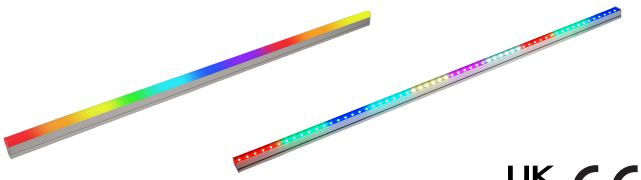
TRAXON Go

Media Tube® Go RGB

Project: _____

Type: _____



IP66 COAST DMX 512 ANSI 3G

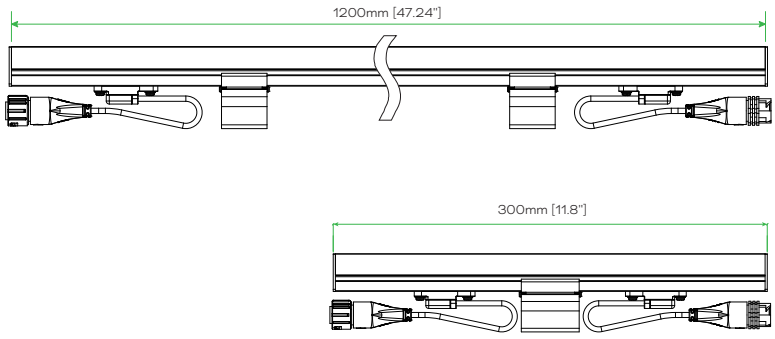
Media Tube® Go fits into any wall, façade or media lighting application with tight installation requirements, while the wide beam angle output and 10-pixels-per-meter ensures a smooth illumination experience. Featuring auto-addressing and quick lock connectivity, this greatly simplifies the lighting installation for building façades, media applications, bridges and more.
This product is intended for use in high-quality colored light applications.

Features

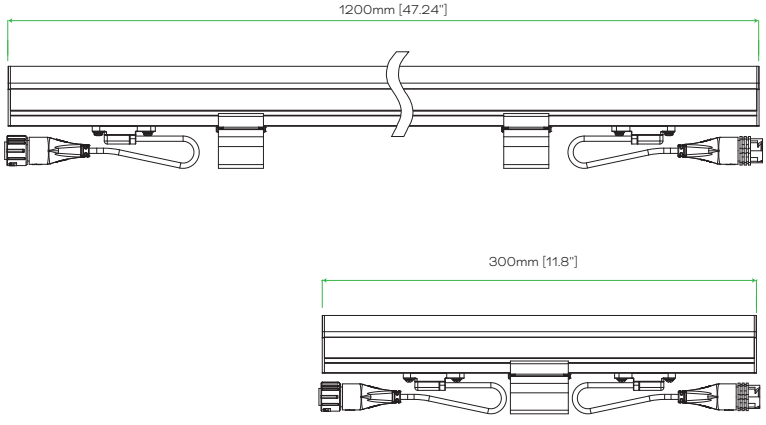
- DMX control
- Easy installation and maintenance
- Quick lock connection

Dimensions

Direct View



Diffused View

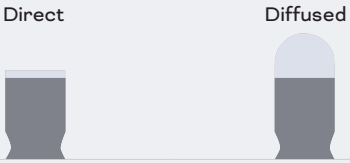


Technologies

- Auto-addressing per daisy-chain
- Color Correction
- White Balance

Color Options

Beam Angle



Finish

Silver Anodizing

Product Specifications

	Direct View		Diffused View	
Model	300mm / 11.8”	1200mm / 47.2”	300mm / 11.8”	1200mm / 47.2”
Light Source	18 RGB	72 RGB	18 RGB	72 RGB
Color Range	16.7 Million additive RGB colors			
Luminous Flux	188 lm	751 lm	136 lm	543 lm
Efficacy	52.2 lm/W		37.7 lm/W	
Beam Angles	110°		120° x 180°	
Pixel Pitch	100mm / 3.9”			
Pixel Configuration	6 RGB LEDs per pixel		6 RGB LEDs per pixel	
Number of Pixel	3 pixels	12 pixels	3 pixels	12 pixels
Lens	Clear Glass		UV resistant polycarbonate	
Housing	Extruded Aluminum			
Adjustment Options	Fixed, non-adjustable			
Mounting	Mounting Bracket			
Dimensions (L x W x H) (Mounting bracket included)	300mm x 24mm x 54mm 11.8” x 0.9” x 2.1”	1200mm x 24mm x 54mm 47.2” x 0.9” x 2.1”	300mm x 24mm x 68mm 11.8” x 0.9” x 2.7”	1200mm x 24mm x 68mm 47.2” x 0.9” x 2.7”
Weight	0.35kg / 0.77lbs	1.02kg / 2.25lbs	0.35kg / 0.77lbs	1.02kg / 2.25lbs
Regulatory Listing & Safety Approval	CE, UKCA, cETLus, FCC, ANSI C136.31-3G			
Operating Temperature	–40°C to +50°C / –40°F to +122°F			
Storage Temperature	–40°C to +70°C / –40°F to +158°F			
Environment	Outdoor, IP66, IK06 (Direct View), IK08 (Diffused View), Coastal Environment (ASTM B117-16)			
Humidity	10-90%, non-condensing			

Electrical Specifications

Input Voltage	48V DC			
Power Consumption	4.2W	16.8W	4.2W	16.8W
Lumen Maintenance	L70 50000hrs @ 25°C			

System Specifications

Power Supply	LED Engine 48V Outdoor
Control	DMX 512
Addressing Options	Auto-addressing per daisy-chain
Fixture Interconnection	17 m / 55.77’

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.

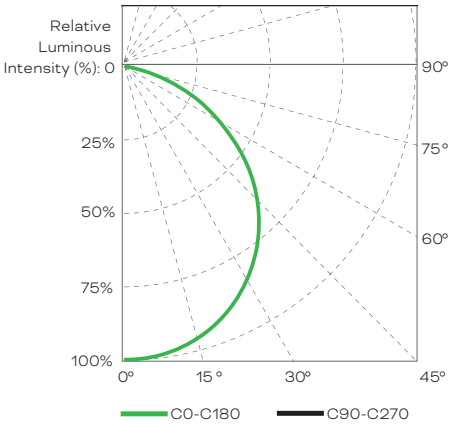
As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of 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 compiles with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.

Source Specifications (Direct View)

Source	RGB LEDs
Optics	110°

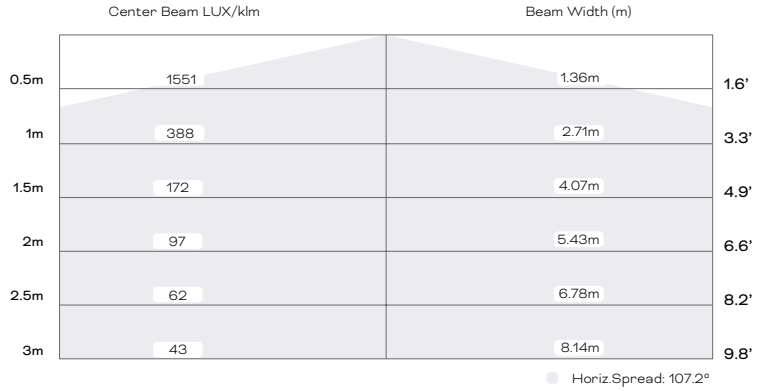
Candela Distribution



Light Output

	Color	Luminous Flux (lm)
300mm / 11.8”	RGB (full-on)	187.8
	Red	51.7
	Green	124.5
	Blue	15.5
1200mm / 47.2”	RGB (full-on)	751.2
	Red	206.8
	Green	498.0
	Blue	62.1

Illuminance at a Distance



For fc divide by 10.7

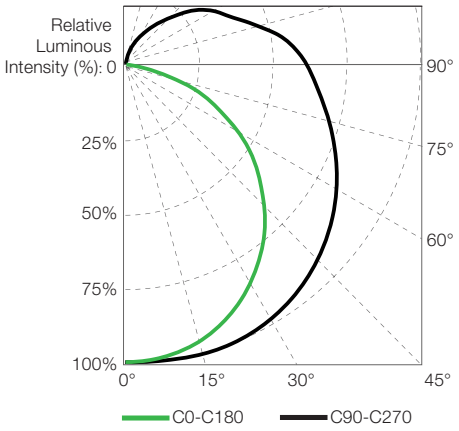
For feet multiply by 3.28

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

Source Specifications (Diffused View)

Source	RGB LEDs
Optics	120° x 180°

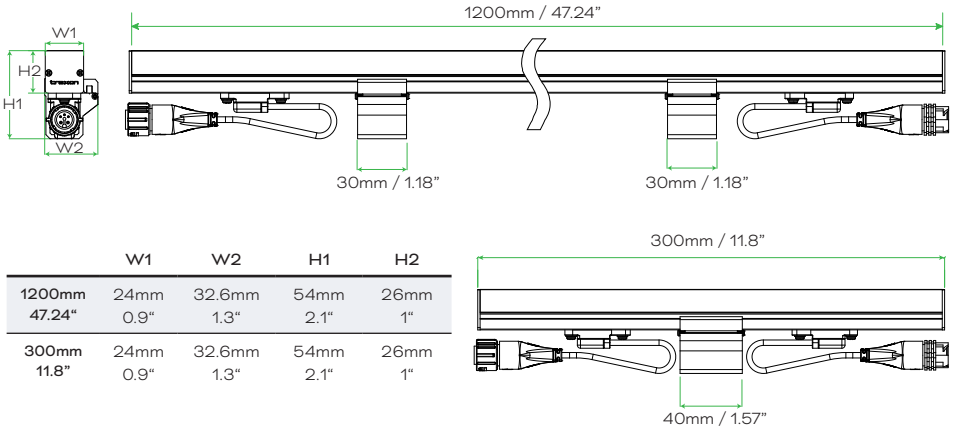
Candela Distribution



Light Output

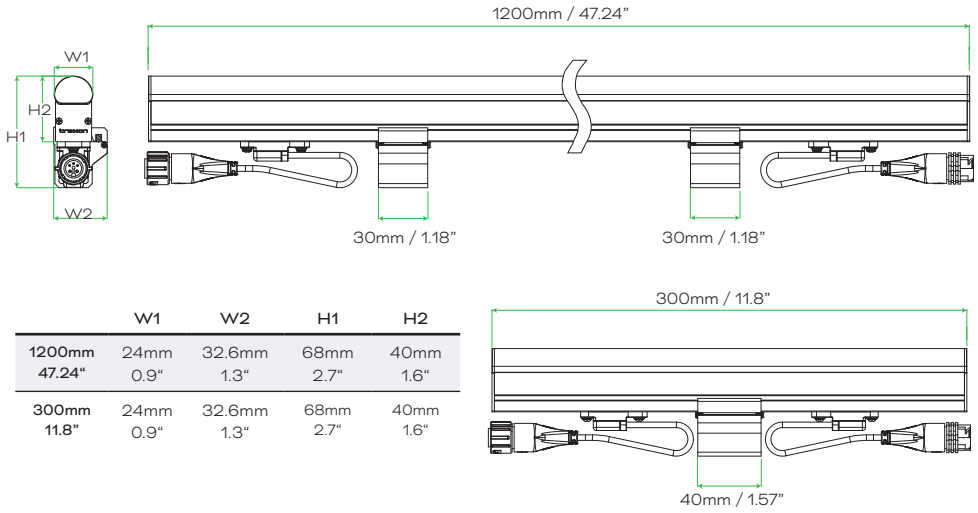
	Color	Luminous Flux (lm)
300mm / 11.8”	RGB (full-on) Red Green Blue	135.8 38 88 11.5
1200mm / 47.2”	RGB (full-on) Red Green Blue	543.0 152.0 351.9 46.0

Fixture (Direct View)



	W1	W2	H1	H2
1200mm 47.24“	24mm 0.9“	32.6mm 1.3“	54mm 2.1“	26mm 1“
300mm 11.8”	24mm 0.9“	32.6mm 1.3“	54mm 2.1“	26mm 1“

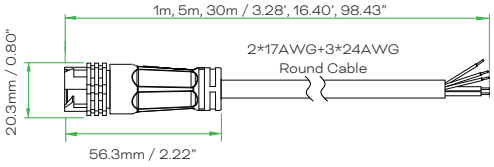
Fixture (Diffused View)



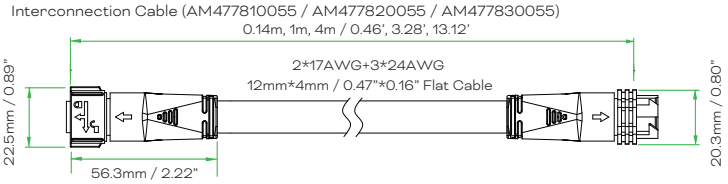
	W1	W2	H1	H2
1200mm 47.24“	24mm 0.9“	32.6mm 1.3“	68mm 2.7“	40mm 1.6“
300mm 11.8”	24mm 0.9“	32.6mm 1.3“	68mm 2.7“	40mm 1.6“

Accessories

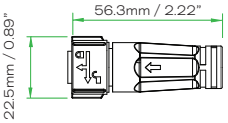
Starter Cable (AM477770055/AM477780055/AM477790055)



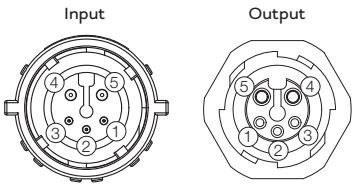
Interconnection Cable (AM477810055 / AM477820055 / AM477830055)



End Cap with 120 Ohm Terminator (AM477800055)



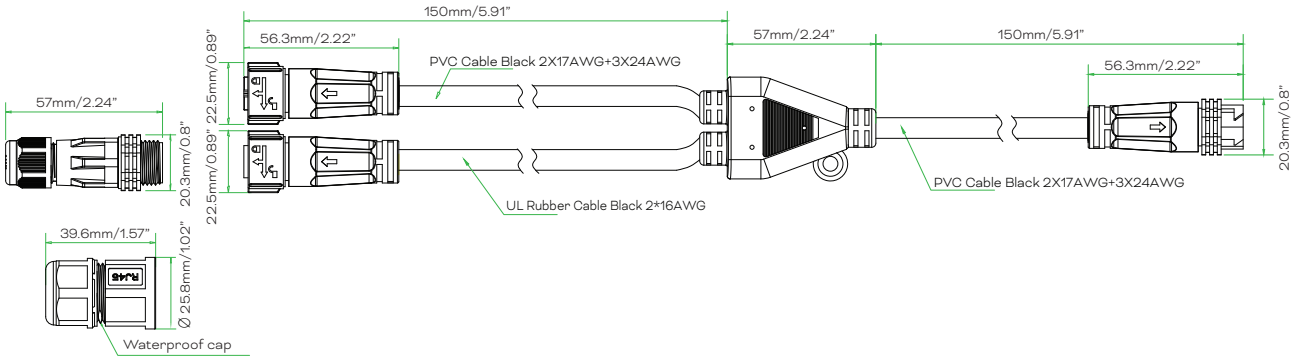
Connector Pin Assignment



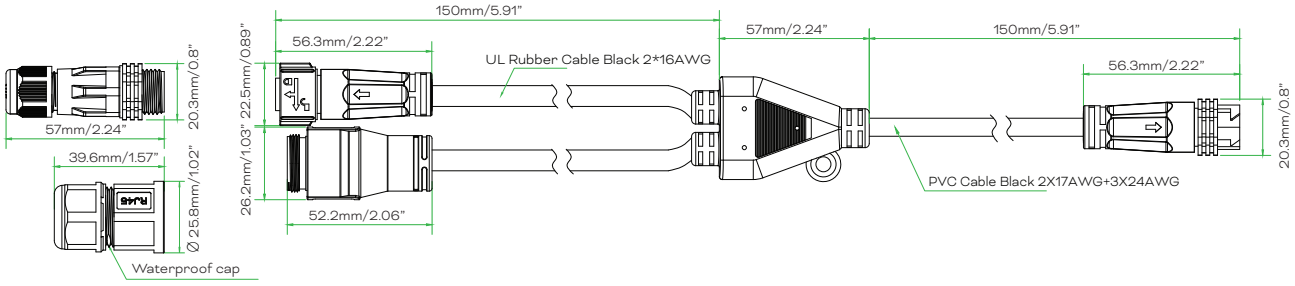
Wire#	Description	Color
1	DMX+	Green
2	Address	Yellow
3	DMX–	Blue
4	DC48V–	Black
5	DC48V+	Red

Accessories

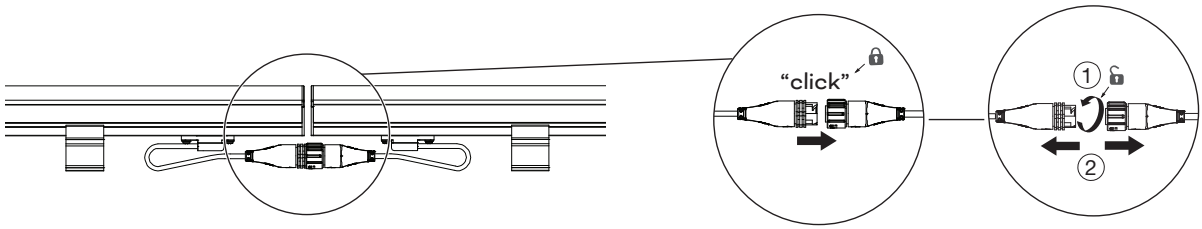
Power Injector Cable Kit (Connector included)



RJ45 Power Injector Cable Kit (Connector included)

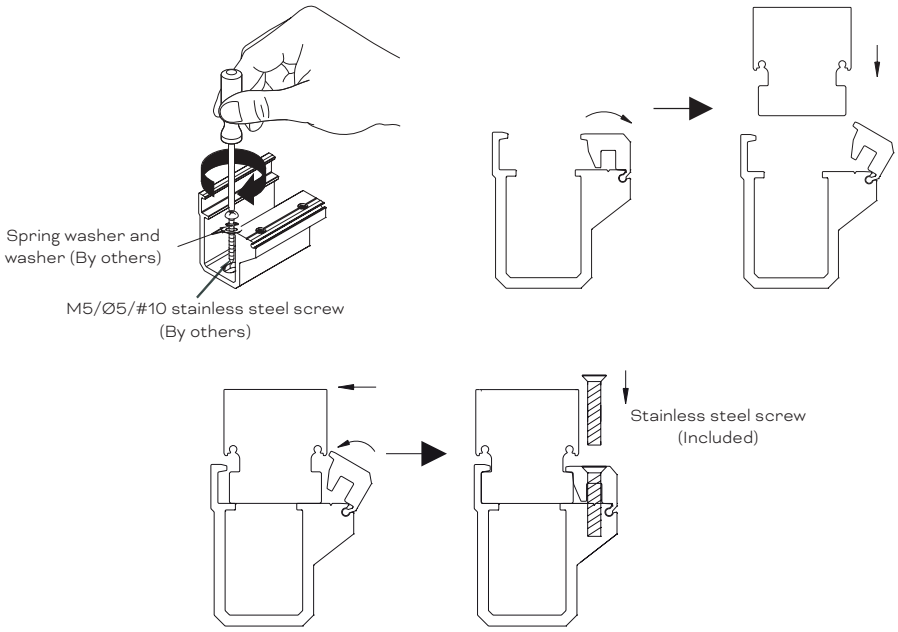


Cable Connection



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).

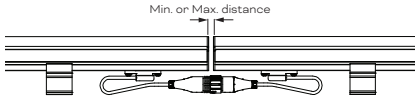
Bracket Mounting

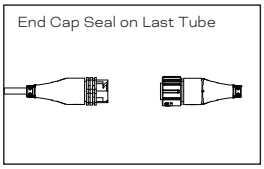


Tube-to-Tube Clearance

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

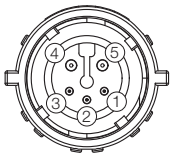
The minimum distance depends on the temperature difference.
Normally, it is 1.5mm/0.06" (direct view) or 4mm/0.16" (diffused view).
When the temperature difference is greater than 35°C/95°F, 5mm/0.2" is needed.
Max. distance: 100mm/3.94"





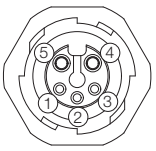
Connector Pin Assignment

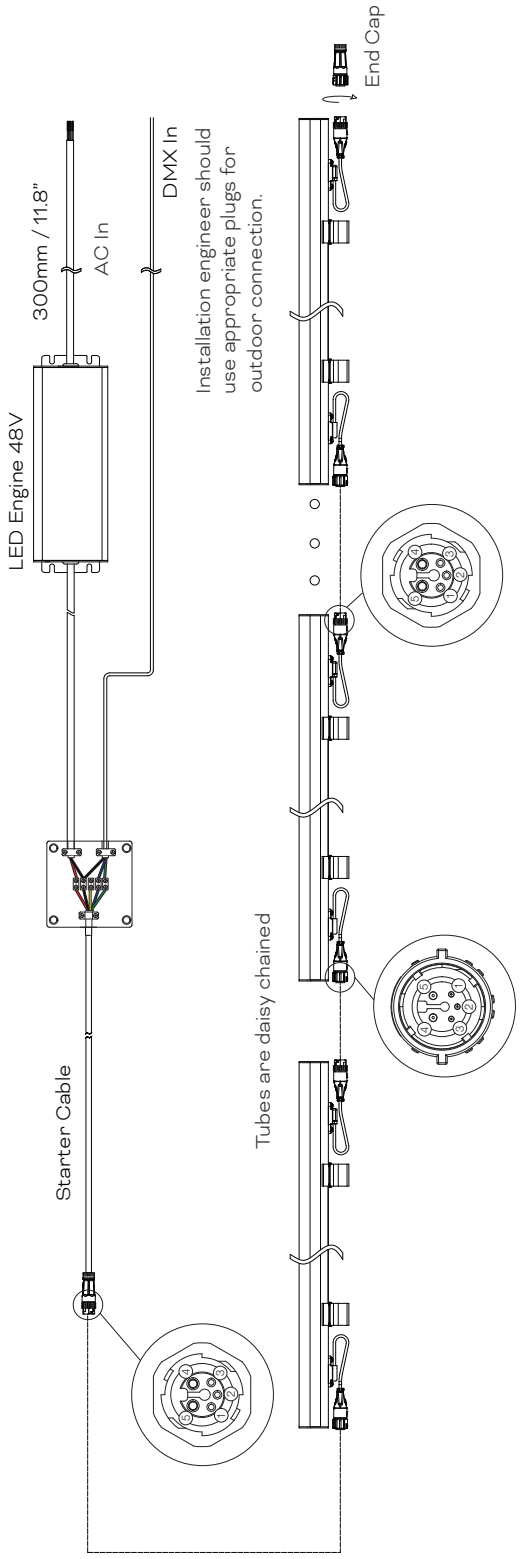
Input



Wire#	Description	Color
1	DMX+	Green
2	Address	Yellow
3	DMX–	Blue
4	DC48V–	Black
5	DC48V+	Red

Output





Pin#	Signal	Color	Connection
5	DC48V+	Red	DC48V+
4	DC48V-	Black	DC48V- and GND
1	DMX+	Green	DMX+
3	DMX-	Blue	DMX-
2	Address	Yellow	Do not connect

Color Type	Max. Daisy Chain	PSU Power
RGBW	12m	240W
RGB	17m	320W
DW	20m	320W

Note: The performance limitation of fixture is determined by data constraints rather than power supply.
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.

Media Tube® Go RGB

Ordering

Fixtures

Model No.	Description	Item Code
TU.AL.B2124G0	MEDIA TUBE GO RGB 1200 12PXL DIFFUSED	DL25102874255
TU.AL.12034G0	MEDIA TUBE GO RGB 300 3PXL DIFFUSED	DL25102874355
TU.AL.B2123G0	MEDIA TUBE GO RGB 1200 12PXL CLEAR	DL25102874855
TU.AL.12033G0	MEDIA TUBE GO RGB 300 3PXL CLEAR	DL25102874955

TX Connect

Model No.	Description	Item Code
TU.AC.1500100	MT PLUS STARTER CABLE 5-WIRE 1M ROUND	AM477770055
TU.AC.1500200	MT PLUS STARTER CABLE 5-WIRE 5M ROUND	AM477780055
TU.AC.1500300	MT PLUS STARTER CABLE 5-WIRE 30M ROUND	AM477790055
TU.AC.1500400	MT PLUS END CAP WITH 120Ω TERMINATOR	AM477800055
TU.AC.1500500	MT PLUS INTER CABLE 5-WIRE 0.14M FLAT	AM477810055
TU.AC.1500600	MT PLUS INTER CABLE 5-WIRE 1M FLAT	AM477820055
TU.AC.1500700	MT PLUS INTER CABLE 5-WIRE 4M FLAT	AM477830055
TU.AC.1500800	MT PLUS RJ45 / POWER INJECTOR CABLE KIT	AM477840055
TU.AC.1500900	MT PLUS POWER INJECTOR CABLE KIT	AM477850055
TU.AC.1501000	MT PLUS INTER CABLE 2-WIRE 30M ROUND	AM477860055

TX Power Supply

Model No.	Description	Item Code
N/A	LED ENGINE 100W 48V OUTDOOR	AM338910055
N/A	LED ENGINE 240W 48V OUTDOOR	AM089330055
N/A	LED ENGINE 320W 48V OUTDOOR	AM088070055