



DMX Digital White Vertical Tube Pixel by Pixel Control
DMX-TUBE-XXXX-XXXXXX

Main Features

- Control by DMX512 Protocol.
- A variety of White CCT available from 2200K to 5500K.
- Pixel by Pixel - each individual LED is one Pixel front and back in parallel.
- Double-sided Board for 360° viewing angle.
- Full dimming capability 0%-100%
- High-quality Diffuser housing for optimum optics.
- Two-year warranty.

General Technical Specifications

SKU:	DMX-TUBE-XXXX-XXXXXX
Operating Voltage:	24V DC
LED Chip Type:	SMD White 5050
LED Temperature Options:	2200K, 2700K, 4000K and 5500K.
IP Rating:	IP65
DMX Addressability:	Manual Addressing with external device (DMX-TUBE-PROG3)
Tube Length:	1m, 1.4m and 1.8m.
Viewing Angle:	360° Degrees
Housing Material:	Polycarbonate Plastic
Diffuser Type:	Clear, Frosted and Opal
Ambient Temperature:	-20°C ~ 50°C / -4°F ~ 122°F

Ordering Guide

Series	Product	Pixels	Channels	CCT ¹	Diffuser ²	Length
DMX	TUBE	XX	XX	XX	XX	XX
		32	32	22	CL	40
		45	45	27	FR	55
		58	58	40	OP	70
				55		

¹**CCT:** Correlated Color Temperature, represented by the first 2 of the nominal CCT.
 22= White 2200K
 27= White 2700K
 40= White 4000K
 55= White 5500K

²**Diffuser Finish:**
 CL= Clear
 FR= Frosted
 OP= Opal

SKU DMX-TUBE-4545-XXXXXX

DMX-TUBE-4545	22	CL	40 55 70	DMX-TUBE-4545	40	CL	40 55 70
		FR	40 55 70			FR	40 55 70
		OP	40 55 70			OP	40 55 70

DMX-TUBE-4545	27	CL	40 55 70	DMX-TUBE-4545	55	CL	40 55 70
		FR	40 55 70			FR	40 55 70
		OP	40 55 70			OP	40 55 70

SKU DMX-TUBE-3232-XXXXXX

DMX-TUBE-3232	22	CL	40 55 70	DMX-TUBE-3232	40	CL	40 55 70
		FR	40 55 70			FR	40 55 70
		OP	40 55 70			OP	40 55 70

DMX-TUBE-3232	27	CL	40 55 70	DMX-TUBE-3232	55	CL	40 55 70
		FR	40 55 70			FR	40 55 70
		OP	40 55 70			OP	40 55 70

SKU DMX-TUBE-5858-XXXXXX

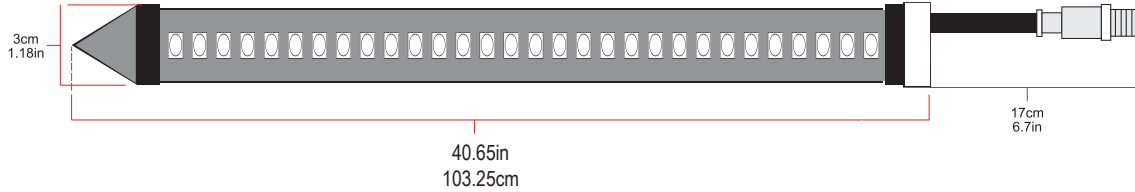
DMX-TUBE-5858	22	CL	40 55 70	DMX-TUBE-5858	40	CL	40 55 70
		FR	40 55 70			FR	40 55 70
		OP	40 55 70			OP	40 55 70

DMX-TUBE-5858	27	CL	40 55 70	DMX-TUBE-5858	55	CL	40 55 70
		FR	40 55 70			FR	40 55 70
		OP	40 55 70			OP	40 55 70

Physical Layout

DMX-TUBE-3232-XXXXXX

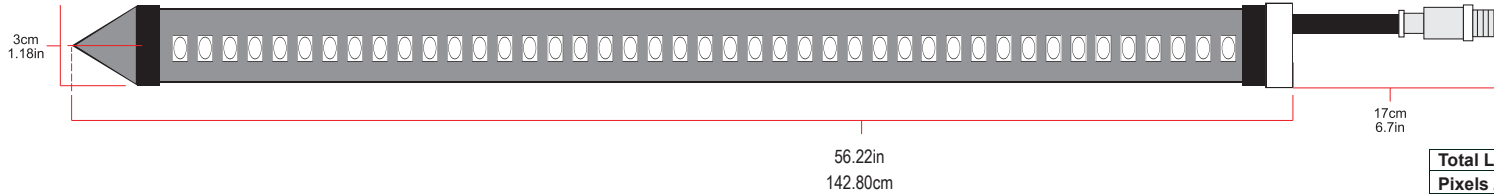
1 meter



Total LEDs	64 LEDs (32 on each side)
Pixels / DMX Channels	32
Tubes per Universe	16
Weight	7.4oz / 210g
Dimensions	40.65in x 1.18in (Power Cord Length 6.7in) 103.25cm x 3cm (Power Cord Length 17cm)
Max Power (per Tube)	15W
Power Supply	LED-PS24V-150W67-UL

DMX-TUBE-4545-XXXXXX

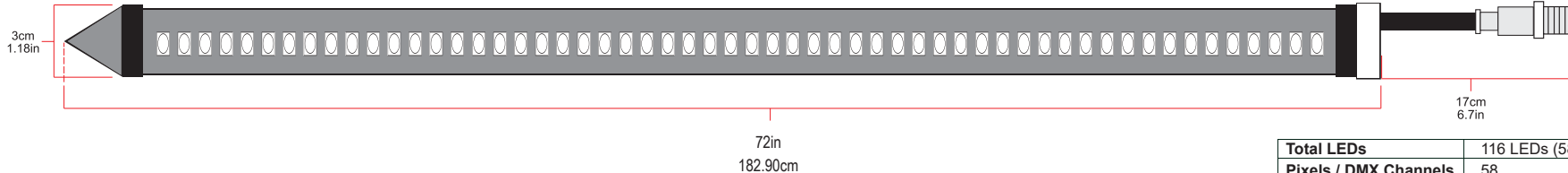
1.4 meters



Total LEDs	90 LEDs (45 on each side)
Pixels / DMX Channels	45
Tubes per Universe	11
Weight	9.9oz / 281g
Dimensions	56.22in x 1.18in (Power Cord Length 6.7in) 142.80cm x 3cm (Power Cord Length 17cm)
Max Power (per Tube)	22W
Power Supply	LED-PS24V-96W67-UL

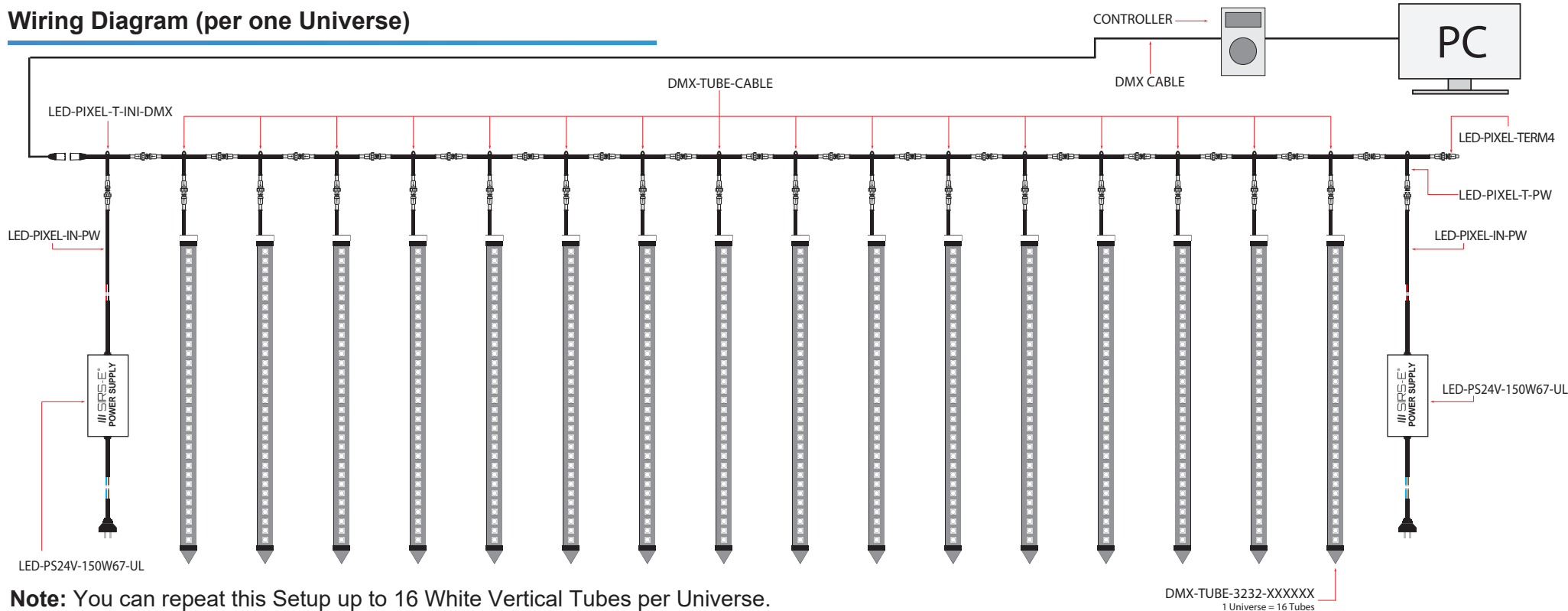
DMX-TUBE-5858-XXXXXX

1.8 meters



Total LEDs	116 LEDs (58 on each side)
Pixels / DMX Channels	58
Tubes per Universe	8
Weight	12.5oz / 354g
Dimensions	72in x 1.18in (Power Cord Length 6.7in) 182.90cm x 3cm (Power Cord Length 17cm)
Max Power (per Tube)	28W
Power Supply	LED-PS24V-96W67-UL

Wiring Diagram (per one Universe)



Note: You can repeat this Setup up to 16 White Vertical Tubes per Universe.

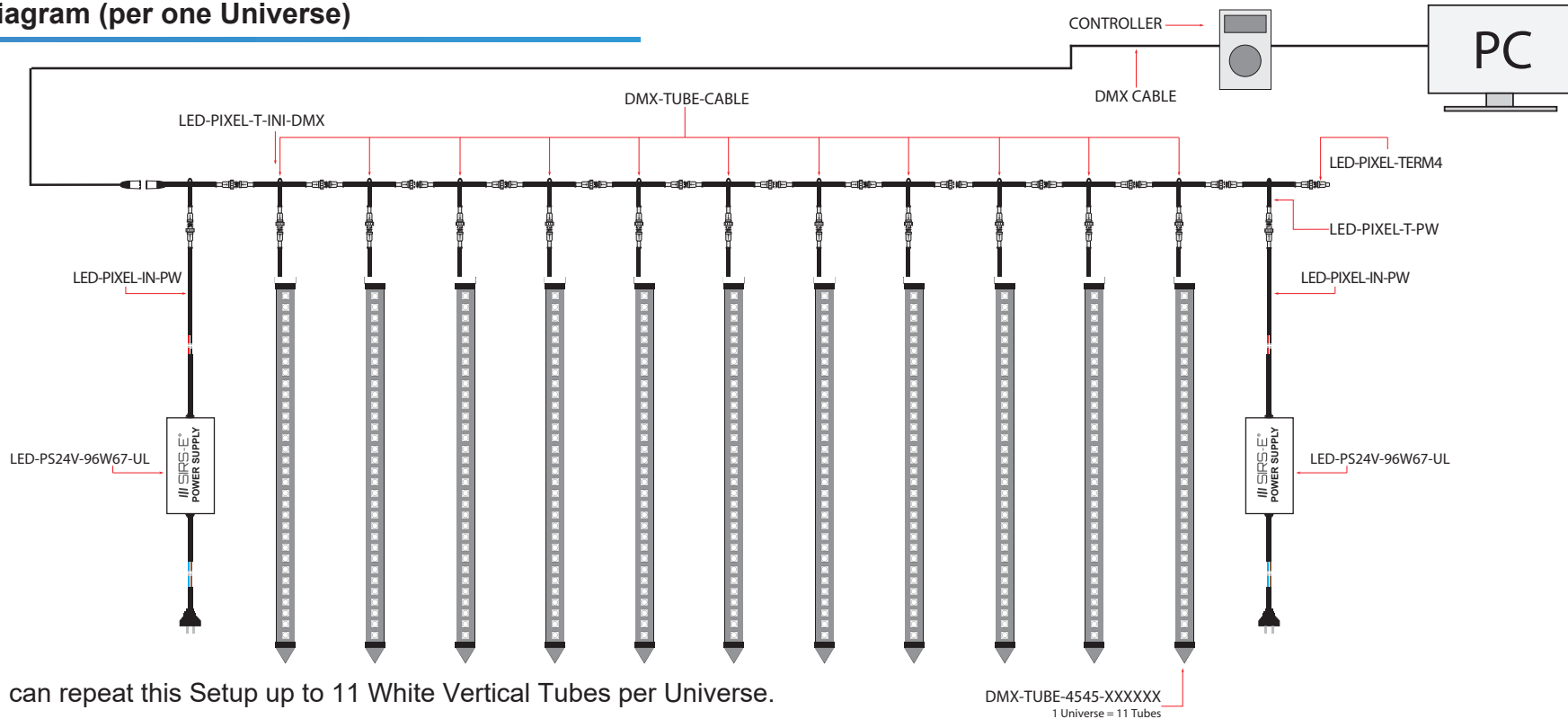
Quick Guide

- The DMX-TUBE-3232-XXXXXX works by connecting a series in a daisy chain.
- They are manually addressed using an external addressing device (DMX-TUBE-PROG3).
- The initial DMX signal is acquired by connecting one initial T Cable (LED-PIXEL-T-INI-DMX), which provides the primary DMX signal input and the main 24V DC power input.
- After the initial T Cable, the subsequent cables needed to daisy chain the White Vertical Tubes (DMX-TUBE-CABLE).
- At the end of the daisy chain per Universe 16 White Vertical Tubes, we need the terminal T cable (LED-PIXEL-T-PW) and the Terminal Connector (LED-PIXEL-TERM4).
- It is always to power each 16 White Vertical Tubes Line that you may create using from both sides of the chain using 2 Power Supplies 24V 150W (LED-PS24V-150W67-UL) each; this will decrease voltage drop and keep everything evenly lit.
- Use the cable (LED-PIXEL-IN-PW) to connect both Power Supplies to the White Vertical Tube chain.
- you can have up to 16 White Vertical Tubes per Universe.
- After the first 16 White Vertical Tubes, a new Universe will need to be created.



- ① Red Wire +5 ~ 24V DC
- ② NC
- ③ NC
- ④ Blue Wire B
- ⑤ Green Wire A
- ⑥ GND

Wiring Diagram (per one Universe)



Note: You can repeat this Setup up to 11 White Vertical Tubes per Universe.

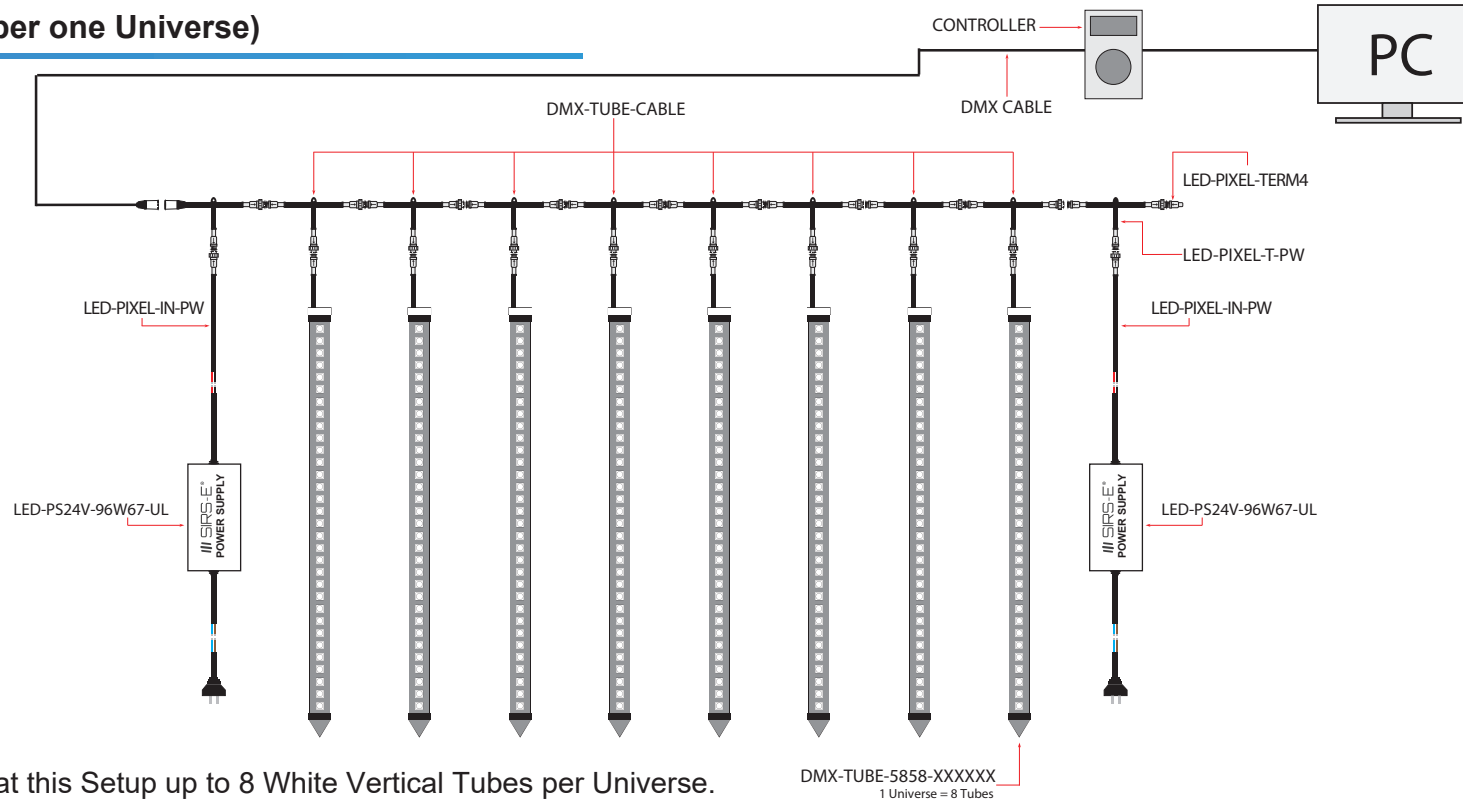
Quick Guide

- The DMX-TUBE-4545-XXXXXX works by connecting a series in a daisy chain.
- They are manually addressed using an external addressing device (DMX-TUBE-PROG3).
- The initial DMX signal is acquired by connecting one initial T Cable (LED-PIXEL-T-INI-DMX), which provides the primary DMX signal input and the main 24V DC power input.
- After the initial T Cable, the subsequent cables needed to daisy chain the White Vertical Tubes (DMX-TUBE-CABLE).
- At the end of the daisy chain per Universe 11 White Vertical Tubes, we need the terminal T cable (LED-PIXEL-T-PW) and the Terminal Connector (LED-PIXEL-TERM4).
- It is always to power each 11 White Vertical Tubes Line that you may create using from both sides of the chain using 2 Power Supplies 24V 96W (LED-PS24V-96W67-UL) each; this will decrease voltage drop and keep everything evenly lit.
- Use the cable (LED-PIXEL-IN-PW) to connect both Power Supplies to the White Vertical Tube chain.
- you can have up to 11 White Vertical Tubes per Universe.
- After the first 11 White Vertical Tubes, a new Universe will need to be created.



- ① Red Wire +5 ~ 24V DC
- ② NC
- ③ NC
- ④ Blue Wire B
- ⑤ Green Wire A
- ⑥ GND

Wiring Diagram (per one Universe)



Note: You can repeat this Setup up to 8 White Vertical Tubes per Universe.

Quick Guide

- The DMX-TUBE-5858-XXXXXX works by connecting a series in a daisy chain.
- They are manually addressed using an external addressing device (DMX-TUBE-PROG3).
- The initial DMX signal is acquired by connecting one initial T Cable (LED-PIXEL-T-INI-DMX), which provides the primary DMX signal input and the main 24V DC power input.
- After the initial T Cable, the subsequent cables needed to daisy chain the White Vertical Tubes (DMX-TUBE-CABLE).
- At the end of the daisy chain per Universe 8 White Vertical Tubes, we need the terminal T cable (LED-PIXEL-T-PW) and the Terminal Connector (LED-PIXEL-TERM4).
- It is always to power each 8 White Vertical Tubes Line that you may create using from both sides of the chain using 2 Power Supplies 24V 96W (LED-PS24V-96W67-UL) each; this will decrease voltage drop and keep everything evenly lit.
- Use the cable (LED-PIXEL-IN-PW) to connect both Power Supplies to the White Vertical Tube chain.
- you can have up to 8 White Vertical Tubes per Universe.
- After the first 8 White Vertical Tubes, a new Universe will need to be created.



- ① Red Wire +5 ~ 24V DC
- ② NC
- ③ NC
- ④ Blue Wire B
- ⑤ Green Wire A
- ⑥ GND