Our Brands

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OSRAM

Project: _____

Type: _____

Media Pixel Ribbon RGBW VB Outdoor

The Traxon Media Pixel Ribbon VB is an IP67 flexible neon strip which can be controlled directly using DMX512. The vertical bending (VB), together with the horizontal bending (HB) Ribbon provides flexibility to fit on any curved surface to accommodate architectural structures. Featuring a 0.66" / 16.7 mm LED pitch with a 3.9" / 100 mm pixel pitch, the Media Pixel Ribbon is available in an assortment of colors and CCT options, has multiple mounting options to meet project needs, and is able to be customized for number of pixels, ribbon lengths, and cable feed position.

IP67 IK08

Product Specifications

Models	RGB+W (W: 6500K)
Light Source	High intensity SMT RGB and White LEDs
Color Range	16.7 Million additive RGB colors + White
Pixels	61 pixels per roll 3 pixels per ft / 10 pixels per m[1]
LED pitch	0.66" / 16.7 mm
Pixel Pitch	3.9" / 100 mm
Cutting Pitch	3.9" / 100 mm
CRI for White LED	> 80
SDCM for White LED	3-steps
Luminous Flux	125 lm per ft / 410 lm per m
Efficacy	28 lm/W
Beam Angle	120°
Housing	UV resistant diffused silicone
Dimensions (W x H)	0.6" x 0.63" / 15 mm x 16 mm
Max. length	20' / 6.1m per roll
Weight (per roll)	3.5 lb / 1601 g
Mounting	Various mounting brackets and channels
Min. Bend Radius	5.9" / 150 mm
Regulatory Listing & Safety Approval	cETLus, FCC, RoHS, REACH; IK08
Operating Temperature	-4°F to 122°F / –20°C to +50°C
Storage Temperature	-40°F to 158°F / –40°C to +70°C
Environment	IP67 Outdoor Rated; suitable for coastal environments
Humidity	0 to 90% non-condensing

Electrical Specifications

Input Voltage	24V DC
Power Consumption (Typ.)	4.4 W per foot / 14.4 W per meter

System Specifications

Control	DMX512
Power Supply	100W 24V DC Outdoor
Addressing Options	Addressing with 3rd party addressing device

1. Pixel per meter can be customized to 5 pixels, 2 pixels or 1 pixel.

Please consult regional sales office for more information, pricing and lead time.

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.

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

www.traxontechnologies.com | www.osram.us/traxon

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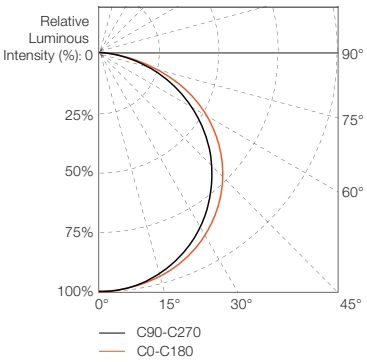
Source Specifications

LED Source	High intensity SMT RGB and White LEDs

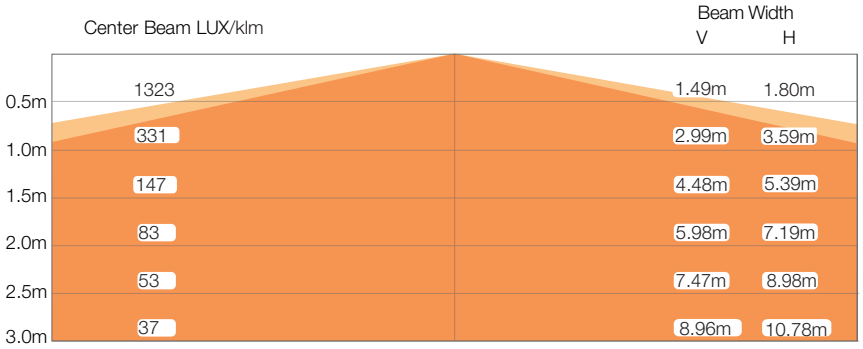
Candela Distribution



Light Output

Color	Luminous Flux per ft (lm)	Center Intensity (cd)	Efficacy (lm/W)
RGB+W			
RGB+W (full-on)	125	136	28
RGB	63	68	18
Red	14	16	9
Green	42	46	27
Blue	9	9	5
White (RGB off)	63	68	40

Illuminance at a Distance



For feet multiply by 3.28

Vert.Spread: 112.4°
Horiz.Spread: 121.8°
For fc divide by 10.7

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

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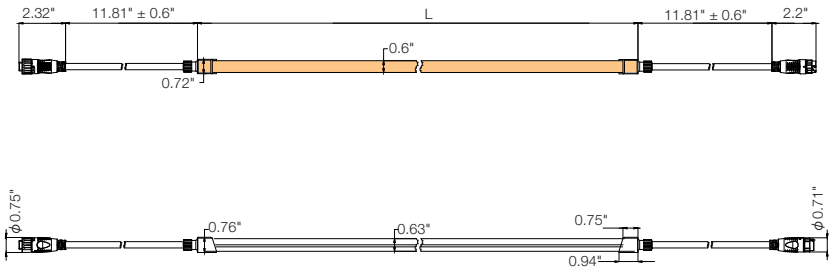
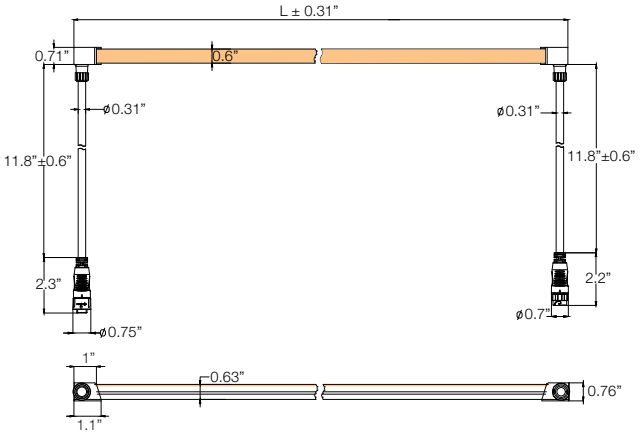
Media Pixel Ribbon

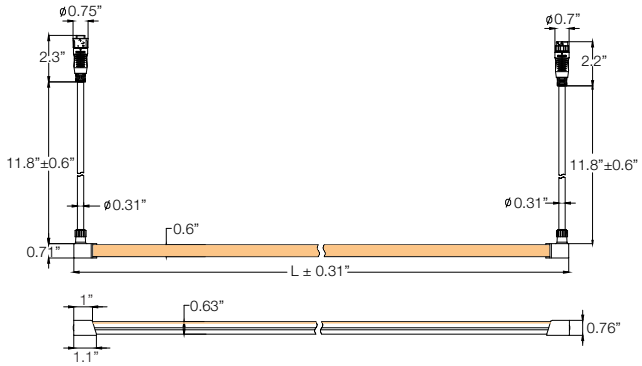
End cable feed (V1)



Left side cable feed (V2L)



Right side cable feed (V2R)



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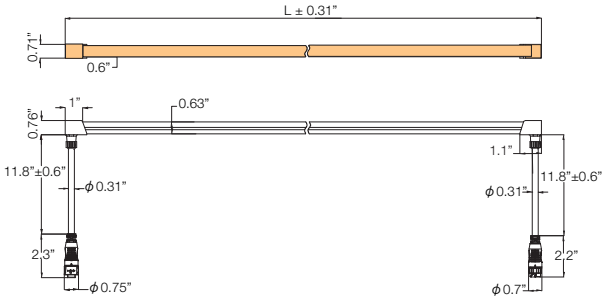
Bottom cable feed (V3)

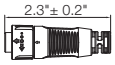


Model	Max. Ribbon length with single power feed	Actual product length with endcap at 2-ends, L
RGB+W & RGB	20' / 6.1m	20'+0.8" / 6.1m+20mm

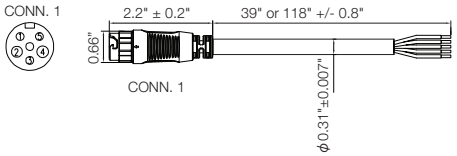
Remark: For other customized lengths (in multiples of 4" / 100 mm), the actual product length would be customized length + 0.8" / + 20mm.

Connection Accessories

RB CONNECTOR ENDCAP 120OHMIP67 (AM400870055)

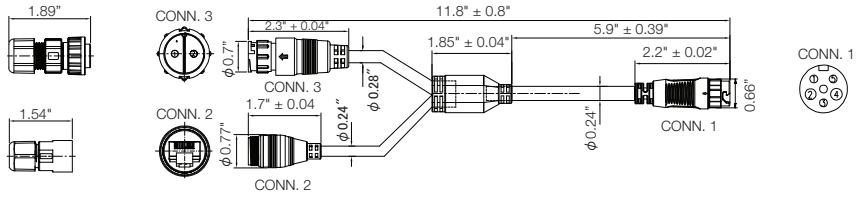


RB 5PIN STARTER CABLE 1M IP67 (AM400840055)
RB 5PIN STARTER CABLE 3M IP67 (AM400850055)

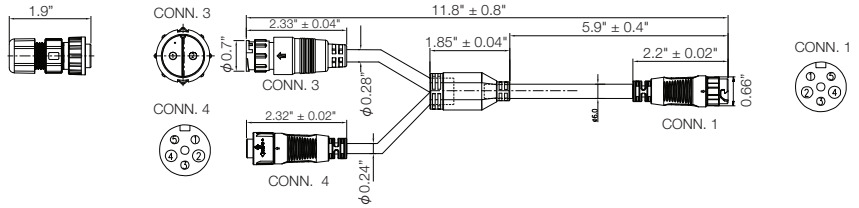


Wire#	Description	Color
1	Address(PI)	Green
2	V-	Black
3	DMX+	Yellow
4	V+	Red
5	DMX-	Blue

RB RJ45 STARTER Y-CABLE IP67 (AM401000055)



RB 5PIN POWER INJ Y-CABLE IP67 (AM400990055)



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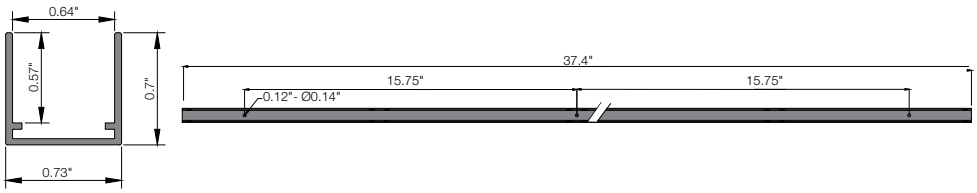
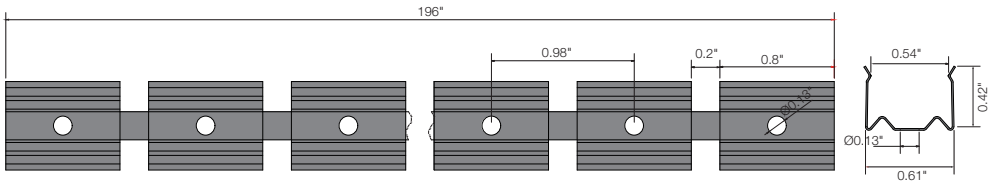
Mounting Accessories

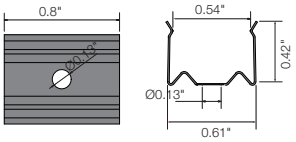
Aluminium U-channel
U-CHANNEL OUTDOOR VB 950 (AM400970055)



304 Stainless Steel Flexible Strip
FLEXIBLE MOUNT STRIP VB 196" / ROLL (AM400930055)



SINGLE MOUNT BRACKET VB (AM400950055)



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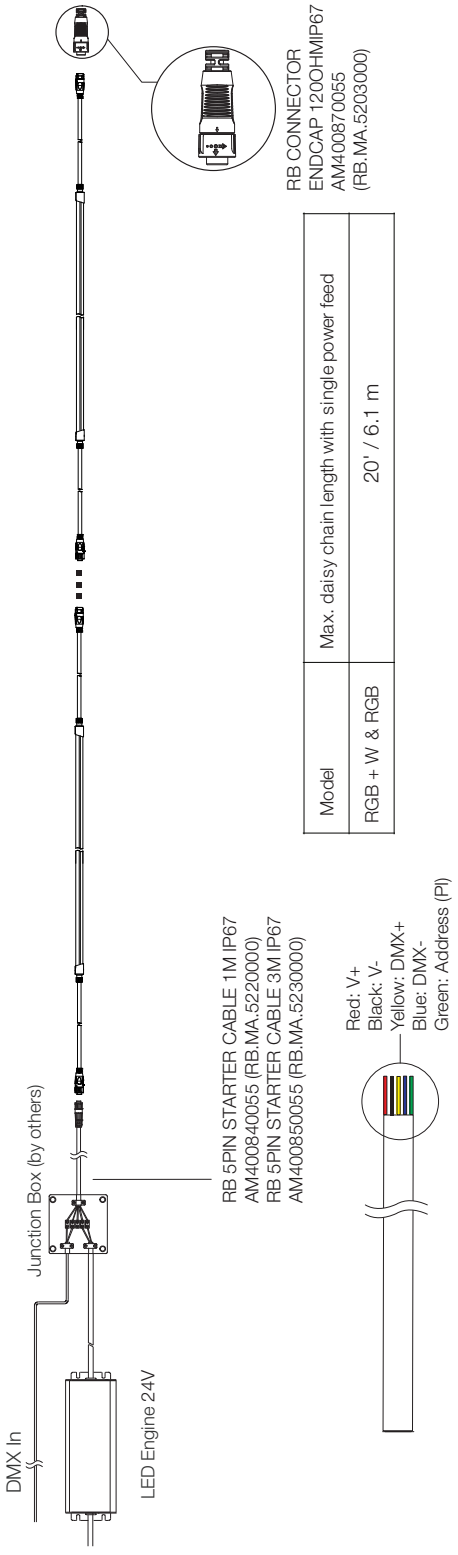
Typical Wiring with 5-pin Starter Cable

NOTE: Mounting accessories not shown.



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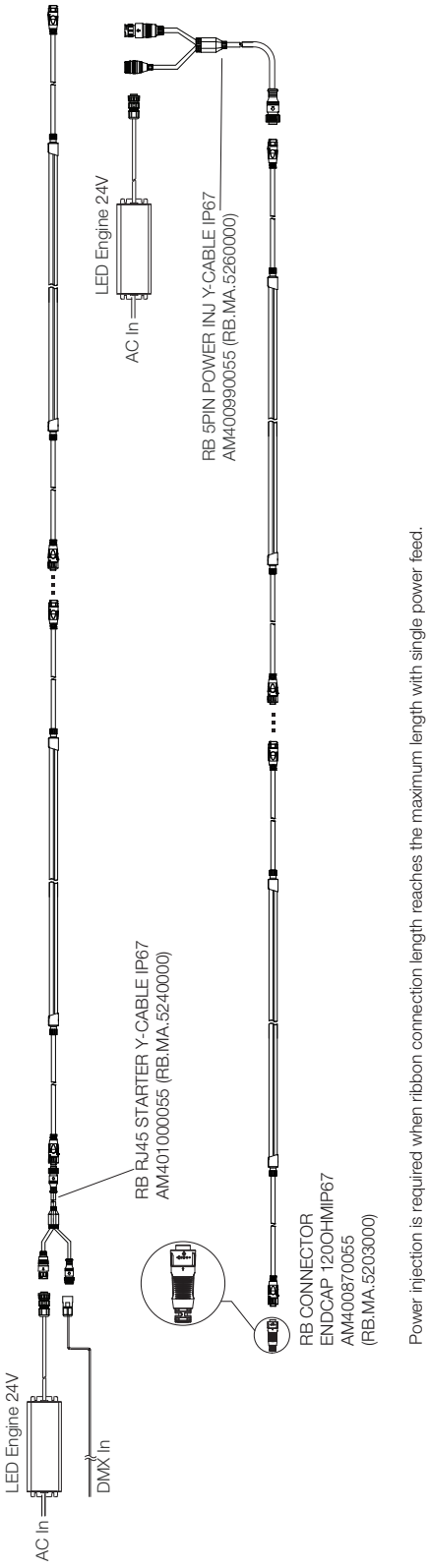
Typical Power Injection with Wiring Y-Cable

NOTE: Mounting accessories not shown.



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Fixtures

Model No.	Description	Item Code
RB.UO.6140100	PX RB RGBW65 61PPR 20FT DX V1 IP67 ETL (END CABLE FEED)	AM433480055
RB.UO.6140120	PX RB RGBW65 61PPR 20FT DX V2L IP67 ETL (SIDE CABLE FEED LEFT)	AM433550055
RB.UO.6140190	PX RB RGBW65 61PPR 20FT DX V2R IP67 ETL (SIDE CABLE FEED RIGHT)	AM433620055
RB.UO.6140130	PX RB RGBW65 61PPR 20FT DX V3 IP67 ETL (BOTTOM CABLE FEED)	AM433690055

TX Connect

Model No.	Description	Item Code
RB.MA.5220000	RB 5PIN STARTER CABLE 1M IP67	AM400840055
RB.MA.5230000	RB 5PIN STARTER CABLE 3M IP67	AM400850055
RB.MA.5270000	RB 5PIN STARTER CABLE 5M IP67	AM415500055
RB.MA.5260000	RB 5PIN POWER INJ Y-CABLE IP67	AM400990055
RB.MA.5240000	RB RJ45 STARTER Y-CABLE IP67	AM401000055
N/A	RB CONNECTOR ENDCAP IP67	AM400860055
RB.MA.5203000	RB CONNECTOR ENDCAP 120OHM IP67	AM400870055

TX Cutting tools

Model No.	Description	Item Code
N/A	PX RIBBON CUTTING TOOL	AM412950055
N/A	PX RIBBON SEALING GLUE 100ML	AM412960055
N/A	RX RIBBON VB FIELDCUT ENDCAP 20PC	AM412970055

TX Mounting

Model No.	Description	Item Code
N/A	FLEXIBLE MOUNT STRIP VB 5M	AM400930055
N/A	SINGLE MOUNT BRACKET VB 20PC	AM400950055
N/A	U-CHANNEL OUTDOOR VB 950	AM400970055

TX Power Supply

Model No.	Description	Item Code
N/A	LED ENGINE 100W 24V OUTDOOR	AM175860055

Addressing Device

Please contact your sales representative for details.

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