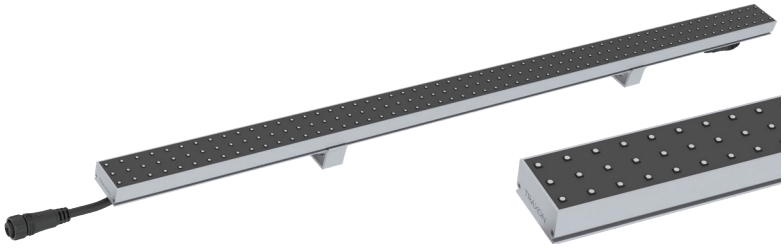
TRAXON Pro*

Media Tube® Pro HD

Project: _____

Type: _____



IP66 COAST E:VO PIX ANSI 3G

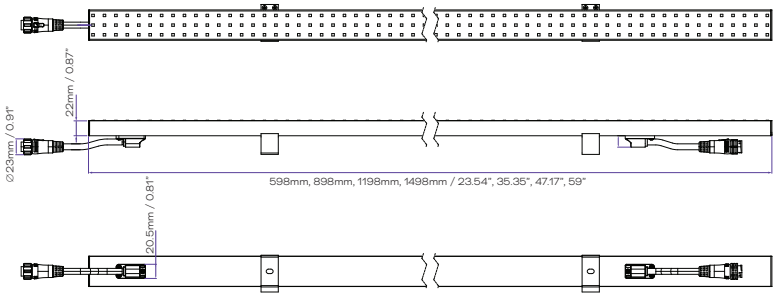
Introducing Media Tube Pro HD – the ultimate outdoor video display solution. Boasting high resolution with configurable pixel pitch, this cutting-edge product delivers unparalleled clarity. With e:voPix Technology, Media Tube Pro HD offers pixel perfection, setting a new standard in outdoor video displays with extended connectivity, ensuring seamless compatibility, while the auto-addressing feature expedites hassle-free installations. Stay informed with real-time data feedback and trust in the active thermal protection for reliable performance in any outdoor condition. The DynaMood Technology guarantees vibrant visuals with precise color correction. Elevate your visual storytelling with this pinnacle of innovation, where excellence meets technology in every frame.
This product is intended for use in high-quality colored light applications.

Features

Available lengths: 598mm / 2ft (108PXL), 898mm / 3ft (162PXL), 1198mm / 4ft (216PXL) and 1498mm / 5ft (270PXL)*

- Direct View
- e:vo Pix
- Daisy Chain System with quick lock connectors
- Auto-Addressing per daisy-chain
- IP66, Suitable for Coastal Environment, and 3G Vibration Resistant

Dimensions



Technologies

- e:vo Pix with data feedback
- Color correction
- Active thermal protection

DYNA MOOD

Color Options

RGB

Lens Options

Direct

Finishes

Silver

Standard: Silver

*: Length options differ by region. See your local Traxon representative for information.

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Product Specifications

	Direct View			
Options*	598mm/23"	898mm/35"	1198mm/47"	1498mm/59"
Number of Pixels	108 pixels	162 pixels	216 pixels	270 pixels
Light Source	108 RGB 3 In 1 LED	162 RGB 3 In 1 LED	216 RGB 3 In 1 LED	270 RGB 3 In 1 LED
Color Range	16.7 Million additive RGB colors, 48 bits			
Beam Angle	110° (Viewing Angle 145°)			
Luminous Flux (lm)	306	459	612	765
Efficacy (lm/W)	30	30	30	30
Luminance[1] (cd/m²)	4608			
Pixel Pitch[2]	16.7mm / 0.66", adjustable			
LED Pitch	16 x 14mm / 0.63" x 0.55"			
Pixel Configuration[2]	User configurable pixel pitch, 1 x LED = 1 Pixel as standard			
Housing	Aluminum Extrusion			
Lens	Direct View			
Mounting	U bracket, other brackets available by request			
Dimensions (W x H)	44 x 22mm / 1.73" x 0.87" (Mounting bracket excluded)			
Dimensions (L)*	598mm / 23"	898mm / 35"	1198mm / 47"	1498mm / 59"
Weight	0.66kg / 1.46lb	0.95kg / 2.09lb	1.15kg / 2.54lb	1.53kg / 3.37lb
Regulatory Listing & Safety Approval	UKCA, CE, cETLus, FCC, ANSI C136.31 - 3G			
Operating Temperature	-40°C to +60°C / -40°F to +140°F			
Storage Temperature	-40°C to +80°C / -40°F to +176°F			
Environment	Outdoor, IP66, Suitable for Coastal Environment, ANSI C136.31-3G			
Humidity	10-90%, non-condensing			

Electrical Specifications

Operating Voltage	48V DC			
Power Consumption	10.2W	15.3W	20.4W	25.5W
Lumen Maintenance	L70B50 80,000 hours@ 25°C			

System Specifications

Control	e:vo Pix
Power Supply[3]	LED Engine 48V Outdoor
Addressing Options	Auto-Addressing
Fixture Interconnection	See System Diagram
Pixel Control[2]	Adjustment of Pixels from 16.7mm / 0.66" to full length of luminaire[2]

*. Length options differ by region. See your local Traxon representative for information.
1. - Direct View luminance represents the value of the composed screen which assumes the luminaire is installed with 50mm / 2" distance between Tubes.
2. The product can be compatible with a 56V power supply according to the actual project. Please contact sales for details.

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 complicated 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.

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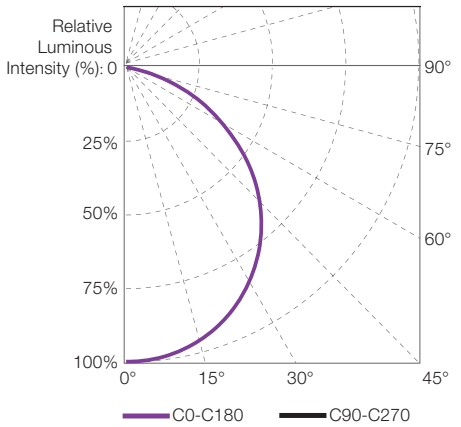
Source Specifications

Length Option*	598mm / 23”	898mm / 35”	1198mm / 47”	1498mm / 59”
Source	108 RGB 3 In 1 LED	162 RGB 3 In 1 LED	216 RGB 3 In 1 LED	270 RGB 3 In 1 LED
Optics	110°			
Lens	Direct View			

Candela Distribution



*: Length options differ by region.
See your local Traxon representative for information.

Light Output

Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
598mm / 23”			
RGB (full-on)	306.0	108.4	30.0
Red	90.9	32.5	16.2
Green	195.9	69.8	53.8
Blue	24.9	8.4	9.0
898mm / 35”			
RGB (full-on)	459	162.5	30.0
Red	136.3	49.0	16.2
Green	293.9	104.0	53.7
Blue	37.4	13.1	9.0
1198mm / 47”			
RGB (full-on)	612.0	217.6	30.0
Red	181.8	64.2	16.2
Green	391.8	139.1	53.8
Blue	49.8	17.8	9.0
1498mm / 59”			
RGB (full-on)	765.0	272.0	30.0
Red	227.2	80.4	16.2
Green	489.8	173.9	53.7
Blue	62.2	22.5	9.0

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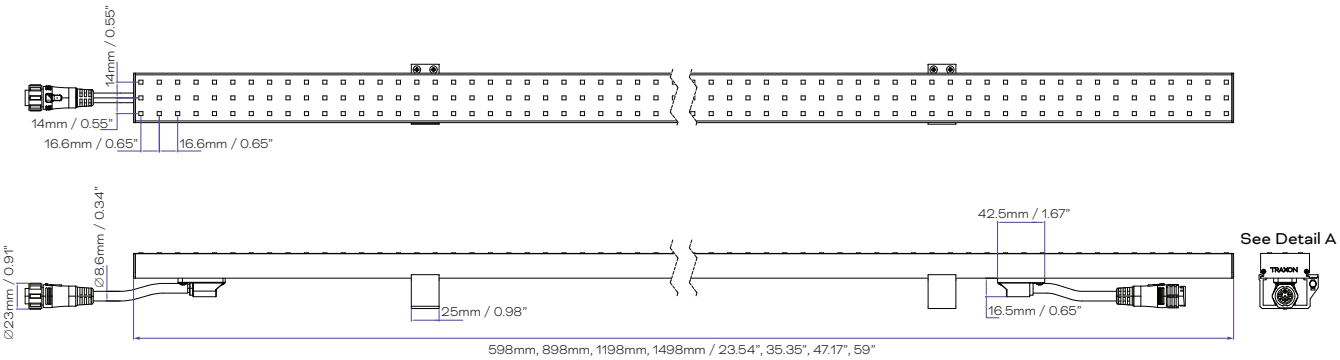
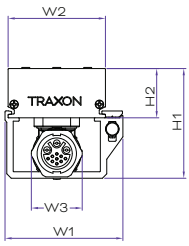
Fixture Dimensions



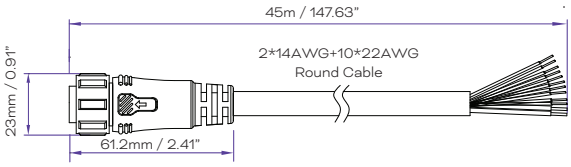


Detail A

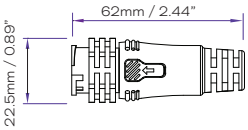
L	W1	W2	W3	H1	H2
1498mm / 59"	53.3mm / 2.1"	44mm / 1.73"	23mm / 0.91"	49mm / 1.93"	22mm / 0.87"
1198mm / 47"	53.3mm / 2.1"	44mm / 1.73"	23mm / 0.91"	49mm / 1.93"	22mm / 0.87"
898mm / 35"	53.3mm / 2.1"	44mm / 1.73"	23mm / 0.91"	49mm / 1.93"	22mm / 0.87"
598mm / 23"	53.3mm / 2.1"	44mm / 1.73"	23mm / 0.91"	49mm / 1.93"	22mm / 0.87"

12 Pin Connection Accessories Dimensions

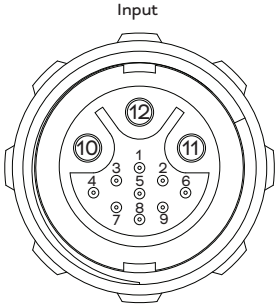
12 Pin Starter Cable (DA24102037755)



12 Pin End Cap for 12-Wire Version (DA24102037855)



12 Pin Connector Pin Assignment



NOTE: Please see CAD files for additional dimensional data.

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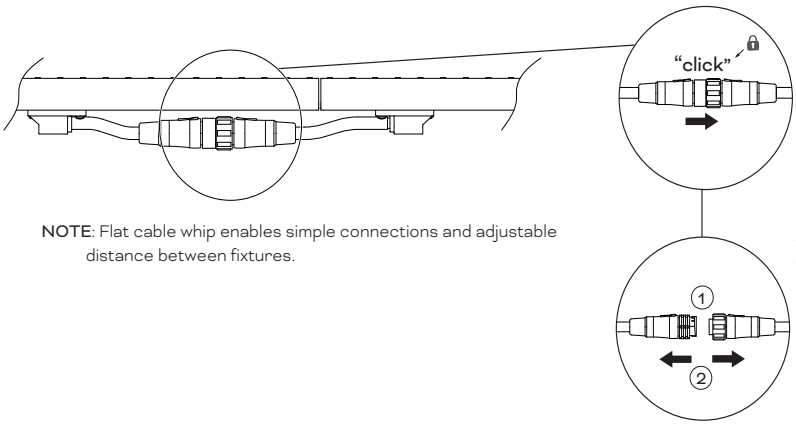
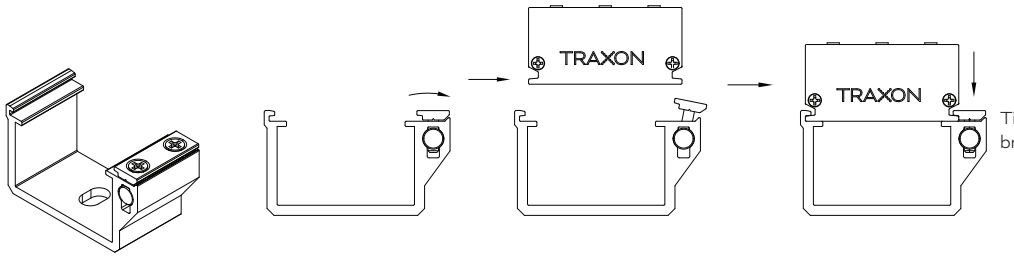
Cable Connection



NOTE: Flat cable whip enables simple connections and adjustable distance between fixtures.

If you do not hear the "click", rotate the spring loaded lock nut manually to lock the connectors and ensure that they are properly mated to protect from water ingress.

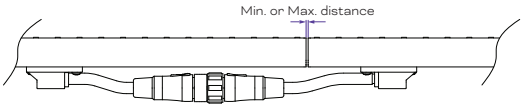
Bracket Mounting



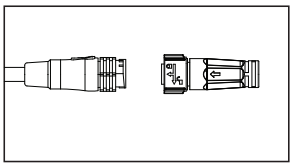
Tighten screws to lock bracket in place

Tube-to-Tube Clearance

To maintain consistent LED pitch and to allow for thermal expansion for Tubes:
Min. distance: 2mm/0.08"
Max. distance: 10mm/0.39" or please see your local Traxon representative for information



End Cap Seal on Last Tube



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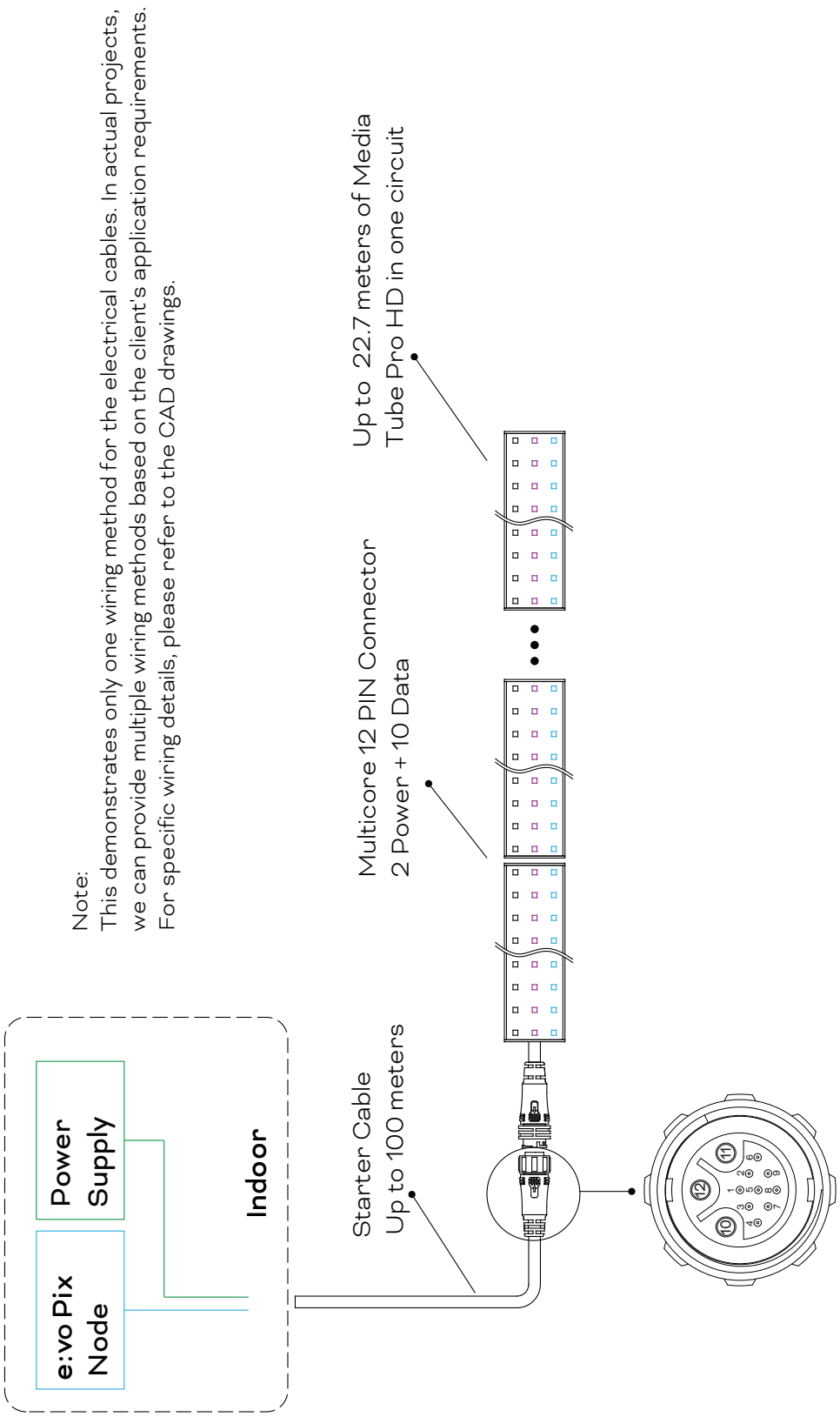
12 Pin Starter Cable Installation



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Fixtures Model Number

TU . MH .	N	N	NNN	0	2
	Length	Direction	Pixels*		Pin
	2: 598mm/23.46”	1: Up	108: 108Pixels with 598mm/23.46”		2: 12 Pin
	4: 1198mm/47.09”	2; Down	216: 216Pixels with 1198mm/47.09”		
	5: 1498mm/58.90”		270: 270Pixels with 1498mm/58.90”		

Desired Model Number:					
TU	.	MH	.	0	2

*See “Pixel Configurations” on page 8 for more information.

Fixtures

Model No.	Description	Item Code
TU.MH.5127002	MEDIA TUBE PRO HD RGB 1498 270PXL 12PIN	DL24102037055
TU.MH.4121602	MEDIA TUBE PRO HD RGB 1198 216PXL 12PIN	DL24102037155
TU.MH.2110802	MEDIA TUBE PRO HD RGB 598 108PXL 12PIN	DL24102037255

Accessories

Model No.	Description	Item Code
	MT PRO HD STARTER CABLE 12-WIRE 15M ROUND	DA24102039555
	MT PRO HD STARTER CABLE 12-WIRE 50M ROUND	DA24102039655
	MT PRO HD STARTER CABLE 12-WIRE 100M ROUND	DA24102039755
	MT PRO HD INTERCONNECT CABLE 0.5M ROUND	DA24102039855
	MT PRO HD INTERCONNECT CABLE 1M ROUND	DA24102039955
	MT PRO HD INTERCONNECT CABLE 5M ROUND	DA24102040055
	MT PRO HD INTERCONNECT CABLE 10M ROUND	DA24102040155

Power Supply

Model No.	Description	Item Code
	LED ENGINE 100W 48V OUTDOOR	AM338910055
	LED ENGINE 240W 48V OUTDOOR	AM089330055
	LED ENGINE 320W 48V OUTDOOR	AM088070055
	LED ENGINE 480W 48V OUTDOOR	AM329560055

e:cue Control

Function	Description	Item Code
Interface	SYMPL PRO NODE DMX	AM255360031
Interface	BUTLER PRO DMX/RDM	AA628600035
Server	LCE3	AM368100035
Server	LCE3FX	AM368100135
Server	LCE3MX	CL23100105835
Server	SYMPL CORE SP	AM430280035
Interface	SYMPL DMX NODE	AB444180035
Interface	e:vo Pix controller	

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