

Project: _____
 Type: _____

Media Pixel Ribbon DMX HB



The Traxon Media Pixel Ribbon DMX HB is an IP67 flexible neon strip which can be controlled directly using DMX512. The horizontal bending (HB), together with the vertical bending (VB) Ribbon provides flexibility to fit on any curved surface to accommodate architectural structures. Featuring a 16.7mm LED pitch with a 100mm 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. This product is intended for use in high-quality colored light applications.



Product Specifications

Models	RGB+W (W: 6500K)	RGB	DW (W: 2700K +6500K)	W 6500K	W 4000K	W 3000K
Light Source	High intensity SMT RGB and White LEDs					
Color Range	16.7 Million additive RGB colors					
Pixels	10 pixels/m ¹					
LED pitch	16.7 mm					
Pixel Pitch	100 mm					
Cutting Pitch	100 mm					
CRI for White LED	> 80					
Luminous Flux	210 lm/m	85 lm/m	230 lm/m	240 lm/m	240 lm/m	230 lm/m
Efficacy	15 lm/W	8 lm/W	24 lm/W	25 lm/W	25 lm/W	24 lm/W
Beam Angle	120°					
Housing	Diffused silicone					
Dimensions (W x H)	10 mm x 12 mm					
Max. length	8 m/roll	8 m/roll	10 m/roll	10 m/roll	10 m/roll	10 m/roll
Weight (per roll)	2600 g	2100 g	2600 g	2100 g	2100 g	2100 g
Mounting	Various mounting brackets and channels					
Min. Bend Radius	150 mm					
Regulatory Listing & Safety Approval	CE (cETLus in progress)					
Operating Temperature	-20°C to +50°C					
Storage Temperature	-40°C to +70°C					
Environment	Outdoor, IP67, 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	185W 24V DC Outdoor
Addressing Options	Manual Addressing with 3rd party addressing device

1. Pixel per meter can be customize 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.

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

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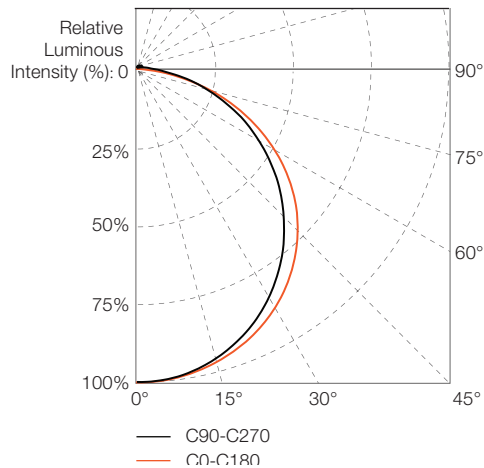
Media Pixel Ribbon DMX HB

Photometrics

Source Specifications

LED Source High intensity SMT RGB and White LEDs

Candela Distribution



Light Output

Color	Luminous Flux (lm)
RGB+W	
RGB+W (full-on)	210
RGB	105
Red	24
Green	71
Blue	14
White (RGB off)	105
RGB	
RGB (full-on)	85
Red	10
Green	29
Blue	6
DW	
DW (full-on)	230
WW	111
CW	119
White	
3000K	230
4000K	240
6500K	240

Illuminance at a Distance

	Center Beam LUX/klm	Beam Width	
		V	H
0.5m	1322	1.48m	1.75m
1.0m	331	2.95m	3.51m
1.5m	147	4.43m	5.26m
2.0m	83	5.91m	7.01m
2.5m	53	7.38m	8.77m
3.0m	37	8.86m	10.52m

For feet multiply by 3.28

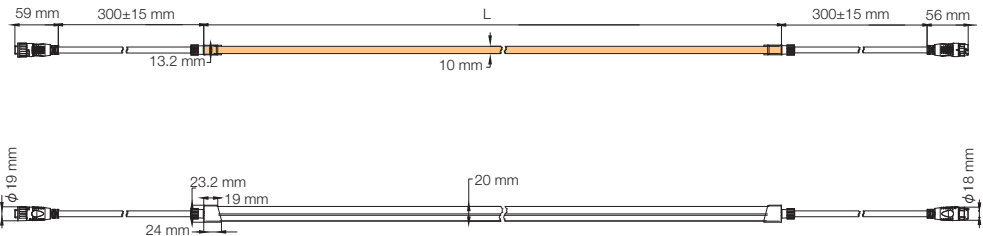
■ Vert. Spread: 111.8°
■ Horiz. Spread: 120.6°
 For fc divide by 10.7

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

Media Pixel Ribbon DMX HB

Dimensions

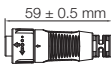
Media Pixel DMX HB Ribbon and Connection Accessories



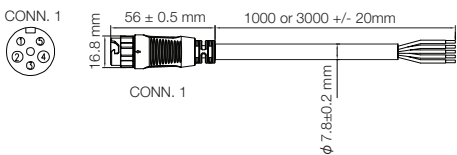
Model	Max. Ribbon length with single power feed	Actual product length with endcap at 2-ends, L
RGB+W & RGB	8000 mm	8000 + 20 mm
DW & W	10000 mm	10000 + 20 mm

Remark: For other customize lengths (in multiply of 100 mm), the actual product length would be customize length + 20 mm.

RB CONNECTOR ENDCAP 120OHMIP67 (AM400870055)

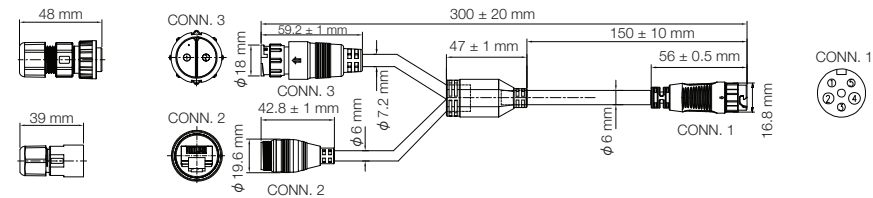


RB 5PIN STARTER CABLE 1M IP67 (AM400840055)
RB 5PIN STARTER CABLE 3M IP67 (AM400850055)

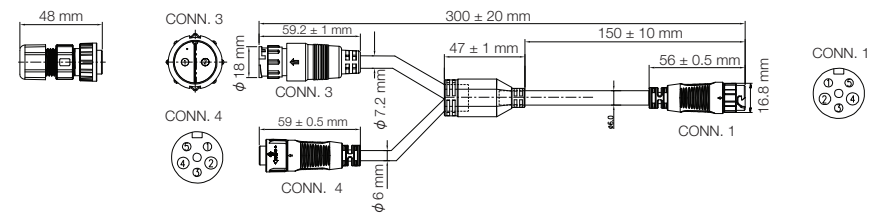


Wire#	Description	Color
1	Address(Pi)	Green
2	V-	Black
3	DMX+	Yellow
4	V+	Red
5	DMX-	Blue

RB RJ45 STARTER Y-CABLE IP67 (AM401000055)

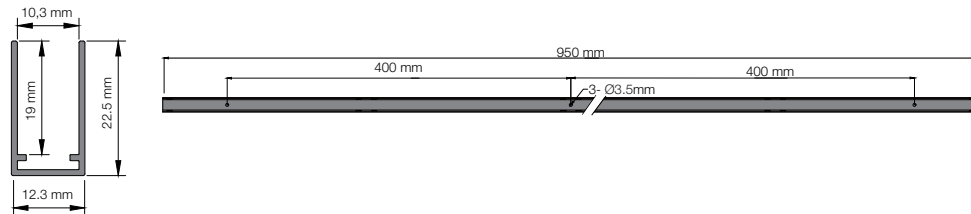


RB 5PIN POWER INJ Y-CABLE IP67 (AM400990055)

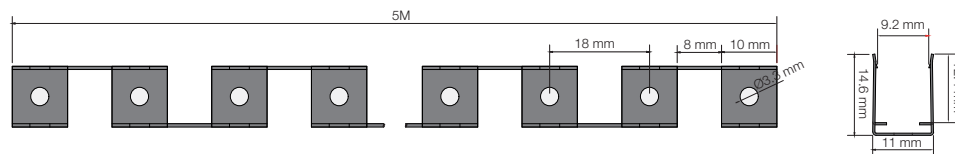


Mounting Accessories

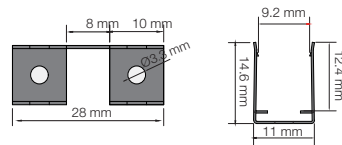
Aluminium U-channel
U-CHANNEL OUTDOOR HB 950 (AM400980055)



304 Stainless Steel Flexible Strip
FLEXIBLE MOUNT STRIP HB 5M / ROLL (AM400940055)

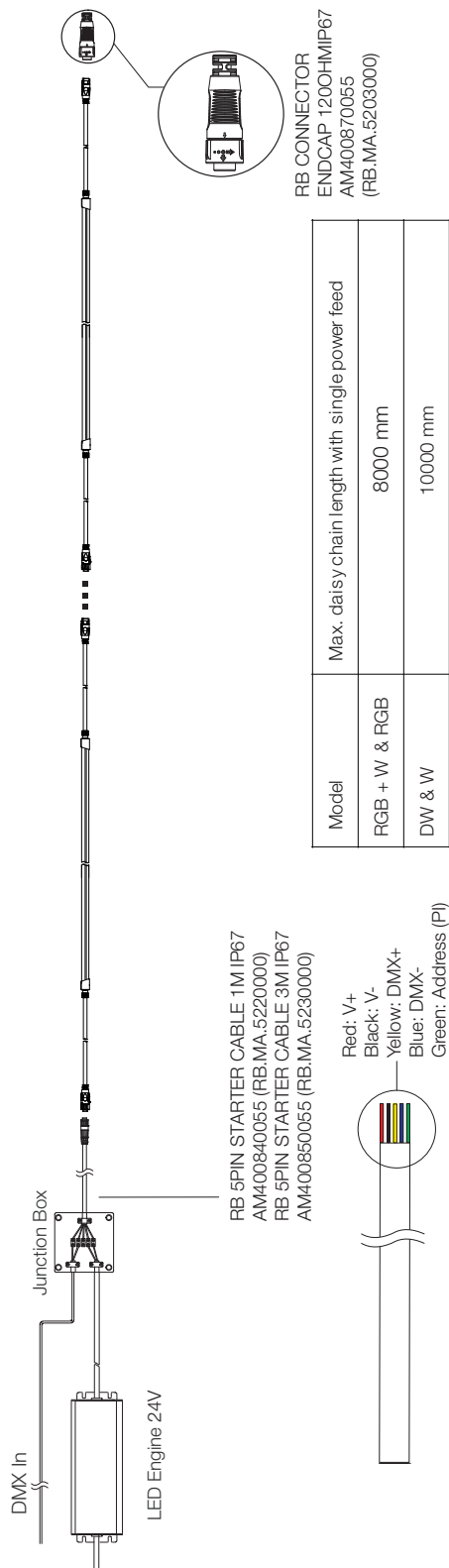


SINGLE MOUNT BRACKET HB (AM400960055)



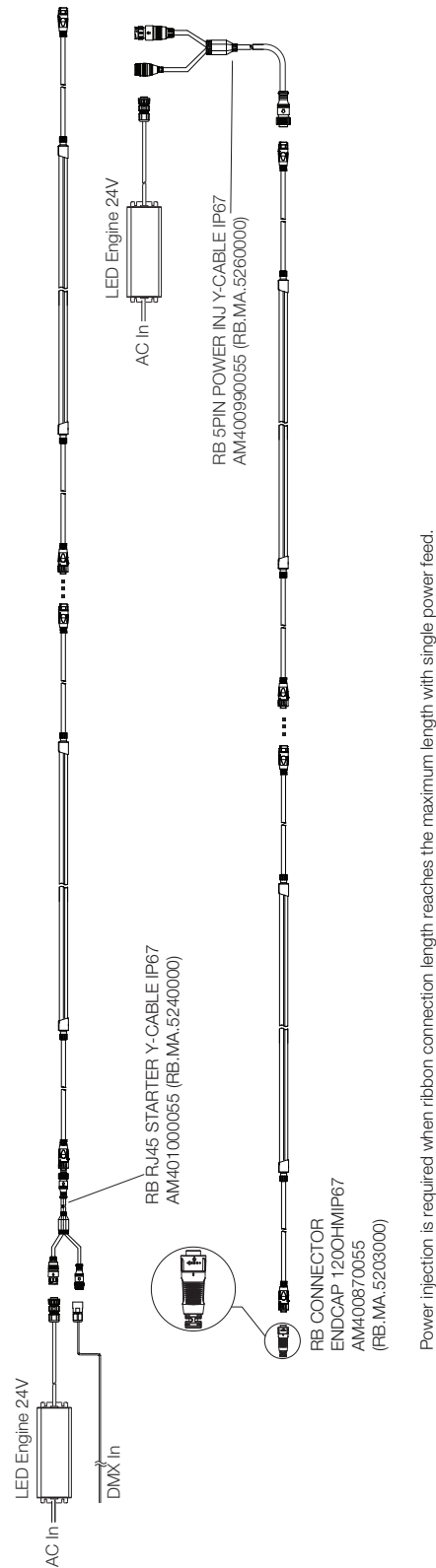
Typical Wiring with 5-pin Starter Cable

NOTE: Mounting accessories not shown.



Typical Power Injection with Wiring Y-Cable

NOTE: Mounting accessories not shown.



Media Pixel Ribbon DMX HB

Ordering

Fixtures

Model No.	Description	Item Code
RB.MO.1402000	PX RIBBON DF RGBW65 10PPM 8M DX H1 IP67	AM411150055
RB.MO.1502000	PX RIBBON DF RGB 10PPM 8M DX H1 IP67	AM411160055
RB.MO.2602000	PX RIBBON DF DW2765 10PPM 10M DX H1 IP67	AM411170055
RB.MO.2202000	PX RIBBON DF 830 10PPM 10M DX H1 IP67	AM411180055
RB.MO.2302000	PX RIBBON DF 840 10PPM 10M DX H1 IP67	AM411190055
RB.MO.2102000	PX RIBBON DF 865 10PPM 10M DX H1 IP67	AM411200055

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	TBC
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 HB FIELD CUT ENDCAP 20PC	AM412980055

TX Mounting

Model No.	Description	Item Code
N/A	FLEXIBLE MOUNT STRIP HB 5M	AM400940055
N/A	SINGLE MOUNT BRACKET HB 20PC	AM400960055
N/A	U-CHANNEL OUTDOOR HB 950	AM400980055

TX Power Supply

Model No.	Description	Item Code
N/A	LED ENGINE 185W 24V OUTDOOR	AM175880055

Addressing Device

Please contact your sales representative for details.

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