

Project: \_\_\_\_\_  
 Type: \_\_\_\_\_

**ARCHISHAPE® Media Tube RGBW**



ARCHISHAPE® Media Tube runs on 24V power supply, and fits into any wall, façade or media lighting application with tight installation requirements, while the wide beam angle output and 10-pixels-per-meter ensures a smooth illumination experience. This product greatly simplifies the lighting installation for building façades, media applications, bridges and more.



**Product Specifications**

	Direct View			Diffused View		
	300mm	500mm	1000mm	300mm	500mm	1000mm
<b>Light Source</b>	18 RGBW 4 in 1	30 RGBW 4 in 1	60 RGBW 4 in 1	18 RGB + 18 White	30 RGB + 30 White	60 RGB + 60 White
<b>Color Range</b>	16.7 Million additive RGB colors; White 6500K					
<b>Beam Angle</b>	95°			110°x170°		
<b>Luminous Flux</b>	126 lm	210 lm	420 lm	126 lm	210 lm	420 lm
<b>Efficacy</b>	30 lm/W			30 lm/W		
<b>Pixel Pitch</b>	100mm					
<b>Pixel Configuration</b>	6 RGBW LEDs per pixel			6 RGB LEDs + 6 White LEDs per pixel		
<b>Number of Pixel</b>	3 pixels	5 pixels	10 pixels	3 pixels	5 pixels	10 pixels
<b>Housing</b>	Extruded Aluminum					
<b>Cover Lens</b>	Clear Glass			PC		
<b>Adjustment Options</b>	Adjustable					
<b>Dimensions (W x H)</b>	23.5x27.2mm (without bracket)			23.5x37mm (without bracket)		
<b>Dimensions (L)</b>	300mm	500mm	1000mm	300mm	500mm	1000mm
<b>Weight</b>	0.35kg	0.52kg	0.85kg	0.35kg	0.52kg	0.85kg
<b>Regulatory Listing &amp; Safety Approval</b>	CE					
<b>Operating Temperature</b>	-30°C to +50°C / -22°F to +122°F					
<b>Storage Temperature</b>	-40°C to +70°C / -40°F to +158°F					
<b>Environment</b>	Outdoor, IP66					
<b>Humidity</b>	10-90%, non-condensing					

**Electrical Specifications**

<b>Operating Voltage</b>	24V DC
<b>Power Consumption</b>	4.2W / 7W / 14W

**System Specifications**

<b>Control</b>	DMX512
<b>Power Supply</b>	LED Engine 24V Outdoor
<b>Addressing Options</b>	Manual Addressing with 3rd party addressing device

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.

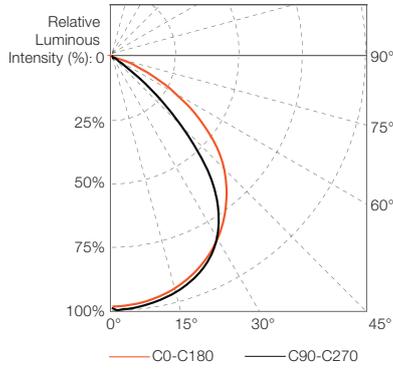
As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of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

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Candela Distribution (Direct View)



Light Output

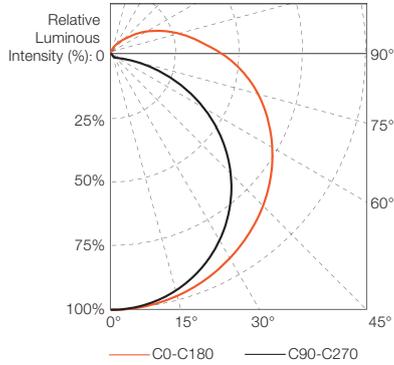
Color	Luminous Flux (lm)
<b>300</b>	
RGBW (full-on)	126 lm
RGB	42 lm
Red	8.4 lm
Green	27 lm
Blue	6.6 lm
White (RGB off)	87 lm
<b>500</b>	
RGBW (full-on)	210 lm
RGB	70 lm
Red	14 lm
Green	45 lm
Blue	11 lm
White (RGB off)	145 lm
<b>1000</b>	
RGBW (full-on)	420 lm
RGB	140 lm
Red	28 lm
Green	90 lm
Blue	22 lm
White (RGB off)	290 lm

Illuminance at a Distance



- Vert. Spread: 85.2°
- Horiz. Spread: 103.2°

Candela Distribution (Diffused View)



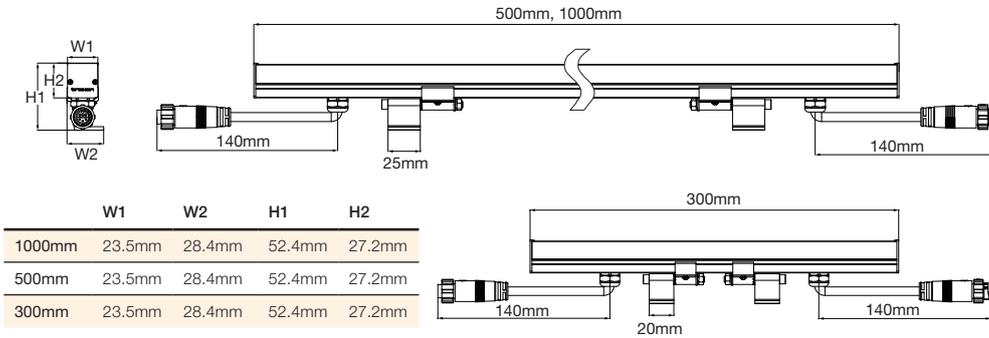
Light Output

Color	Luminous Flux (lm)
<b>300</b>	
White (RGBW full-on)	126 lm
RGB	44.4 lm
Red	8.4 lm
Green	30 lm
Blue	6 lm
White (RGB off)	91.8 lm
<b>500</b>	
White (RGBW full-on)	210 lm
RGB	74 lm
Red	14 lm
Green	50 lm
Blue	10 lm
White (RGB off)	153 lm
<b>1000</b>	
White (RGBW full-on)	420 lm
RGB	148 lm
Red	28 lm
Green	100 lm
Blue	20 lm
White (RGB off)	306 lm

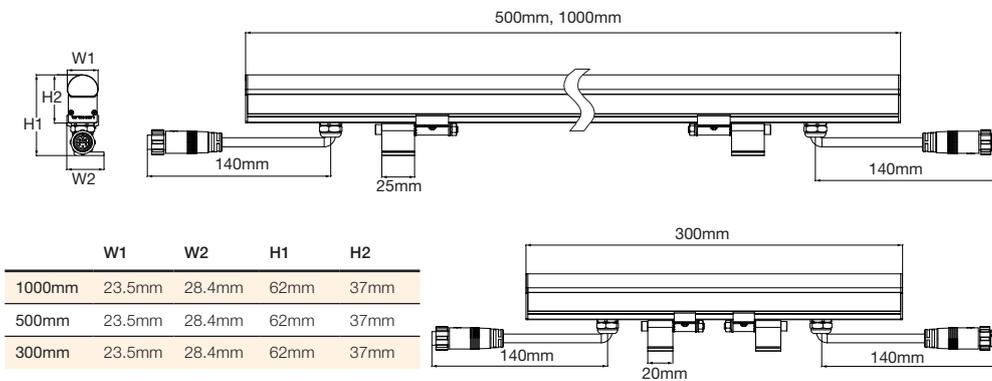
Illuminance at a Distance



## Fixture Dimensions (Direct View)

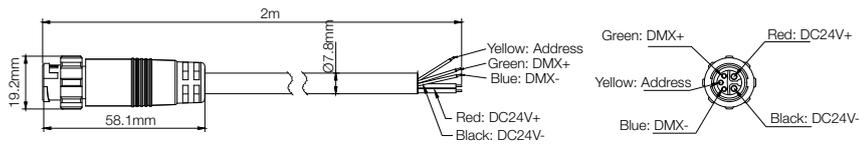


## Fixture Dimensions (Diffused View)

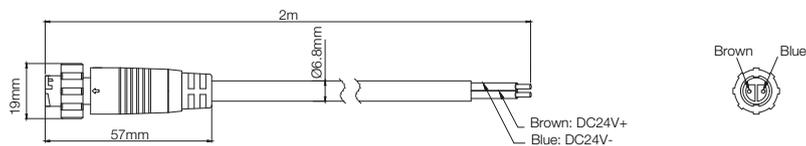


## Accessories Dimensions

Start Cable, 5-wire, 2m (AM437890055)



Starter Cable, 2-wire, 2m (AM437930055)

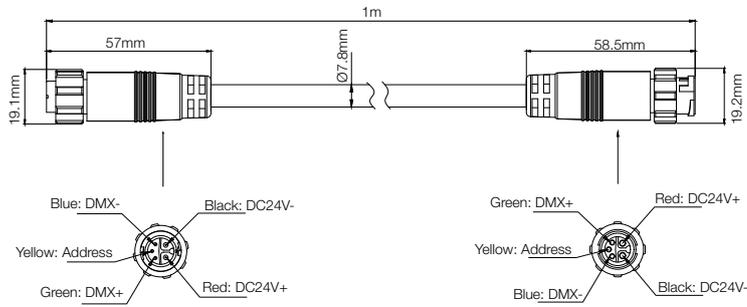


End Cap with 120Ω terminator (AM437910055)

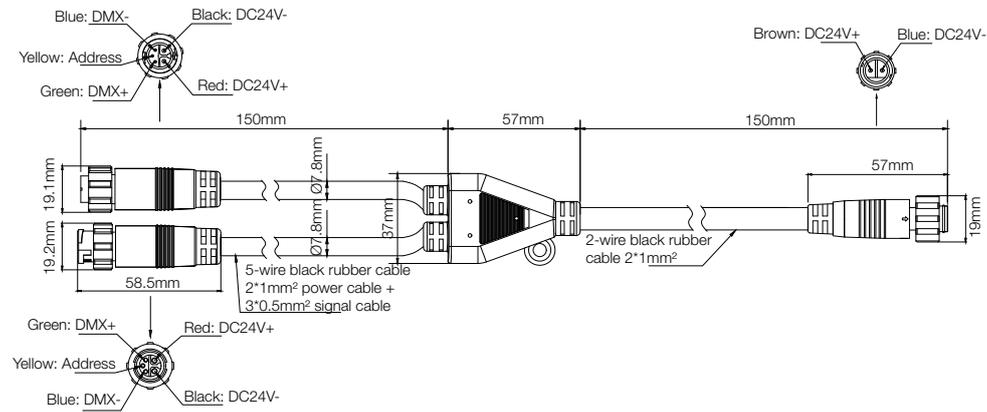


Accessories Dimensions

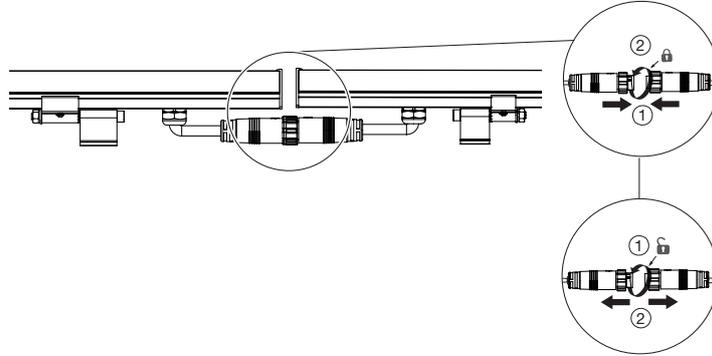
Inter cable, 5-wire, 1m (AM437900055)



Y-cable, 0.15m (AM437920055)

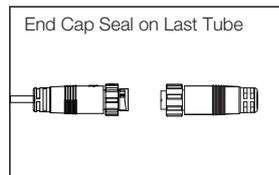
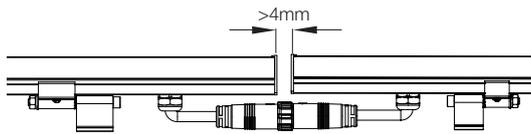


Cable Connection

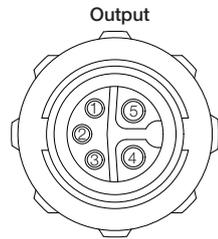


Tube-to-Tube Clearance

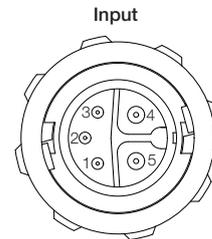
To maintain consistent LED pitch and to allow for thermal expansion for Tubes.



Connector Pin Assignment



Wire#	Description	Color
1	DMX+	Green
2	Address	Yellow
3	DMX-	Blue
4	DC24V-	Black
5	DC24V+	Red

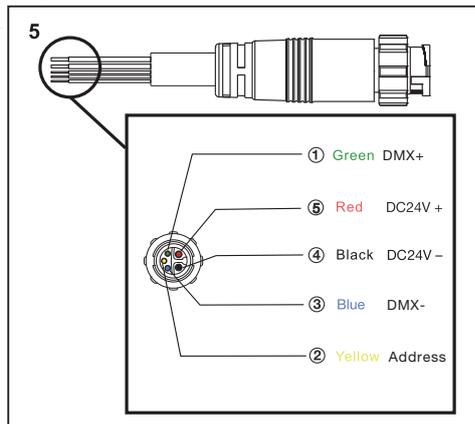
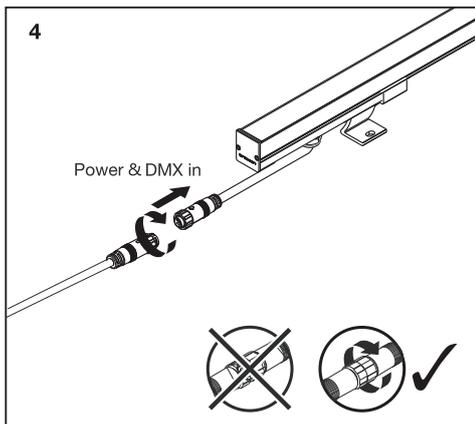
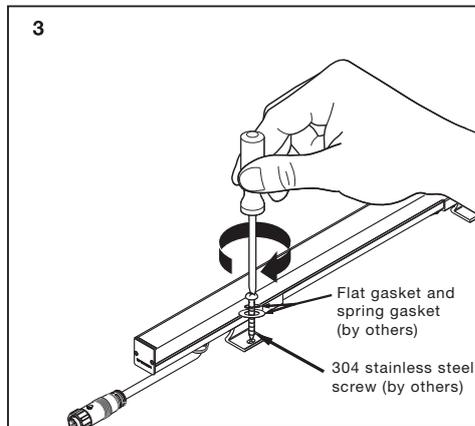
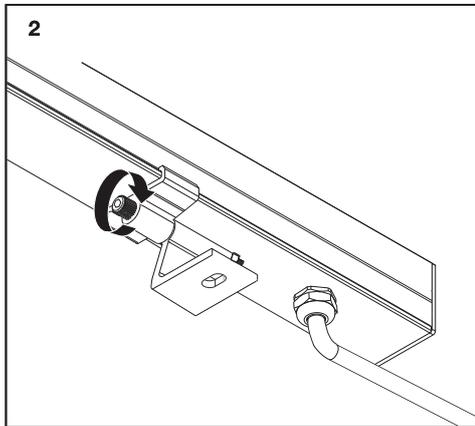


Bracket Mounting

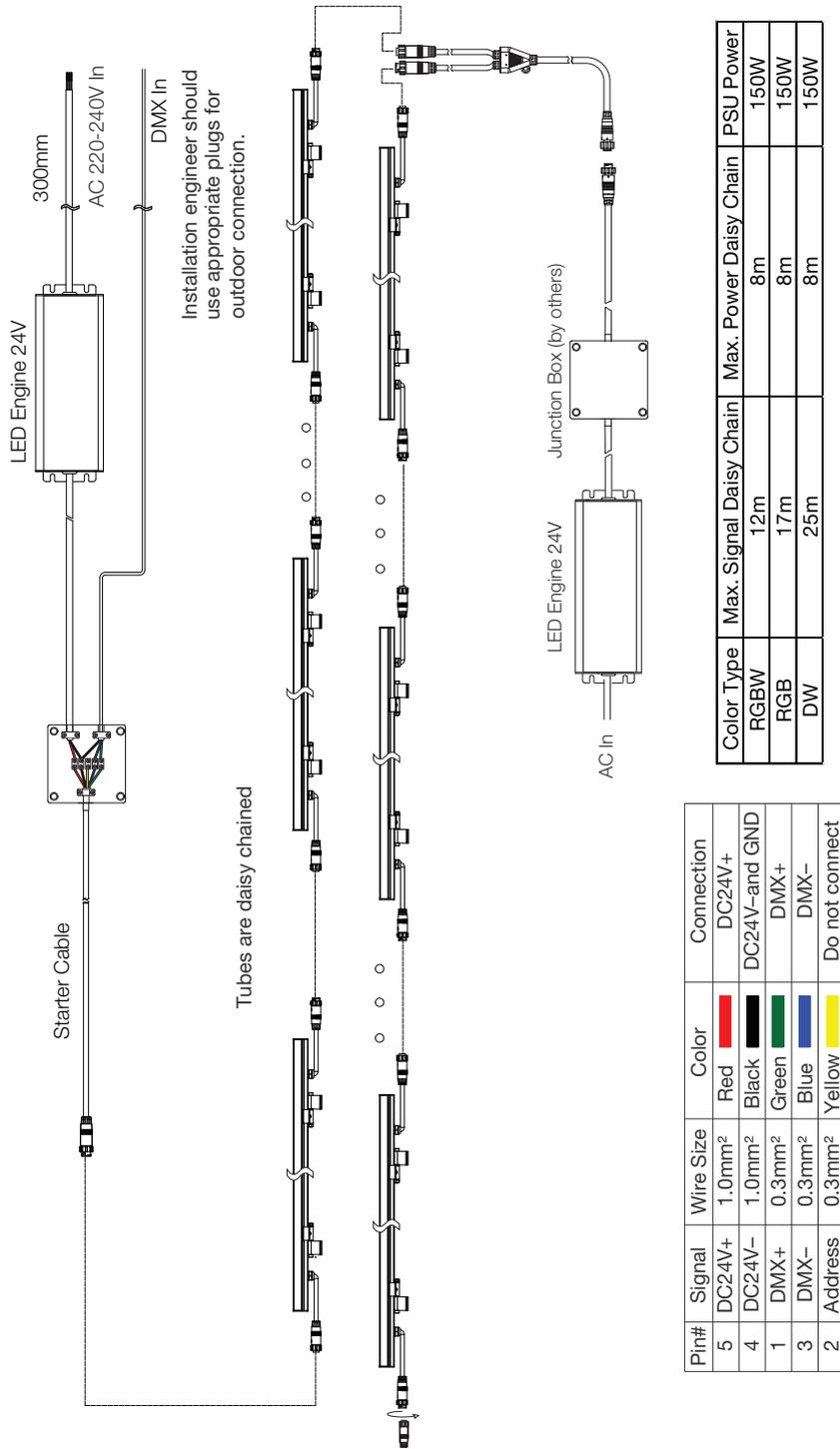
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NOTE: Clear view AS Media Tube and diffused view AS Media Tube share the same mounting steps.

	D (mm)	
	Min	Max
AS Media Tube 1000	650	750
AS Media Tube 500	200	250
AS Media Tube 300	60	75



System Diagram



The Address wire only need to be connected during address configuration, it is not needed during operation. This wiring diagram shows only typical connections. Actual wiring depends on LED Tube configuration and installation. Actual no. vary according to cable lengths and signal source. Please consult your local Traxon office for aid.

**Fixtures**

Model No.	Description	Item Code
TU.AT.3110100	AS MEDIA TUBE RGBW 1000 10PXL DF R	AM435890055
TU.AT.2105100	AS MEDIA TUBE RGBW 500 5PXL DF R	AM435900055
TU.AT.1103100	AS MEDIA TUBE RGBW 300 3PXL DF R	AM435910055
TU.AT.3410000	AS MEDIA TUBE RGBW 1000 10PXL CR	AM435980055
TU.AT.2405000	AS MEDIA TUBE RGBW 500 5PXL CR	AM435990055
TU.AT.1403000	AS MEDIA TUBE RGBW 300 3PXL CR	AM436000055

**TX Connect**

Model No.	Description	Item Code
TU.AC.1400100	AS MT STARTER CABLE, 5-WIRE, 2M	AM437890055
TU.AC.1400200	AS MT INTER CABLE, 5-WIRE, 1M	AM437900055
TU.AC.1400300	AS MT END CAP WITH 120Ω TERMINATOR	AM437910055
TU.AC.1400400	AS MT Y-CABLE , 0.15M	AM437920055
TU.AC.1401100	AS MT STARTER CABLE, 2-WIRE, 2M	AM437930055
TU.AC.1401300	AS MT INTER CABLE, 2-WIRE, 1M	AM437950055

**TX Control**

Model No.	Description	Item Code
N/A	LED ENGINE 100W 24V OUTDOOR	AM175860055
N/A	LED ENGINE 185W 24V OUTDOOR	AM175880055
N/A	LED ENGINE 320W 24V OUTDOOR	AM175900055

## Our Brands

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