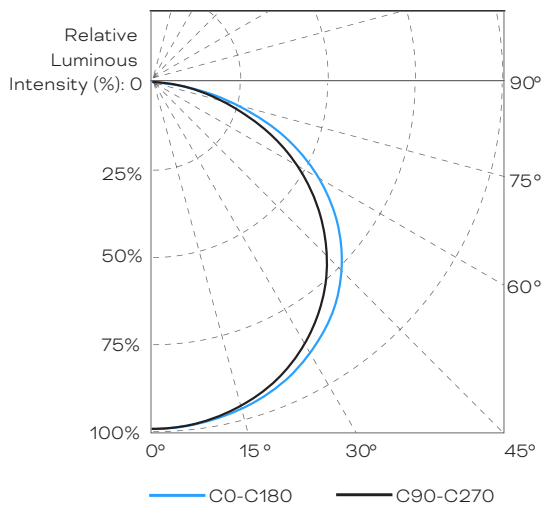
As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of 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°

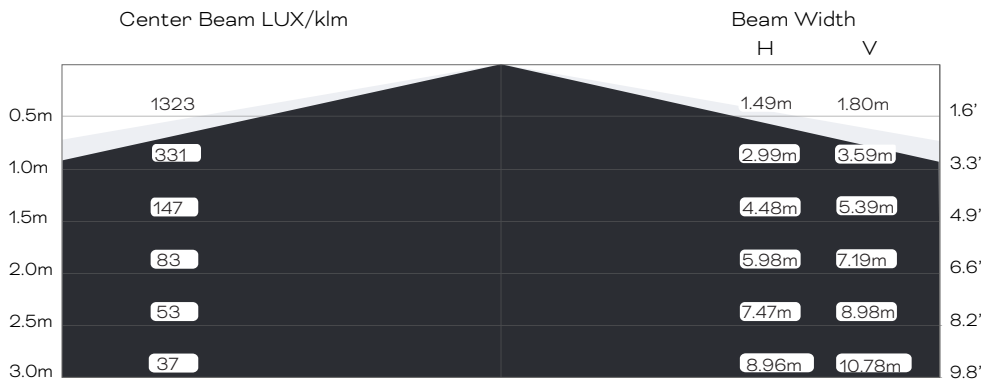
Candela Distribution



Light Output

Color	Luminous Flux (lm/m)
RGBW	
RGBW (full-on)	391.8
RGB	218.1
Red	46.6
Green	132.7
Blue	36.4
White (RGB off)	174.7
RGB	
RGB (full-on)	218.1
Red	46.6
Green	132.7
Blue	36.4
DW	
DW (full-on)	573.8
WW (2700K)	298.1
CW (5700K)	277.3
White	
2700K	551.2
3000K	568.9
4000K	610.0

Illuminance at a Distance



For fc divide by 10.7

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

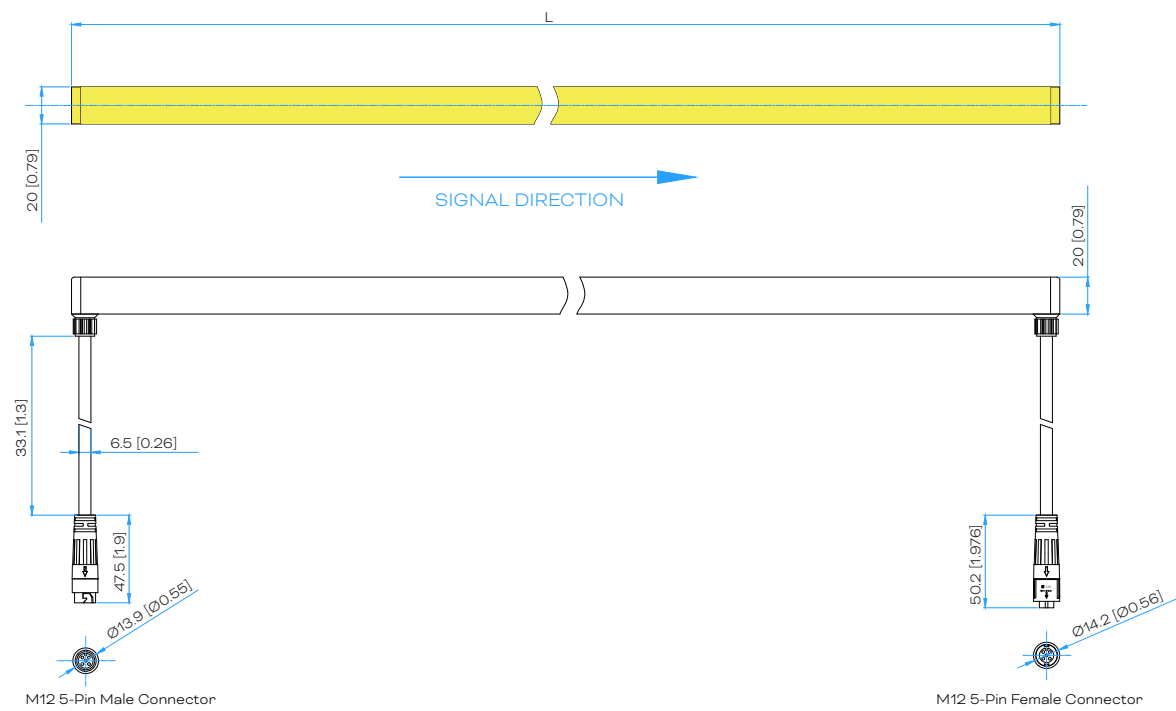
IES and LDT files are available for download from the Traxon website.

Fixture

Model	Max. Ribbon length with single power feed	Actual product length with end cap at 2-ends, L
RGBW (14.4W/m) & RGB (11W/m)	8000mm [315"]	8006mm [315.2"] ± 10mm [0.39"]
DW & W (9.6W/m)	10000mm [393.7"]	10006mm [393.94"] ± 10mm [0.39"]

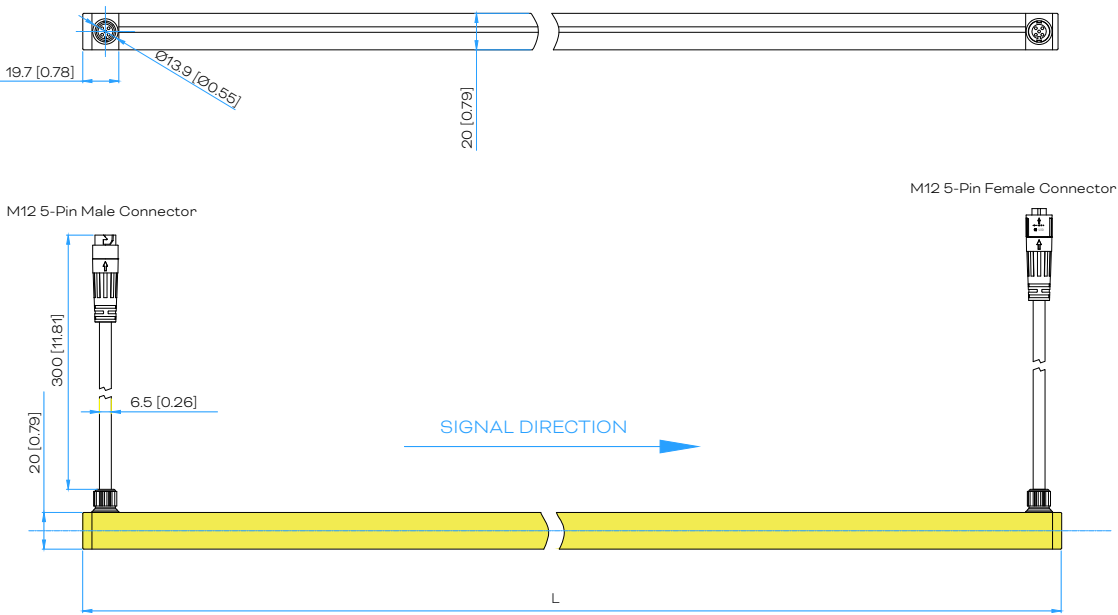
Bottom cable feed (BF)

Unit: mm [inches]



Right side cable feed (RF)

Unit: mm [inches]



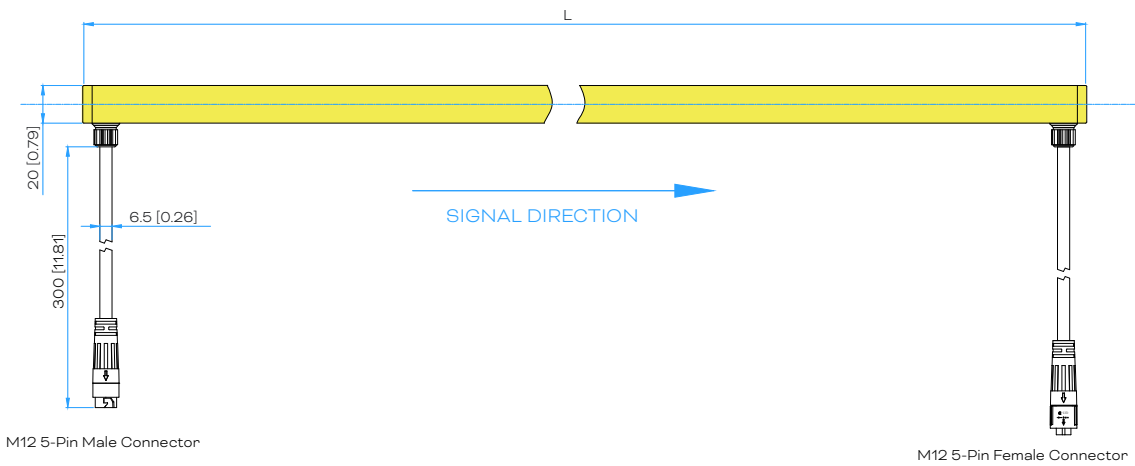
Remark: For other customized lengths (in multiple of 83mm [3.3"]), the actual product length would be the requested length ± 10mm [0.39"].

Fixture

Model	Max. Ribbon length with single power feed	Actual product length with end cap at 2-ends, L
RGBW (14.4W/m) & RGB (11W/m)	8000mm [315"]	8006mm [315.2"] ± 10mm [0.39"]
DW & W (9.6W/m)	10000mm [393.7"]	10006mm [393.94"] ± 10mm [0.39"]

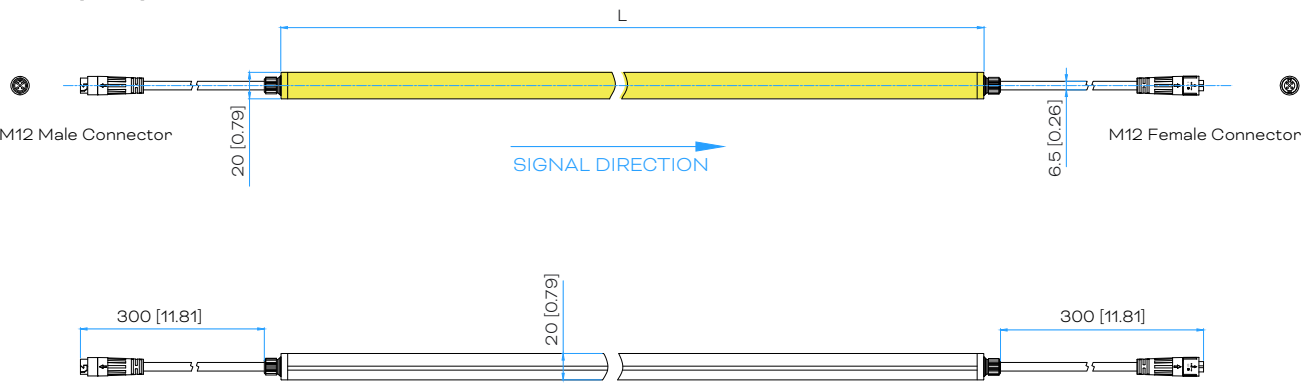
Left side cable feed (LF)

Unit: mm [inches]



End cable feed (EF)

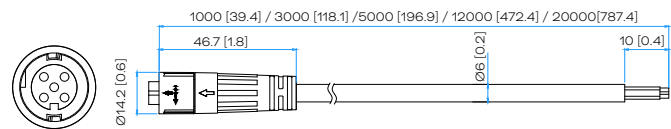
Unit: mm [inches]



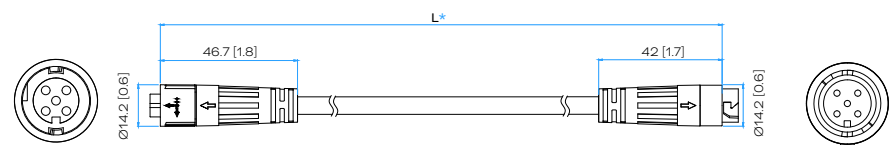
Remark: For other customized lengths (in multiple of 83mm [3.3"]), the actual product length would be the requested length ± 10mm [0.39"].

Connection Accessories

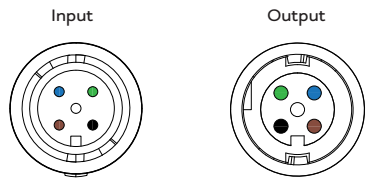
Unit: mm [inch]
PIXEL RIBBON GO/PLUS 5PIN STARTER CABLE 1M/3M/5M/12M/20M IP67
(DA24202338055/DA24202349055/DA24202349155/DA24202349355/DA24202349655)



INTERCONNECTION CABLE



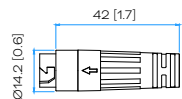
* The cable length can be customized based on specific requirements.



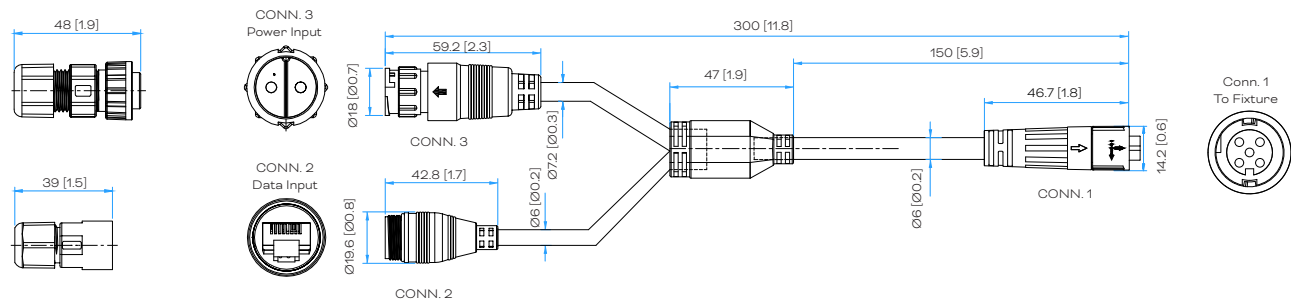
Wire#	Description	Color
1	Address	Green
2	Power -	Black
3	Data +	White
4	Power +	Brown
5	Data -	Blue

NOTE: Do not connect the Address cable.

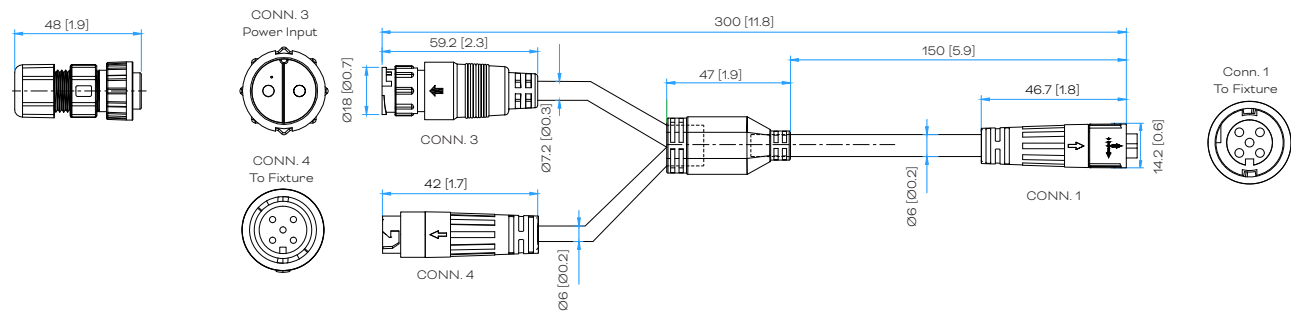
PIXEL RIBBON GO/PLUS 5PIN END CAP 120 OHM IP67 (DA24102371155)



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



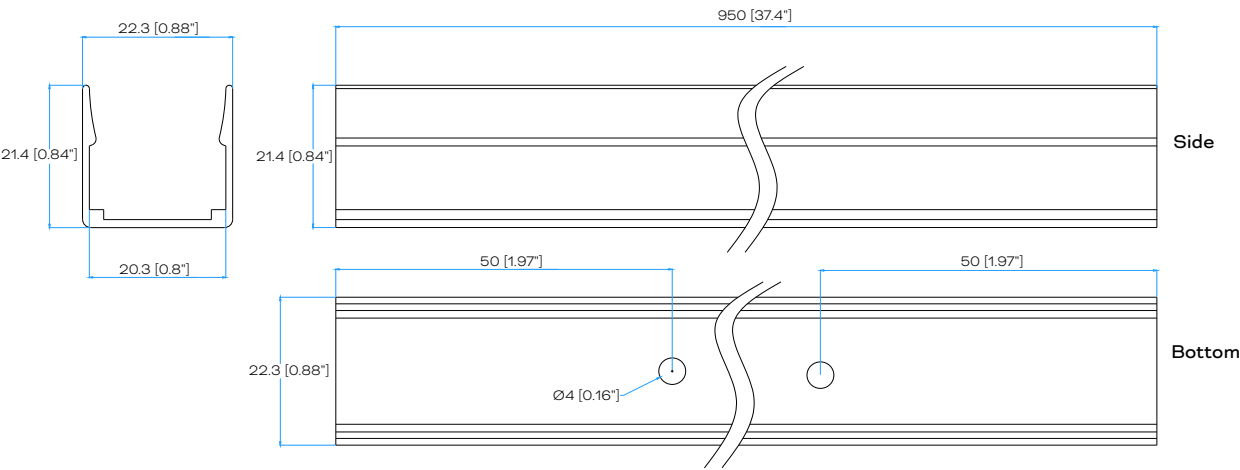
PIXEL RIBBON GO/PLUS POWER INJECTOR Y CABLE IP67 (DA24102371355)



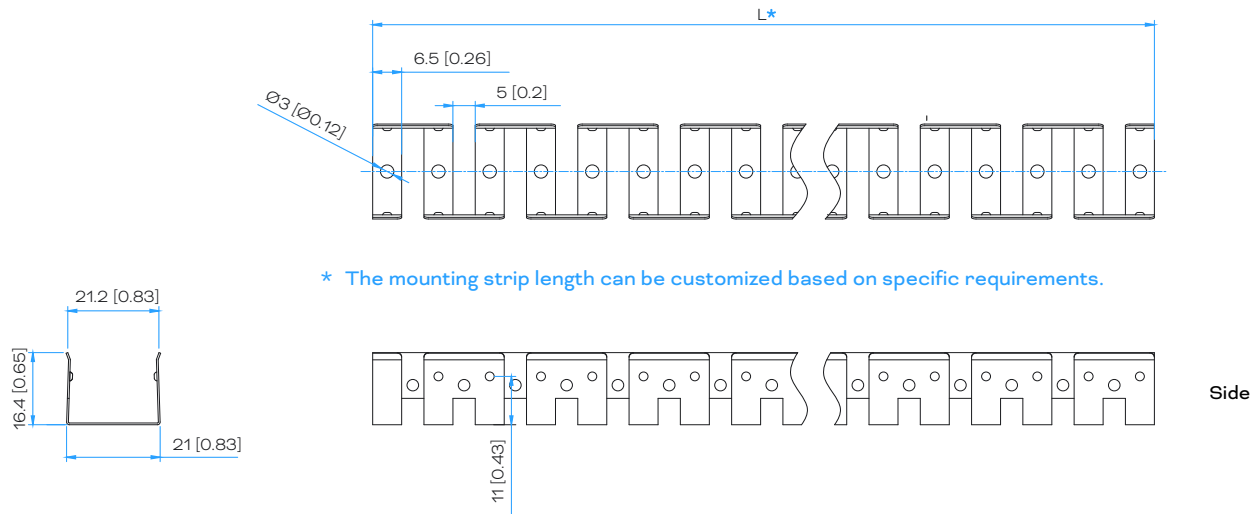
Mounting Accessories

Unit: mm [inch]

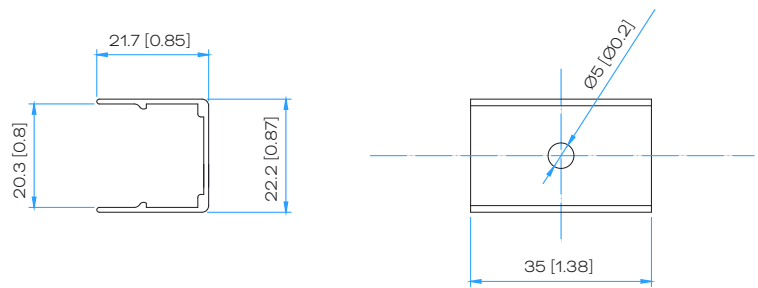
PIXEL RIBBON MB2020 U-CHANNEL 980 (DA26103652755)
Color Finish: Silver



PIXEL RIBBON MB2020 FLEXIBLE MOUNT STRIP 1M/5M (DA26103677455/DA26103652555)
Color Finish: Stainless steel

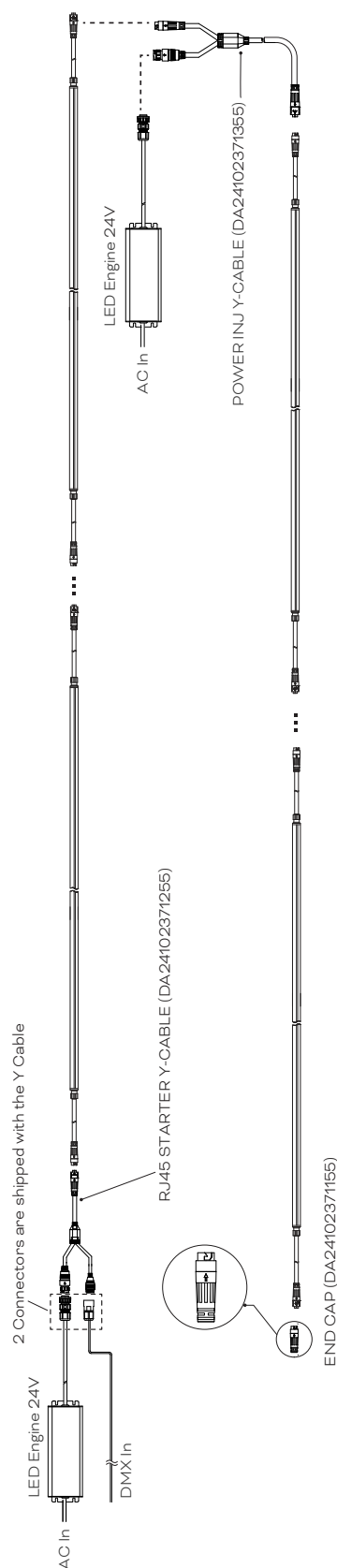


PIXEL RIBBON MB2020 MOUNT BRACKET 20PC (DA26103652655)
Color Finish: Silver



Typical Power Injection with Wiring Y-Cable

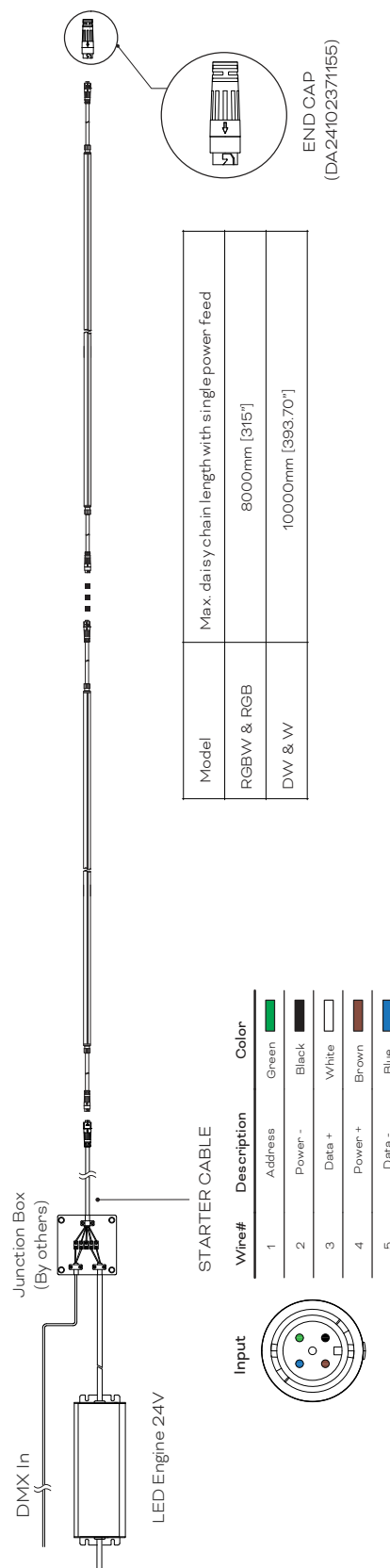
NOTE: Mounting accessories not shown.



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	NN	N	N	00
	Shape	LED color	Length	Pixels	Cable Feed	
	MB.: Multi Bend	1: RGBW (W=6500K)	50: 5000mm	1: 1 Pixel/ meter	1: Bottom feed	
		2: RGB	80: 8000mm	C: 12 Pixels/ meter	2: Side feed	
		3: DW (2700K & 5700K)	00: 10000mm		4: End feed	
		4: RGBW (W=3000K)				
		5: 2700K				
		6: 3000K				
		7: 4000K				

Desired Model Number:

PRG.	MB.		00
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Fixtures

Model No.	Description	Item Code
PRG.MB.180C100	PIXEL RIBBON PLUS MB RGBW 12PPM 8M BF	DL26103651655
PRG.MB.280C100	PIXEL RIBBON PLUS MB RGB 12PPM 8M BF	DL26103651755
PRG.MB.300C100	PIXEL RIBBON PLUS MB DW2757 12PPM 10M BF	DL26103651855
PRG.MB.600C100	PIXEL RIBBON PLUS MB 830 12PPM 10M BF	DL26103651955

TX Connect

Description	Item Code
PIXEL RIBBON GO 5PIN STARTER CABLE 1M IP67	DA24202338055
PIXEL RIBBON GO 5PIN STARTER CABLE 3M IP67	DA24202349055
PIXEL RIBBON GO 5PIN STARTER CABLE 5M IP67	DA24202349155
PIXEL RIBBON GO 5PIN STARTER CABLE 12M IP67	DA24202349355
PIXEL RIBBON GO 5PIN STARTER CABLE 20M IP67	DA24202349655
PIXEL RIBBON GO 5PIN END CAP 120 OHM IP67	DA24102371155
PIXEL RIBBON GO POWER RJ45 STARTER Y CABLE IP67	DA24102371255
PIXEL RIBBON GO POWER INJECTOR Y CABLE IP67	DA24102371355

TX Mounting

Description	Item Code
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
	LED ENGINE 185W 24V OUTDOOR	AM175880055
	LED ENGINE 320W 24V OUTDOOR	AM175900055
CD.SA.0000100	SMART ADDRESSER	AM438260055