



TRAXON Go⁺

Pixel Ribbon Go Flat



Project: _____

Type: _____



DMX 512



IP67

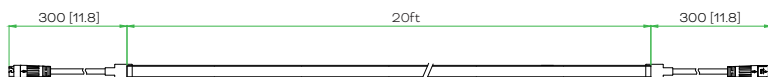
The Traxon Pixel Ribbon Go is an IP67 flexible neon strip alternate designed for outdoor applications. The Pixel Ribbon Go family consists of Top Bend (TB), Side Bending (SB) and Flat models, providing flexibility to fit on any curved surface to accommodate architectural structures. The DMX512-controllable 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

- DMX512 Control.
- Pixel Pitch: 100mm [4"] pixel pitch, allowing for precise pixel control.
- Molded end caps provide more reliable waterproof performance.

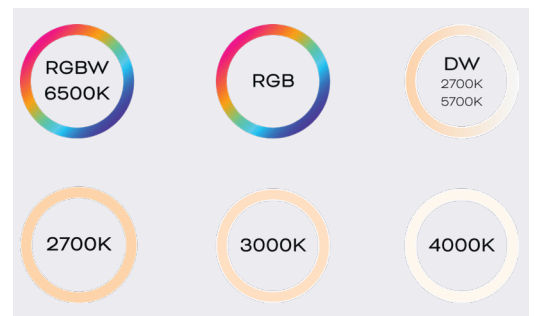
Dimensions

Unit: mm [inch]

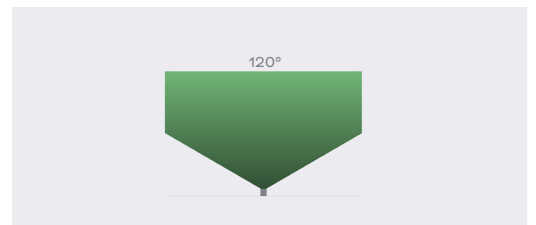


NOTE: please see Dimensional page for all options.

Color Options



Beam Angle





Pixel Ribbon Go Flat

Specifications

Product Specifications - Clear

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: 16.7mm [0.66"] DW, 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	180 lm/ft	99 lm/ft	252 lm/ft	260 lm/ft	241 lm/ft	233 lm/ft
Efficacy	41 lm/W	29 lm/W	87 lm/W	89 lm/W	84 lm/W	81 lm/W
Beam Angles	120°					
Housing	Clear silicone, UV resistant					
Mounting	Various mounting channels, brackets or strips					
Dimensions (W x H)	14mm [0.55"] x 5mm [0.20"]					
Max. Length	6.1m [20'] / roll					
Weight (per roll)	0.8kg [1.76lbs]	0.8kg [1.76lbs]	0.7kg [1.54bs]	0.7kg [1.54bs]	0.7kg [1.54bs]	0.7kg [1.54bs]
Minimum Bend Radius	50mm [1.97"]					
Regulatory Listing & Safety Approval	cETLus, FCC					
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					
Humidity	0 to 90% non-condensing					

Electrical Specifications

Input Voltage	24V DC					
Power Consumption (Typ)	4.3 W/ft	3.3 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

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.



Product Specifications - Diffused

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: 16.7mm [0.66"] DW, 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	146 lm/ft	80 lm/ft	204 lm/ft	211 lm/ft	195 lm/ft	189 lm/ft
Efficacy	34 lm/W	24 lm/W	71 lm/W	73 lm/W	68 lm/W	66 lm/W
Beam Angles	120°					
Housing	Diffused silicone, UV resistant					
Mounting	Various mounting channels, brackets or strips					
Dimensions (W x H)	14mm [0.55"] x 5mm [0.20"]					
Max. Length	6.1m [20'] / roll					
Weight (per roll)	0.8kg [1.76lbs]	0.8kg [1.76lbs]	0.7kg [1.54bs]	0.7kg [1.54bs]	0.7kg [1.54bs]	0.7kg [1.54bs]
Minimum Bend Radius	50mm [1.97"]					
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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					
Humidity	0 to 90% non-condensing					

Electrical Specifications

Input Voltage	24V DC					
Power Consumption (Typ)	4.3 W/ft	3.3 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

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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.

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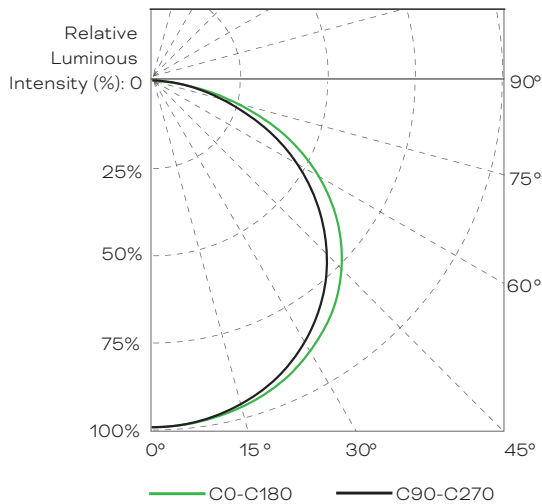
Pixel Ribbon Go Flat

Photometrics

Source Specifications

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

Candela Distribution



Light Output

Clear		Diffused	
Color	Luminous Flux (lm/ft)	Color	Luminous Flux (lm/ft)
RGBW		RGBW	
RGBW (full-on)	179.9	RGBW (full-on)	145.7
RGB	99.5	RGB	80.6
Red	21.8	Red	17.7
Green	56.2	Green	45.5
Blue	16.2	Blue	13.1
White (RGB off)	79.9	White (RGB off)	64.7
RGB		RGB	
RGB (full-on)	99.5	RGB (full-on)	80.6
Red	21.8	Red	17.7
Green	56.2	Green	45.5
Blue	16.2	Blue	13.1
DW		DW	
DW (full-on)	251.7	DW (full-on)	203.9
WW (2700K)	131.0	WW (2700K)	106.1
CW (5700K)	121.6	CW (5700K)	98.5
White		White	
2700K	233.3	2700K	189.0
3000K	240.9	3000K	195.2
4000K	260.4	4000K	210.9

Illuminance at a Distance

Center Beam LUX/klm		Beam Width	
		H	V
0.5m	1323	1.49m	1.80m
1.0m	331	2.99m	3.59m
1.5m	147	4.48m	5.39m
2.0m	83	5.98m	7.19m
2.5m	53	7.47m	8.98m
3.0m	37	8.96m	10.78m

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

For fc divide by 10.7

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



Pixel Ribbon Go Flat

Dimensions

Fixture (Clear)

Max. Ribbon length with single power feed (L1)

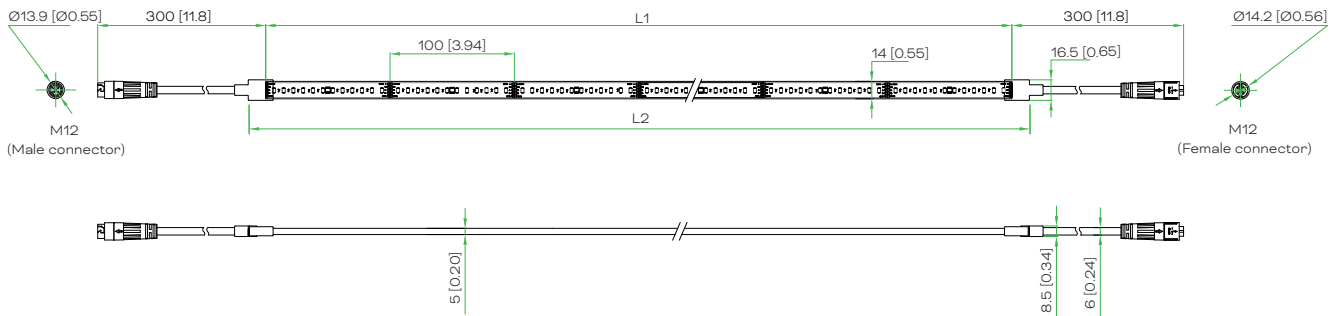
6100mm [240.16"]

Actual product length with end cap at 2-ends (L2)

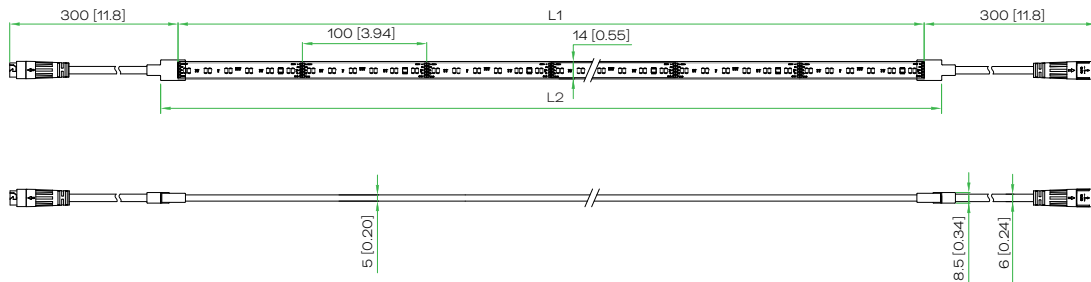
6128mm [241.26"] ± 10mm [0.39"]

Unit: mm [inch]

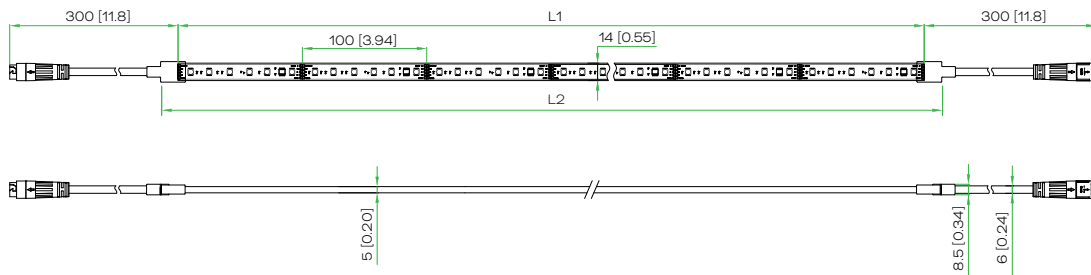
White



DW



RGB&RGBW



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



Pixel Ribbon Go Flat

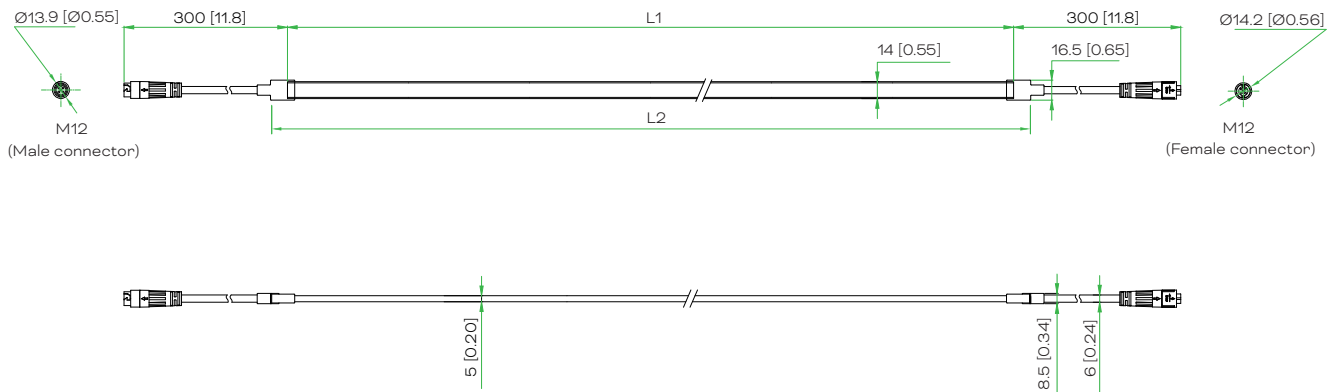
Dimensions

Fixture (Diffused)

Max. Ribbon length with single power feed (L1)	Actual product length with end cap at 2-ends (L2)
6100mm [240.16"]	6128mm [241.26"] ± 10mm [0.39"]

Unit: mm [inch]

White&DW&RGB&RGBW



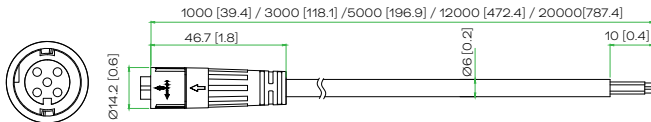
Remark: For other customized lengths (in multiple of 100mm / 4"), the actual product length would be the requested length ± 10mm [0.39"].



Connection Accessories

Unit: mm [inch]

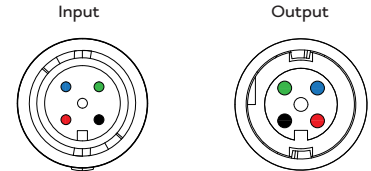
PIXEL RIBBON GO 5PIN STARTER CABLE 1M/3M/5M/12M/20M IP67
(DA24202338055/DA24202349055/DA24202349155/DA24202349355/DA24202349655)



INTERCONNECTION CABLE



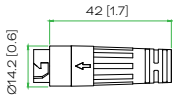
* The cable length can be customized based on specific requirements.



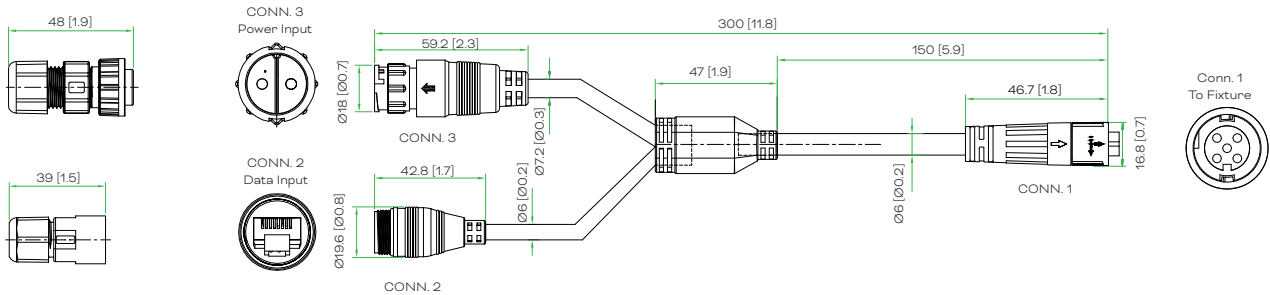
Wire#	Description	Color
1	Address	Green
2	Power -	Black
3	Data +	White
4	Power +	Red
5	Data -	Blue

NOTE: Do not connect the Address cable.

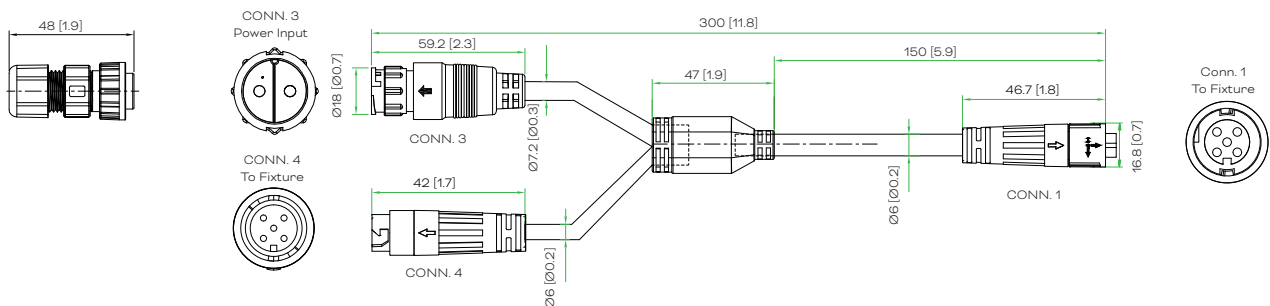
PIXEL RIBBON GO 5PIN END CAP 120 OHM IP67 (DA24102371155)

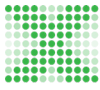


PIXEL RIBBON GO POWER RJ45 STARTER Y CABLE IP67 (DA24102371255)



PIXEL RIBBON GO POWER INJECTOR Y CABLE IP67 (DA24102371355)

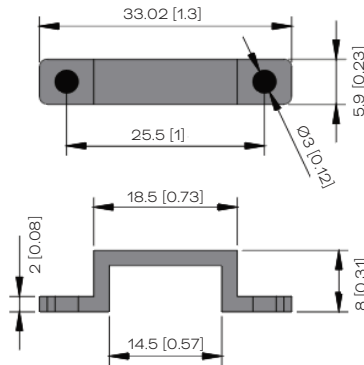




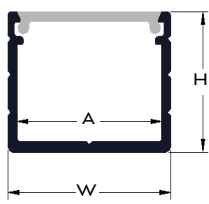
Mounting Accessories

Unit: mm [inch]

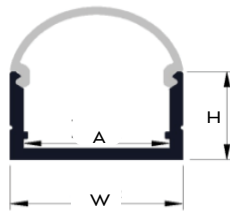
MOUNTING CLIP FLAT RB 20PC (AM412900055)



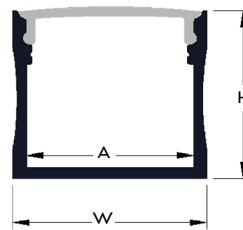
ALUMINIUM MOUNTING CHANNELS



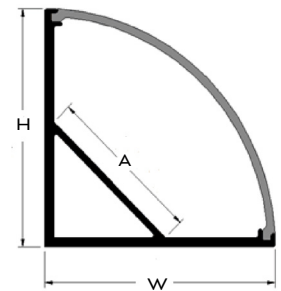
1605



1608



2007



3030R

	U-Channel	U-Channel	U-Channel	V-Channel
	1605	1608	2007	3030R
Item Code	AM412910055	AM412920055	AM412930055	AM412940055
W	18 [0.71]	19.4 [0.76]	23.5 [0.93]	30 [1.18]
A	16 [0.63]	16.4 [0.65]	20.2 [0.8]	20.6 [0.81]
H	13 [0.51]	11.6 [0.46]	20.5 [0.81]	30 [1.18]
Length	950 [37.4]	950 [37.4]	1000 [39.37]	1000 [39.37]
Material	Aluminium channel, PC cover, 304 stainless steel mounting clips			

* NOTE: Pixel Ribbon Go Flat is mounted to the channel with 3M tape.

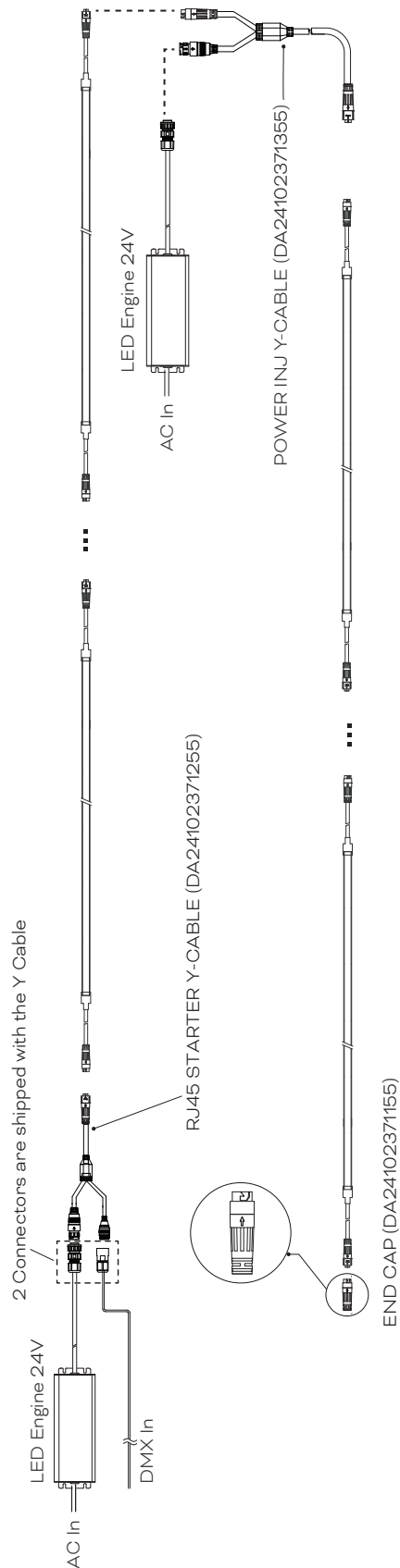


Pixel Ribbon Go Flat

System Diagram

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. Maximum length per 100W 24v PSU is 20ft.
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.

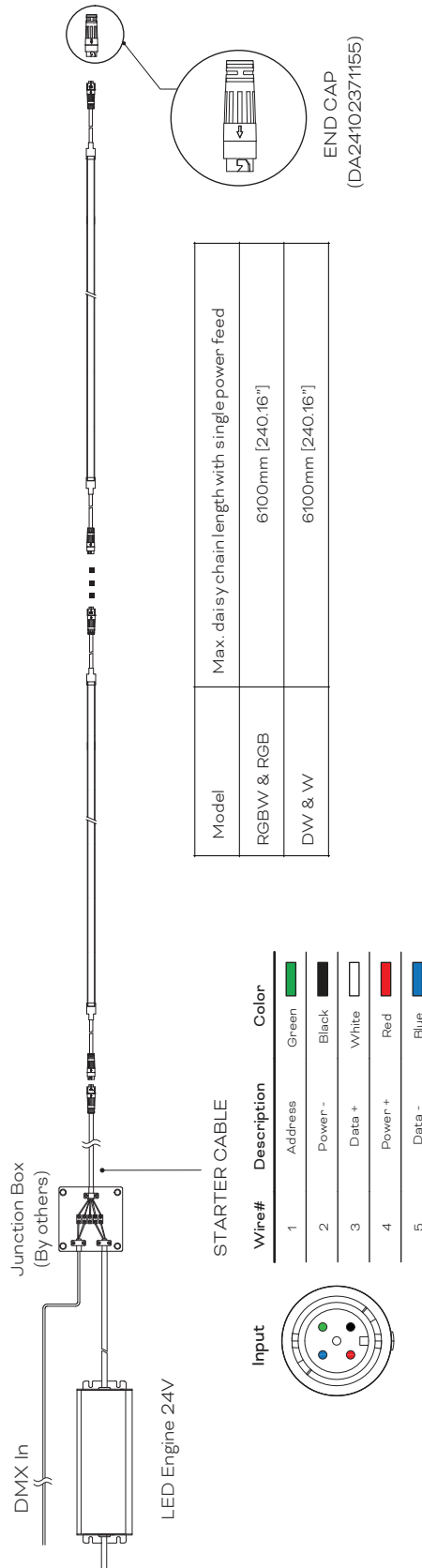


Pixel Ribbon Go Flat

System Diagram

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. Maximum length per 100W 24V PSU is 20ft. Please consult your local Traxon office for aid.



Pixel Ribbon Go Flat

Ordering

Fixtures Model Number

PRG.	NN.	N	G1	A	4	00
	Shape	LED color	Length	Pixels	Cable Feed	
	FC.: Flat Clear	1: RGBW (W=6500K)	G1: 6100mm	A: 3 Pixels/ ft	4: End feed	
	FD: Flat Diffused	2: RGB				
		3: DW (2700K & 5700K)				
		4: RGBW (W=3000K)				
		5: 2700K				
		6: 3000K				
		7: 4000K				

Desired Model Number:

PRG.			G1	A	4	00
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Fixtures

Model No.	Description	Item Code
PRG.FC.161A400	PIXEL RIBBON GO FT CR RGBW 10PPM 20FT EF	DL24102364455
PRG.FC.261A400	PIXEL RIBBON GO FT CR RGB 10PPM 20FT EF	DL24102364555
PRG.FC.361A400	PIXEL RIBBON GO FT CR DW2757 10PPM 20FT EF	DL24102364655
PRG.FC.661A400	PIXEL RIBBON GO FT CR 830 10PPM 20FT EF	DL24102364755
PRG.FD.161A400	PIXEL RIBBON GO FT DF RGBW 10PPM 20FT EF	DL24102364855
PRG.FD.261A400	PIXEL RIBBON GO FT DF RGB 10PPM 20FT EF	DL24102364955
PRG.FD.361A400	PIXEL RIBBON GO FT DF DW2757 10PPM 20FT EF	DL24102365055
PRG.FD.661A400	PIXEL RIBBON GO FT DF 830 10PPM 20FT EF	DL24102365155

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 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
MOUNTING CLIP FLAT RB 20PC	AM412900055
U-CHANNEL OUTDOOR FLAT 1605 950	AM412910055
U-CHANNEL OUTDOOR FLAT 1608 950	AM412920055
U-CHANNEL OUTDOOR FLAT 2007 1M	AM412930055
V-CHANNEL OUTDOOR FLAT 3030R 1M	AM412940055



TX Cutting

Description	Item Code
PX RIBBON CUTTING TOOL	AM412950055
PX RIBBON SEALING GLUE 100ML	AM412960055
RX RIBBON FLAT FIELD CUT ENDCAP 20PC	AM412990055

TX Power Supply & Control

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

