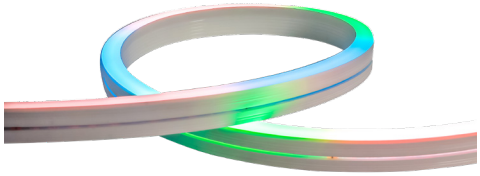
TRAXON Go

Pixel Ribbon Go Side Bend

Project: _____

Type: _____



DMX 512 IP67 IK08

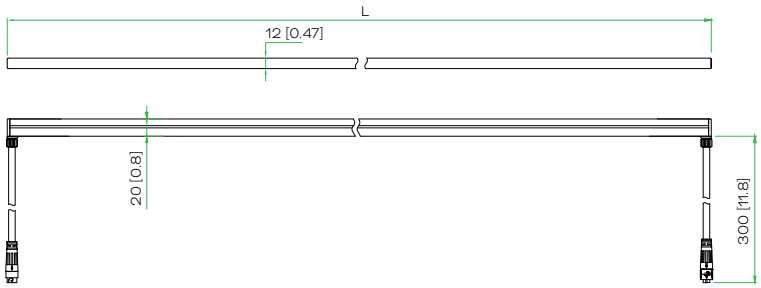
The Traxon Pixel Ribbon Go is an IP67 flexible neon strip alternate designed for outdoor applications. The Pixel Ribbon Go family consists of Top Bend (TB), Side Bending (SB) and Flat models, providing flexibility to fit on any curved surface to accommodate architectural structures. The DMX512-controllable Pixel Ribbon is ideal for high-quality colored light displays, featuring a 100mm [4"] pixel pitch and an open beam that provides broad, uniform light distribution. The Pixel Ribbon Go is available in an assortment of colors and CCT options, has multiple mounting options to meet project needs and can be ordered in specified lengths.

Features

- IP67 Rating: Suitable for outdoor use, protected against dust and water.
- DMX512 Control.
- Diffused material ensures seamless illumination.
- Pixel Pitch: 100mm [4"] / 125mm [5"] pixel pitch, allowing for precise pixel control.

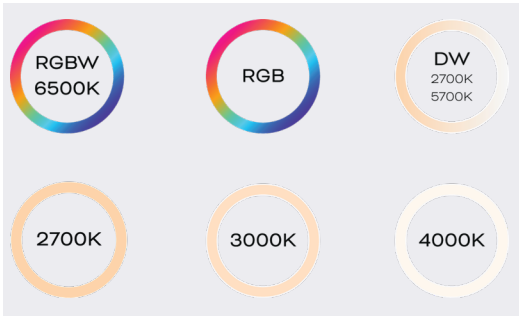
Dimensions

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

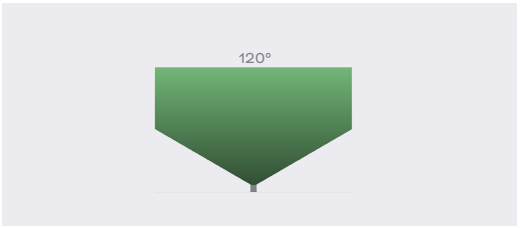


NOTE: please see Dimensional page for all options.

Color Options



Beam Angle



Product Specifications - 10 Pixels per meter

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	10 pixels/m					
LED pitch	RGBW, RGB, DW: 16.7mm [0.66"] W4000K, W3000K, W2700K: 8.3mm [0.33"]					
Pixel Pitch	100 mm [3.93"]					
Cutting Pitch	100 mm [3.93"]					
CRI for White LED	> 80					
SDCM for White LED	White Color uniformity: 3 SDCM					
Luminous Flux	265 lm/m	148 lm/m	370 lm/m	376 lm/m	353 lm/m	342 lm/m
Efficacy	18 lm/W	13 lm/W	39 lm/W	39 lm/W	37 lm/W	36 lm/W
Beam Angles	120°					
Housing	Diffused silicone, UV resistant					
Mounting	Various mounting channels, brackets or strips					
Dimensions (W x H)	12mm [0.47"] 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)	2.7kg [5.95lbs]	2.7kg [5.95lbs]	3.3kg [7.28lbs]	3.3kg [7.28lbs]	3.3kg [7.28lbs]	3.3kg [7.28lbs]
Minimum Bend Radius	150mm [5.91"]					
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	11 W	9.6 W	9.6 W	9.6 W	9.6 W

System Specifications

Control	DMX512
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 compiles with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.

Product Specifications - 8 Pixels per meter

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	8 pixels/m					
LED pitch	RGBW, RGB, DW: 10.4mm [0.41"] W4000K, W3000K, W2700K: 8.9mm [0.35"]					
Pixel Pitch	125 mm [4.92"]					
Cutting Pitch	125 mm [4.92"]					
CRI for White LED	> 80					
SDCM for White LED	White Color uniformity: 3 SDCM					
Luminous Flux	296 lm/m	170 lm/m	378 lm/m	444 lm/m	417 lm/m	404 lm/m
Efficacy	21 lm/W	15 lm/W	39 lm/W	46 lm/W	43 lm/W	42 lm/W
Beam Angles	120°					
Housing	Diffused silicone, UV resistant					
Mounting	Various mounting channels, brackets or strips					
Dimensions (W x H)	12mm [0.47"] 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)	2.7kg [5.95lbs]	2.7kg [5.95lbs]	3.3kg [7.28lbs]	3.3kg [7.28lbs]	3.3kg [7.28lbs]	3.3kg [7.28lbs]
Minimum Bend Radius	150mm [5.91"]					
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	11 W	9.6 W	9.6 W	9.6 W	9.6 W

System Specifications

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

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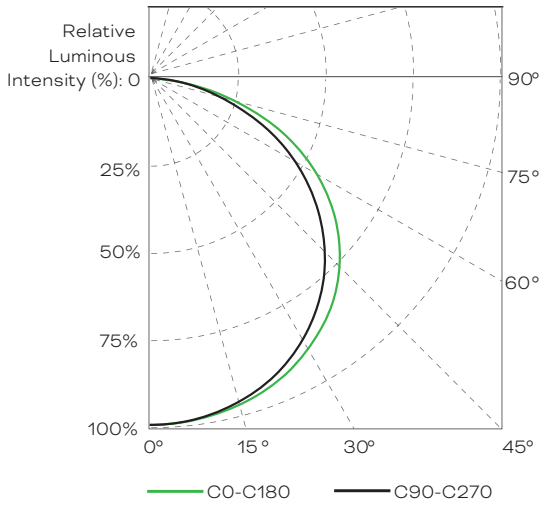
As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of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

10 Pixels per meter

Color	Luminous Flux (lm)
RGBW	
RGBW (full-on)	264.6
RGB	147.81
Red	31.51
Green	89.78
Blue	24.47
White (RGB off)	118.1
RGB	
RGB (full-on)	147.81
Red	31.51
Green	89.78
Blue	24.47
DW	
DW (full-on)	370.5
WW (2700K)	192.9
CW (5700K)	178.9
White	
2700K	341.95
3000K	353.18
4000K	375.9

8 Pixels per meter

Color	Luminous Flux (lm)
RGBW	
RGBW (full-on)	296.1
RGB	170.1
Red	34.9
Green	108.3
Blue	27.88
White (RGB off)	124.6
RGB	
RGB (full-on)	170.1
Red	34.9
Green	108.3
Blue	27.88
DW	
DW (full-on)	378.48
WW (2700K)	194.22
CW (5700K)	181.27
White	
2700K	403.49
3000K	416.83
4000K	443.9

Illuminance at a Distance

For fc divide by 10.7

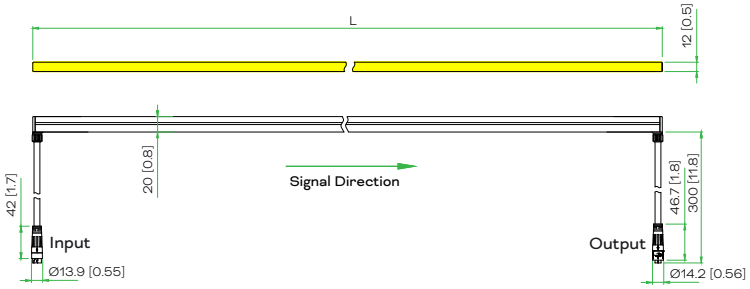
IES and LDT files are available for download from the Traxon website.

Fixture

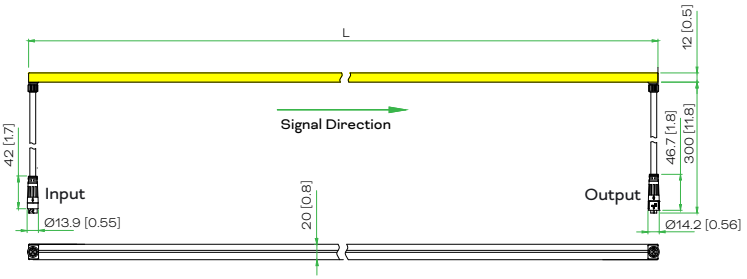
Model	Max. Ribbon length with single power feed	Actual product length with end cap at 2-ends, L
RGBW (14.4W/m) & RGB (11W/m)	8000mm [315"]	8006mm [315.2"] ± 10mm [0.39"]
DW & W (9.6W/m)	10000mm [393.7"]	10006mm [393.94"] ± 10mm [0.39"]

Unit: mm [inch]

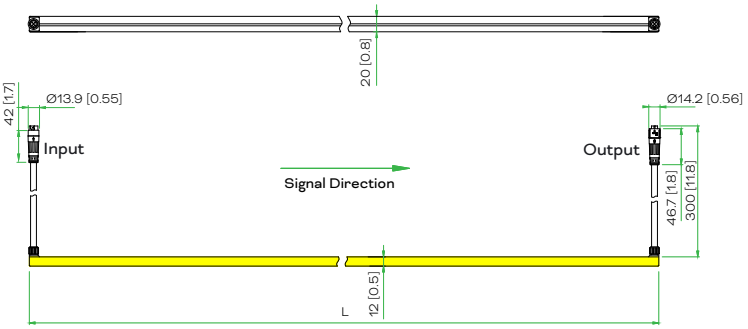
Bottom cable feed (BF)



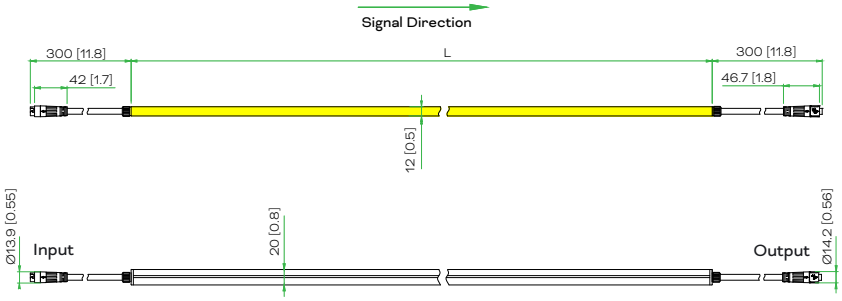
Left cable feed (LF)



Right cable feed (RF)



End cable feed (EF)

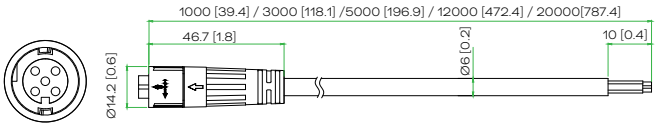


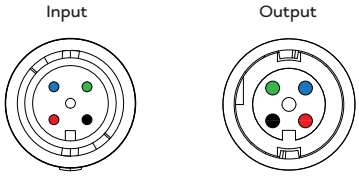
Remark: For other customized lengths (in multiple of 100mm / 4"), the actual product length would be the requested length ± 10mm [0.39"].

Connection Accessories

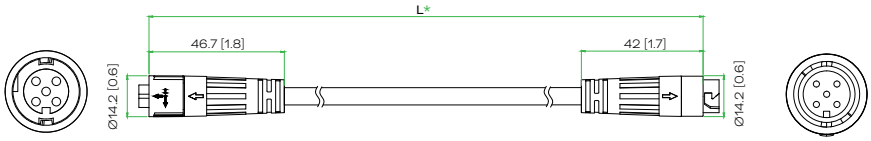
Unit: mm [inch]

PIXEL RIBBON GO 5PIN STARTER CABLE 1M/3M/5M/12M/20M IP67
(DA24202338055/DA24202349055/DA24202349155/DA24202349355/DA24202349655)





INTERCONNECTION CABLE

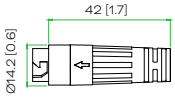


* The cable length can be customized based on specific requirements.

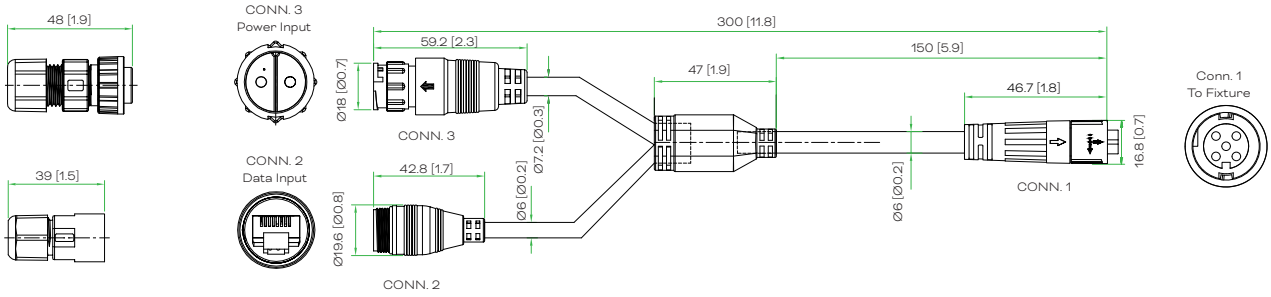
Wire#	Description	Color
1	Address	Green
2	Power -	Black
3	Data +	White
4	Power +	Red
5	Data -	Blue

NOTE: Do not connect the Address cable.

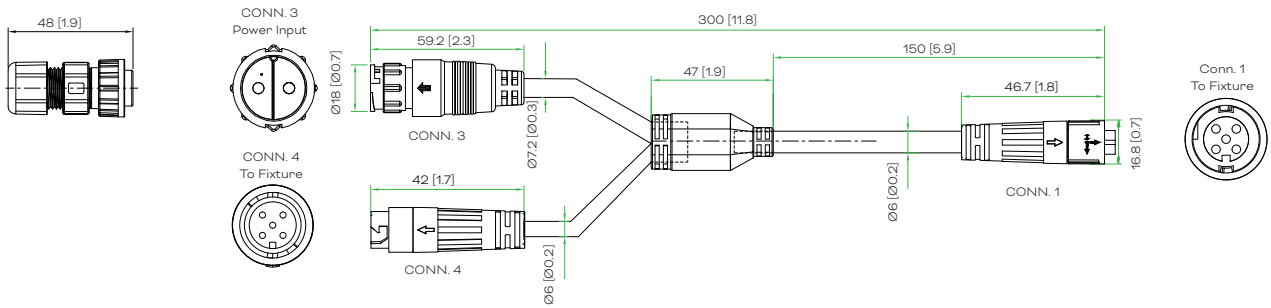
PIXEL RIBBON GO 5PIN END CAP 120 OHM IP67 (DA24102371155)



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



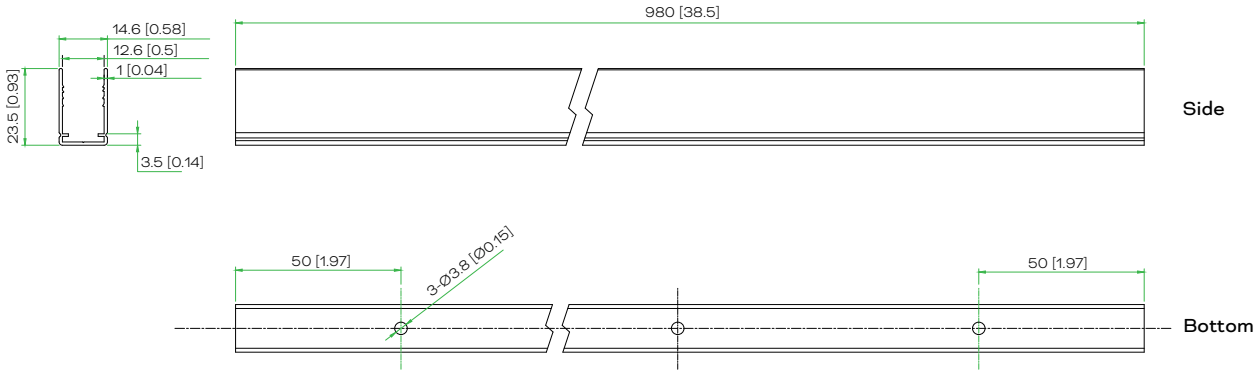
PIXEL RIBBON GO POWER INJECTOR Y CABLE IP67 (DA24102371355)



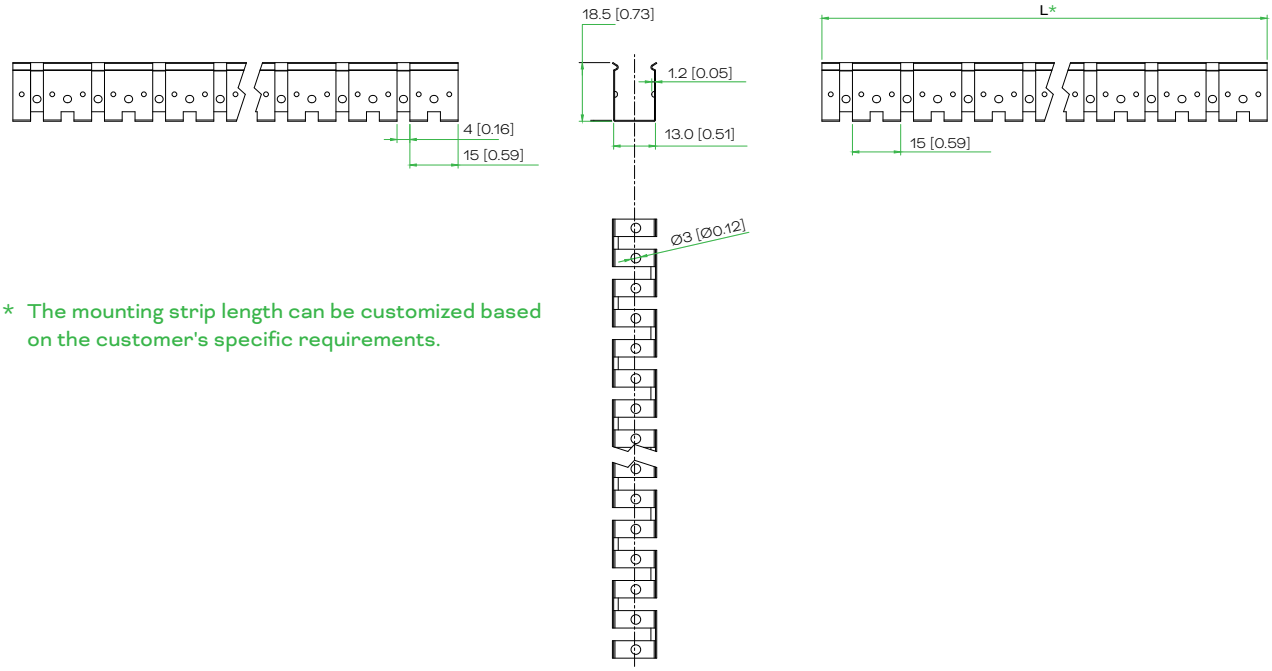
Mounting Accessories

Unit: mm [inch]

PIXEL RIBBON GO SB1220 U-CHANNEL 980 (DA24102366355)

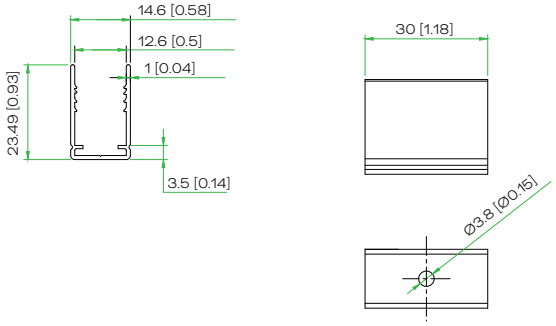


PIXEL RIBBON GO SB1220 FLEXIBLE MOUNT 5M (DA24102366155)



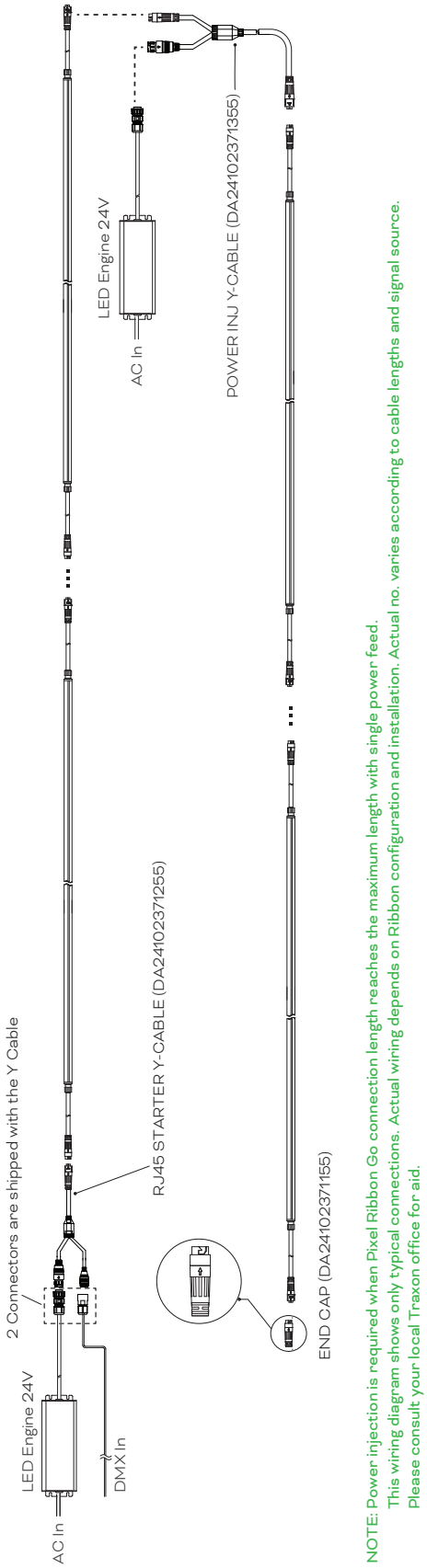
* The mounting strip length can be customized based on the customer's specific requirements.

PIXEL RIBBON GO SB1220 MOUNT BRACKET 20PC (DA24102366255)



Typical Power Injection with Wiring Y-Cable

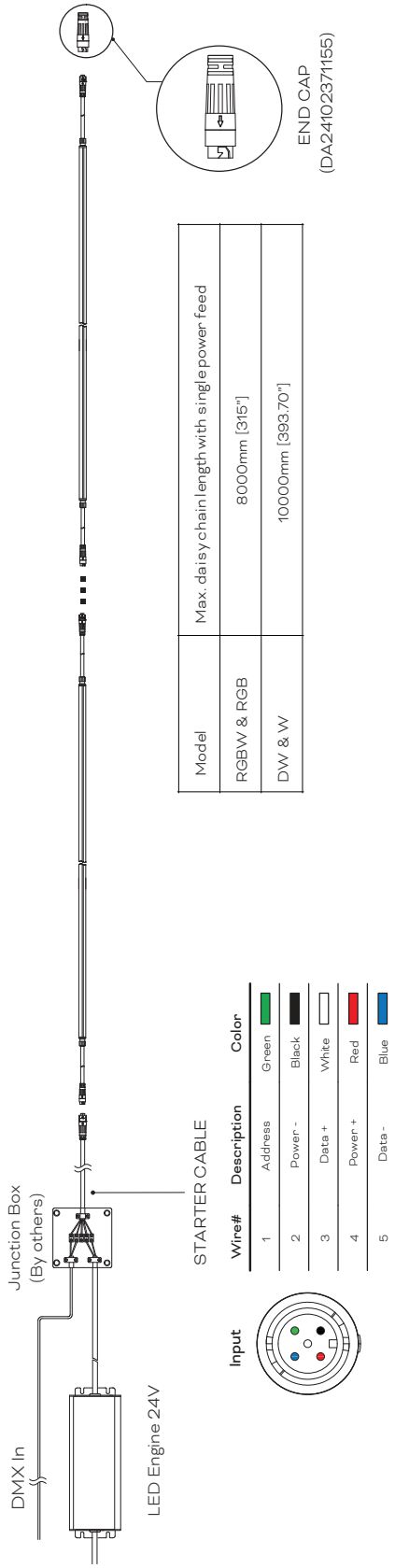
NOTE: Mounting accessories not shown.



NOTE: Power injection is required when Pixel Ribbon Go connection length reaches the maximum length with single power feed.
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.



Fixtures Model Number

PRG.	SB.	N	NN	N	N	00
	Shape	LED color	Length	Pixels	Cable Feed	
	SB.: Side Bend	1: RGBW (W=6500K)	50: 5000mm	1: 1 Pixel/ meter	1: Bottom feed	
		2: RGB	80: 8000mm	8: 8 Pixels/ meter	2: Left Side feed	
		3: DW (2700K & 5700K)	00: 10000mm	A: 10 Pixels/ meter	3: Right Side feed	
		4: RGBW (W=3000K)			4: End feed	
		5: 2700K				
		6: 3000K				
		7: 4000K				

Desired Model Number:

PRG.	SB.	00

Fixtures

Model No.	Description	Item Code
PRG.SB.1808100	PIXEL RIBBON GO SB RGBW 8PPM 8M BF DOTLESS	DL24102361355
PRG.SB.2808100	PIXEL RIBBON GO SB RGB 8PPM 8M BF DOTLESS	DL24102361455
PRG.SB.3008100	PIXEL RIBBON GO SB DW2757 8PPM 10M BF DOTLESS	DL24102361555
PRG.SB.6008100	PIXEL RIBBON GO SB 830 8PPM 10M BF DOTLESS	DL24102361655
PRG.SB.180A100	PIXEL RIBBON GO SB RGBW 10PPM 8M BF	DL24102361755
PRG.SB.280A100	PIXEL RIBBON GO SB RGB 10PPM 8M BF	DL24102361855
PRG.SB.300A100	PIXEL RIBBON GO SB DW2757 10PPM 10M BF	DL24102361955
PRG.SB.600A100	PIXEL RIBBON GO SB 830 10PPM 10M BF	DL24102362055

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 GO SB1220 FLEXIBLE MOUNT 5M	DA24102366155
PIXEL RIBBON GO SB1220 MOUNT BRACKET 20PC	DA24102366255
PIXEL RIBBON GO SB1220 U-CHANNEL 980	DA24102366355

TX Cutting

Description	Item Code
PX RIBBON CUTTING TOOL	AM412950055
PX RIBBON SEALING GLUE 100ML	AM412960055
PIXEL RIBBON GO SB FIELDCUT ENDCAP 20PC	DA24102365955

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