



ARCHISHAPE® Tube Ultra Slim RGBW

ARCHISHAPE® Tube Ultra Slim is an IP66-rated slim LED tube for any wall or façade media lighting. Available in 300/500/1000mm lengths, the simple but robust construction allows up to maximum 12 meters of tubes to be daisy chained on a single power supply unit. The unique 4 in 1 solution provides a gorgeous color.



Product Specifications

	300mm	500mm	1000mm
Light Source (4 in 1 LEDs)	18	30	60
Color Range	16.7 Million additive RGB colors; White CCT 5000K		
Beam Angle	100° (Direct view)		
Luminous Flux (Diffused view)	148 lm	240 lm	492 lm
Efficacy	41 lm/W		
LED Pitch	16.6mm		
Pixel Configuration	6 RGBW LEDs per pixel		
Number of Pixel	3 pixels	5 pixels	10 pixels
Housing	Aluminium housing		
Adjustment Options	Fixed, non-adjustable		
Dimensions (W x H)	15.5 x 17.5mm, 35 x 37.6mm (mounting bracket included)		
Dimensions (L)	300mm	500mm	1000mm
Weight	0.18kg	0.3kg	0.5kg
Safety Approval	CE		
Operating Temperature	-25°C to +50°C / -13°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	48V DC		
Power Consumption	3.6W	6.2W	12W

System Specifications

Control	DMX512
Power Supply	LED Engine 240W 48V Outdoor
Addressing Options	Auto-addressing per daisy-chain

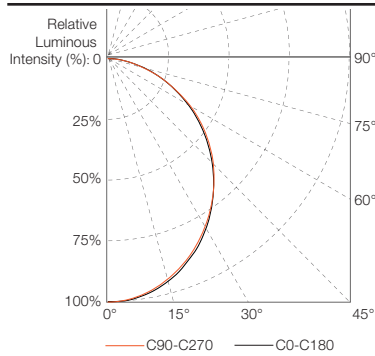
LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, 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.

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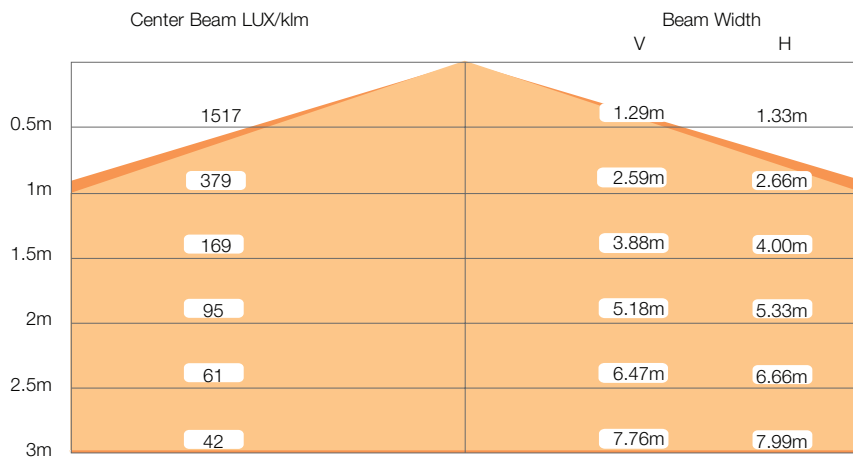
Candela Distribution



Light Output

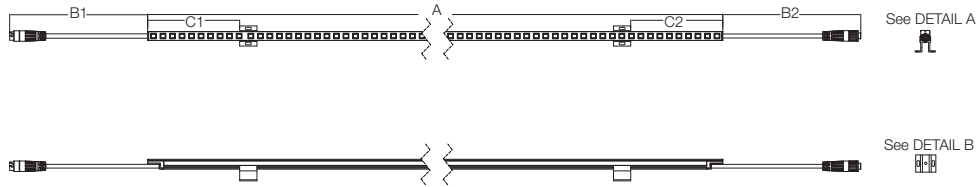
Color	Luminous Flux (lm)
300	
White 5000K (RGBW full-on)	147.8lm
RGB	98.1lm
Red	25.4lm
Green	60.6lm
Blue	12.1lm
White 5000K (RGB off)	49.7lm
500	
White 5000K (RGBW full-on)	240.8lm
RGB	161.4lm
Red	40.3lm
Green	101.2lm
Blue	19.9lm
White 5000K (RGB off)	79.4lm
1000	
White 5000K (RGBW full-on)	492.4lm
RGB	330.1lm
Red	82.4lm
Green	207.0lm
Blue	40.7lm
White 5000K (RGB off)	162.3lm

Illuminance at a Distance

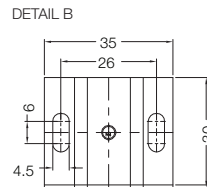
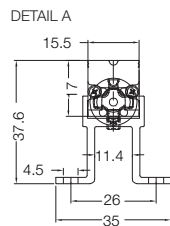


- Vert. Spread: 106.2°
- Horiz. Spread: 104.6°

Dimensions (Unit: mm)

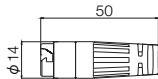


Tube length A	Cable length B1	Cable length B2	Bracket position C1	Bracket position C2
1000	200	160	160	160
500	200	160	160	160
300	200	160	80	120

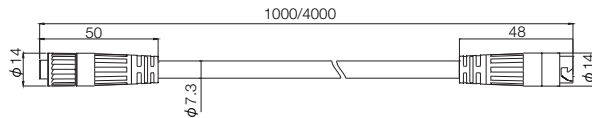


Accessories Dimensions (Unit: mm)

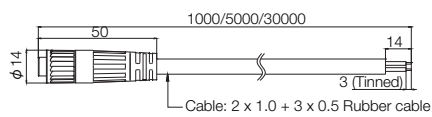
End Cap with 120 Ohm



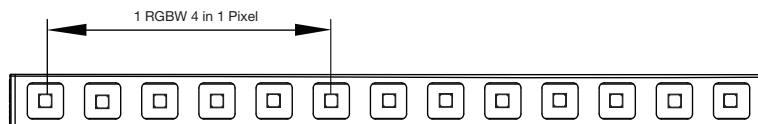
Interconnection Cable



Starter Cable



LED Pattern



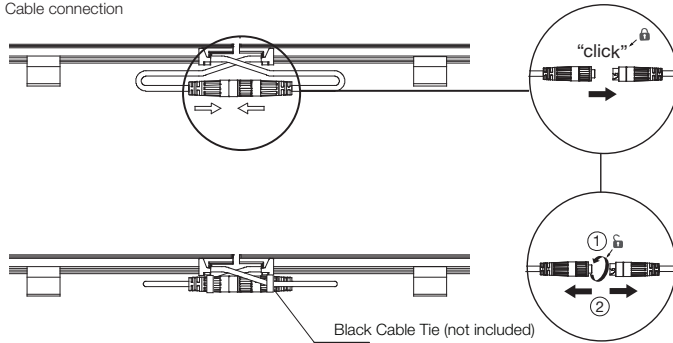
□ RGBW 4 in 1 LED

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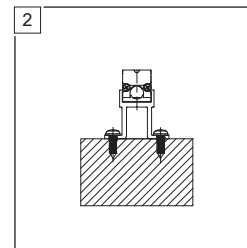
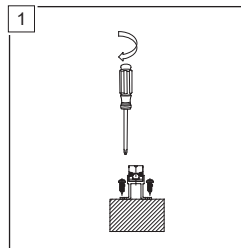
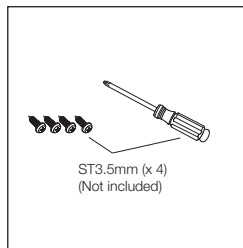
Mounting

Cable connection



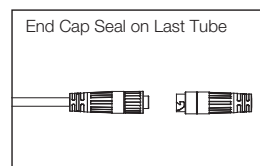
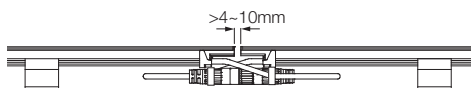
If you do not hear "click", rotate the spring loaded lock nut manually (in opposite direction to loosening) to ensure that the connectors are properly mated and tightened.

Bracket Mounting

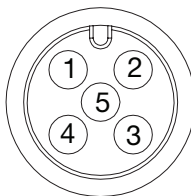


Tube-to-Tube Clearance

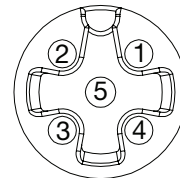
To maintain consistent LED pitch and to allow for thermal expansion for Tubes.



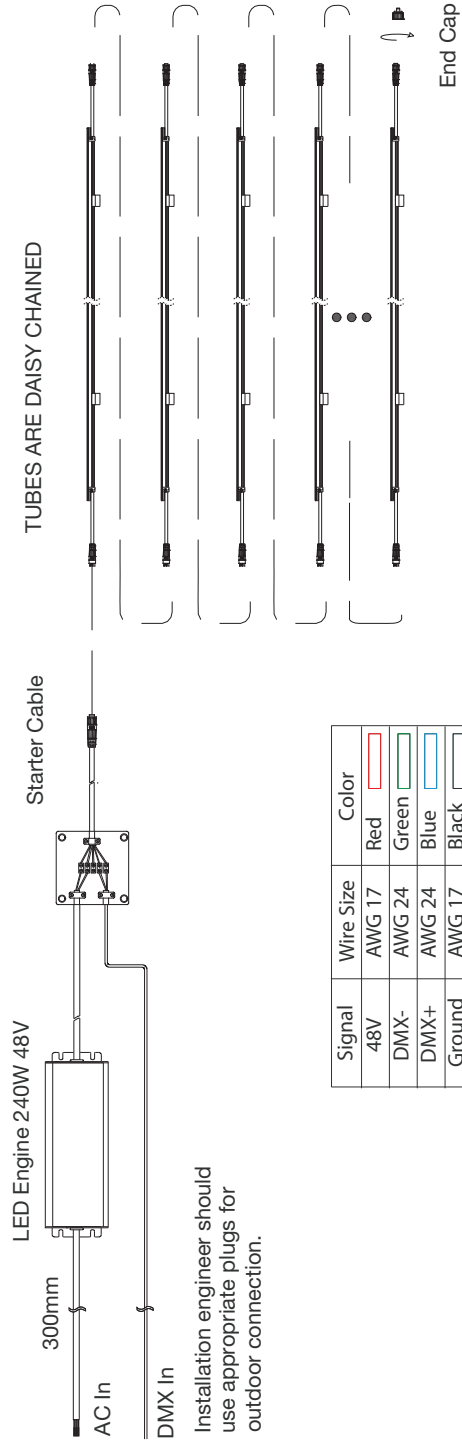
Connector Pin Assignment



Wire#	Description	Color
1	Signal ground	Yellow
2	DC48V+	Red
3	DMX-	Green
4	DMX+	Blue
5	DC48V-	Black



Daisy chain of 12m tubes



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.



ARCHISHAPE® Tube Ultra Slim RGBW

Ordering

Fixtures

Model No.	Description	Item Code
TU.AS.3410100	AS TUBE C1 RGBW 1000 10PXL 48V DV	AM381940055
TU.AS.2405100	AS TUBE C1 RGBW 500 5PXL 48V DV	AM381960055
TU.AS.1403100	AS TUBE C1 RGBW 300 3PXL 48V DV	AM381970055

TX Connect

Model No.	Description	Item Code
TU.AC.1100100	AS TUBE STARTER CABLE 5-WIRE, 1M	AM382010055
TU.AC.1100200	AS TUBE STARTER CABLE 5-WIRE, 5M	AM382020055
TU.AC.1100300	AS TUBE STARTER CABLE 5-WIRE, 30M	AM382030055
TU.AC.1100600	AS INTERCONNECTION CABLE, 5-WIRE, 1M	AM382060055
TU.AC.1100700	AS INTERCONNECTION CABLE, 5-WIRE, 4M	AM382070055
TU.AC.1100400	AS TUBE END CAP WITH 120Ω TERMINATOR	AM382040055

TX Control

Model No.	Description	Item Code
N/A	LED Engine 240W 48V Outdoor	AM089330055