

Project: _____
 Type: _____

ARCHISHAPE® Media Tube DW



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
Light Source	18 2700K + 18 6500K	30 2700K + 30 6500K	60 2700K + 60 6500K	18 2700K + 18 6500K	30 2700K + 30 6500K	60 2700K + 60 6500K
Color Range	White CCT 2700K-6500K					
Beam Angle	90°			115°x170°		
Luminous Flux	223 lm	371 lm	742 lm	181 lm	301 lm	602 lm
Efficacy	53 lm/W			43 lm/W		
Pixel Pitch	100mm			100mm		
Pixel Configuration	6 Warm White + 6 Cool White LEDs per pixel					
Number of Pixel	3 pixels	5 pixels	10 pixels	3 pixels	5 pixels	10 pixels
Housing	Extruded Aluminum					
Cover Lens	Clear Glass			PC		
Adjustment Options	Adjustable					
Dimensions (W x H)	23.5x27.2mm (without bracket)			23.5x37mm (without bracket)		
Dimensions (L)	300mm	500mm	1000mm	300mm	500mm	1000mm
Weight	0.35kg	0.52kg	0.85kg	0.35kg	0.52kg	0.85kg
Regulatory Listing & Safety Approval	CE					
Operating Temperature	-30°C to +50°C / -22°F to +122°F					
Storage Temperature	-40°C to +70°C / -40°F to +158°F					
Environment	Outdoor, IP66					
Humidity	10-90%, non-condensing					

Electrical Specifications

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

System Specifications

Control	DMX512
Power Supply	LED Engine 24V Outdoor
Addressing Options	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.

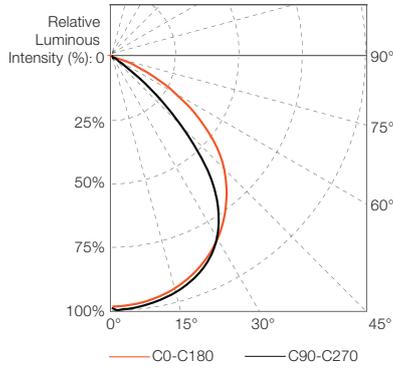
As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of 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-79-03 standard. Lumen maintenance is calculated based on LM-80 compliant measurement.

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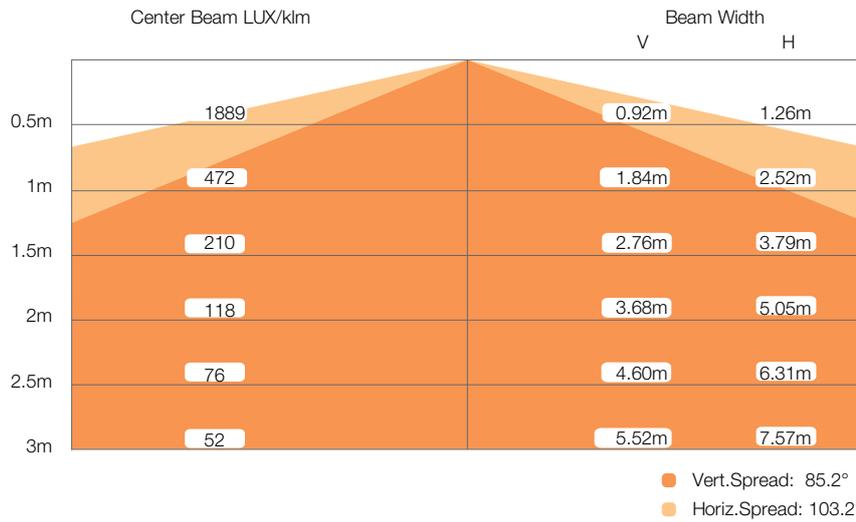
Candela Distribution (Direct View)



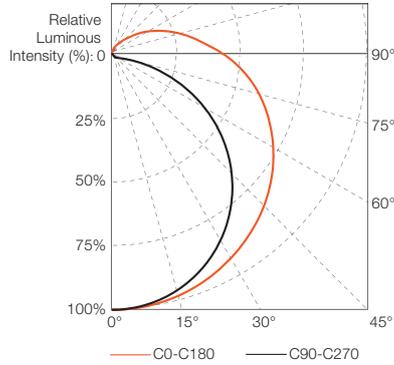
Light Output

Color	Luminous Flux (lm)
300	
DW (full-on)	222.6 lm
2700K	109.5 lm
6500K	121.5 lm
500	
DW (full-on)	371 lm
2700K	182.5 lm
6500K	202.5 lm
1000	
DW (full-on)	742 lm
2700K	365 lm
6500K	405 lm

Illuminance at a Distance



Candela Distribution (Diffused View)



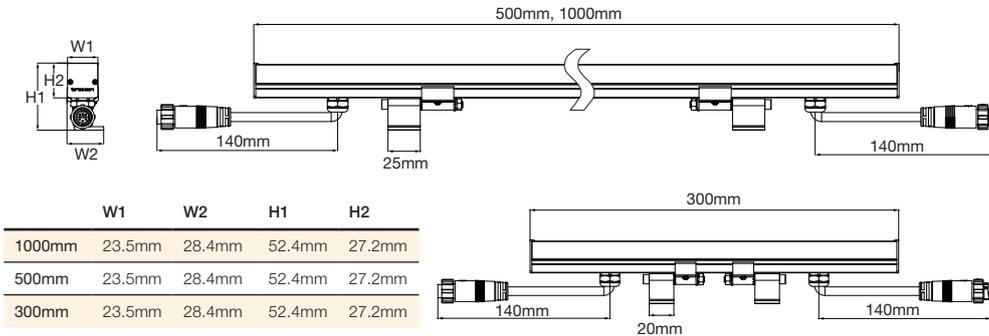
Light Output

Color	Luminous Flux (lm)
300	
DW (full-on)	180.6 lm
2700K	90 lm
6500K	99.6 lm
500	
DW (full-on)	301 lm
2700K	150 lm
6500K	166 lm
1000	
DW (full-on)	602 lm
2700K	300 lm
6500K	332 lm

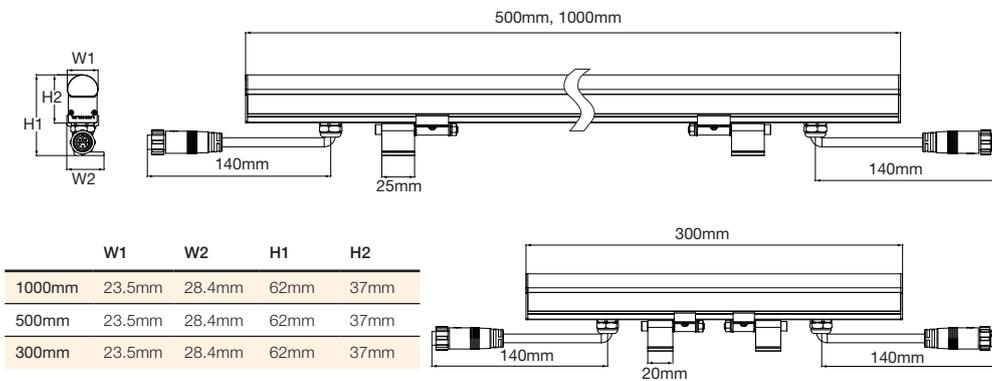
Illuminance at a Distance



Fixture Dimensions (Direct View)

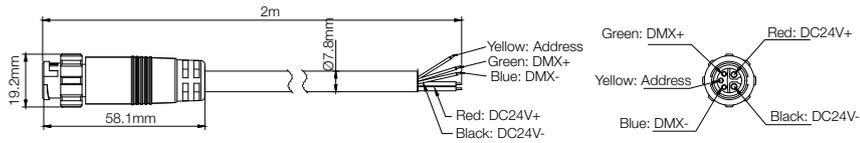


Fixture Dimensions (Diffused View)

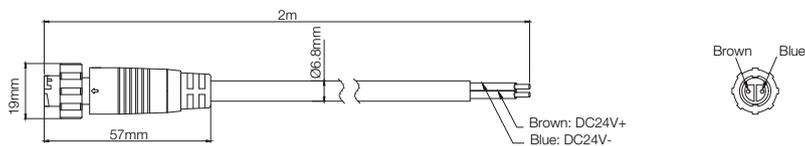


Accessories Dimensions

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



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

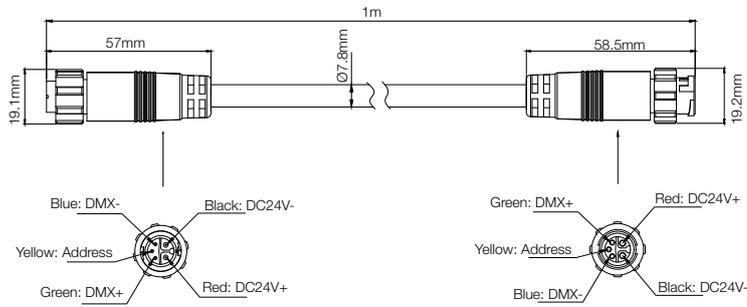


End Cap with 120Ω terminator (AM437910055)

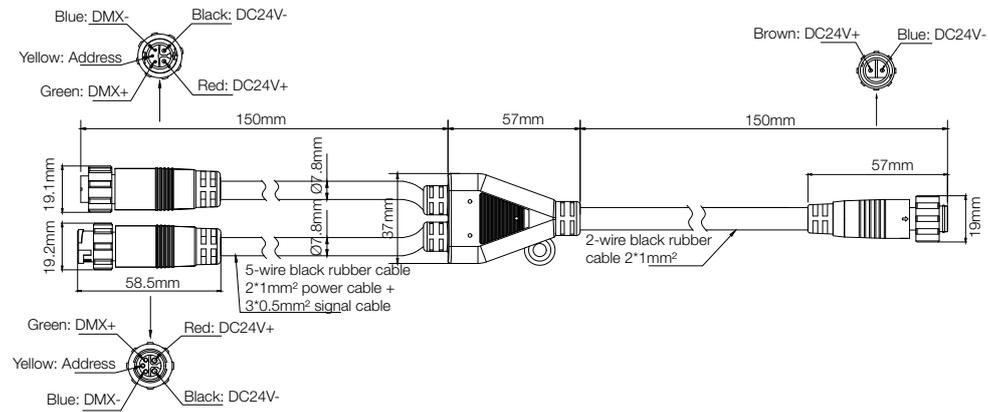


Accessories Dimensions

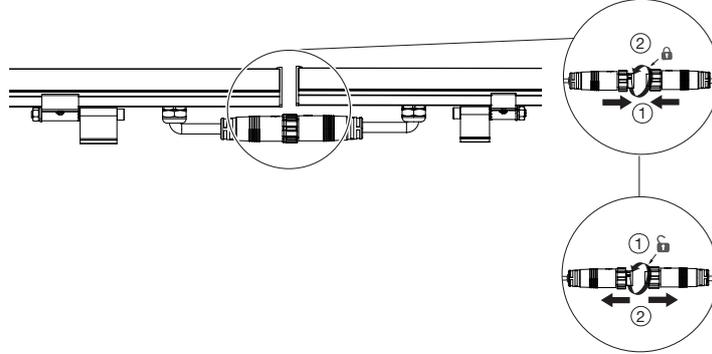
Inter cable, 5-wire, 1m (AM437900055)



Y-cable, 0.15m (AM437920055)

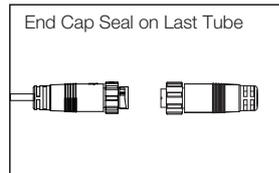
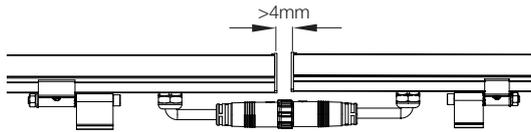


Cable Connection

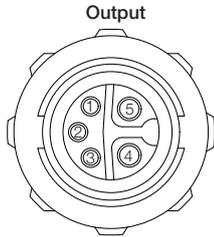


Tube-to-Tube Clearance

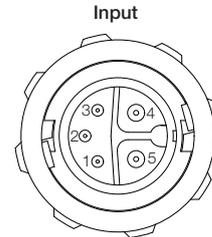
To maintain consistent LED pitch and to allow for thermal expansion for Tubes.



Connector Pin Assignment



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

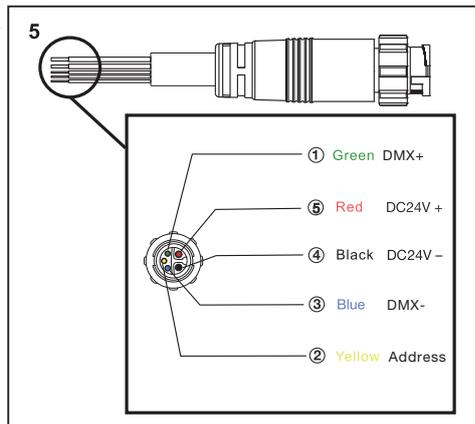
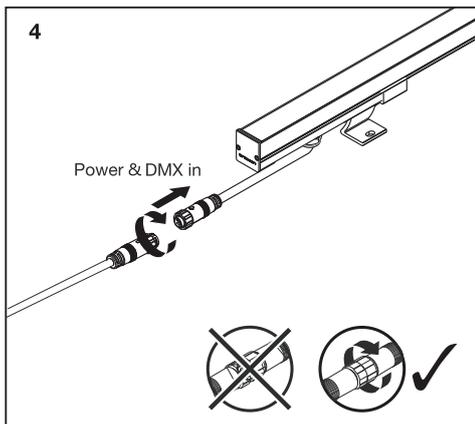
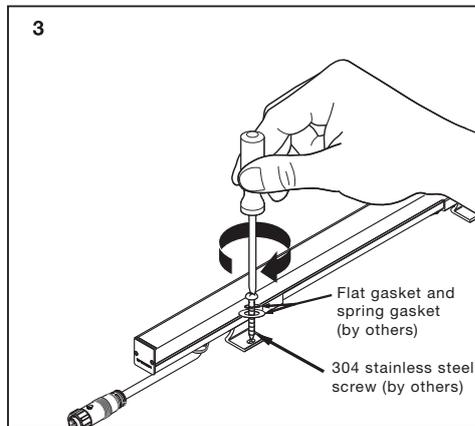
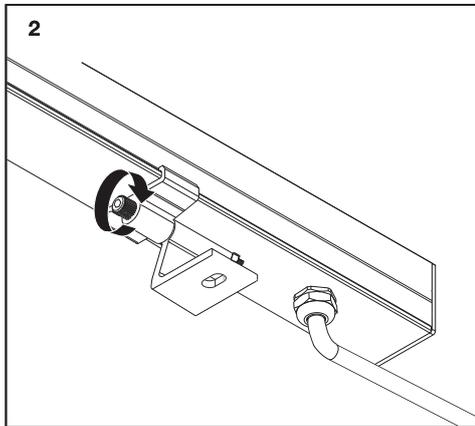


Bracket Mounting

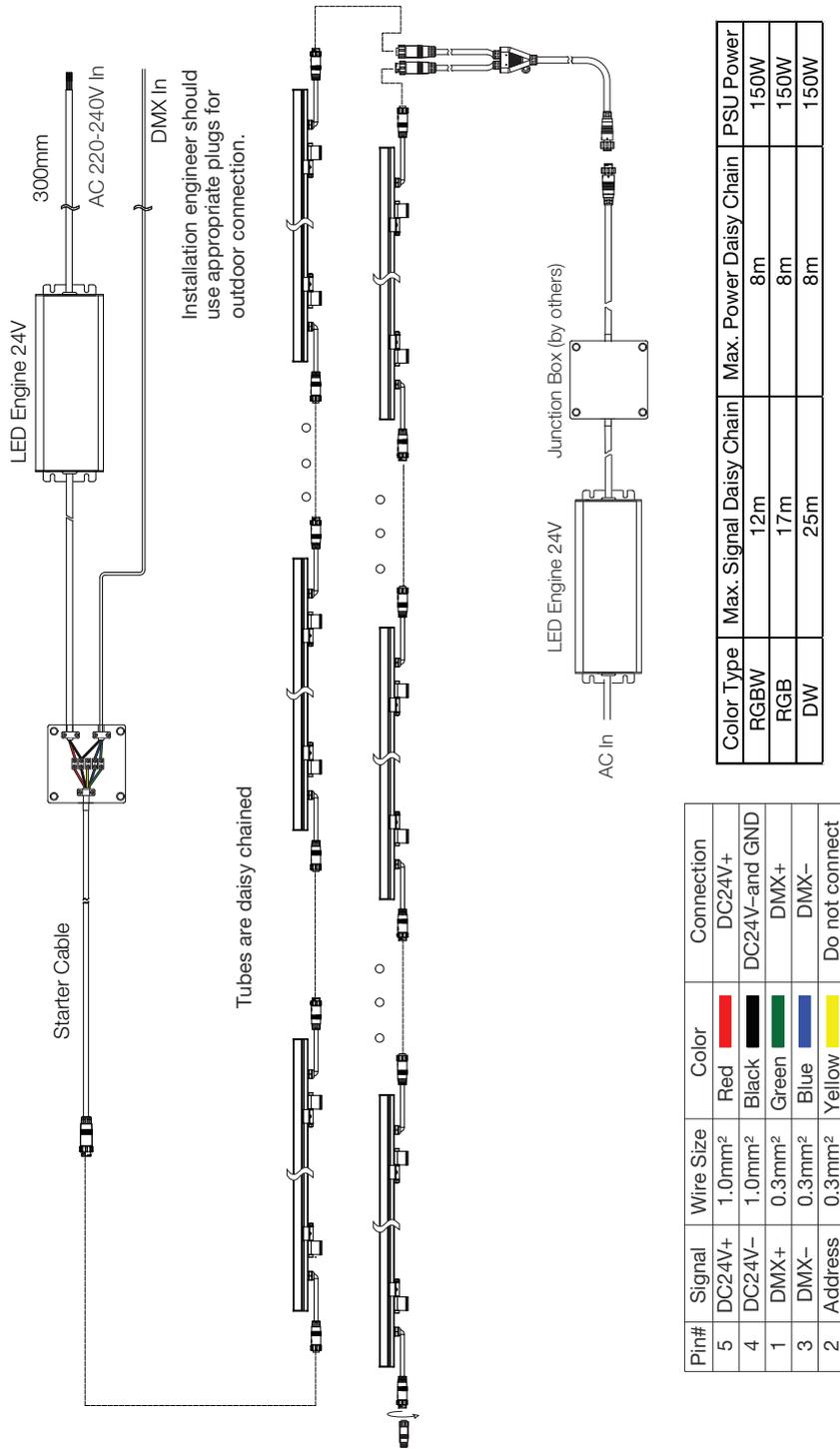
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NOTE: Clear view AS Media Tube and diffused view AS Media Tube share the same mounting steps.

	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.3310100	AS MEDIA TUBE DW 1000 10PXL DF R	AM435950055
TU.AT.2305100	AS MEDIA TUBE DW 500 5PXL DF R	AM435960055
TU.AT.1303100	AS MEDIA TUBE DW 300 3PXL DF R	AM435970055
TU.AT.3310000	AS MEDIA TUBE DW 1000 10PXL CR	AM436040055
TU.AT.2305000	AS MEDIA TUBE DW 500 5PXL CR	AM436050055
TU.AT.1303000	AS MEDIA TUBE DW 300 3PXL CR	AM436060055

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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