Customer Name	Project Name	Part Number

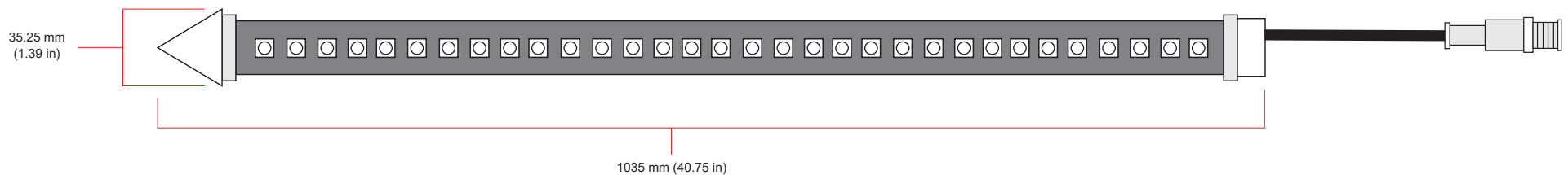LED DMX Bi-Pixel Vertical Tube 1m
DMX-TUBE-3216™

CE   RoHS

Features

- Double sided effects for 360° viewing angles.
- Full dimming capability 0%-100%.
- Full RGB capability.
- Every 2 LEDs is one RGB Pixel.
- Works with any type of DMX512 control.
- Colorful and vivid effects can easily be achieved.
- If set up in group, great 3D effects can be achieved.
- One year warranty.
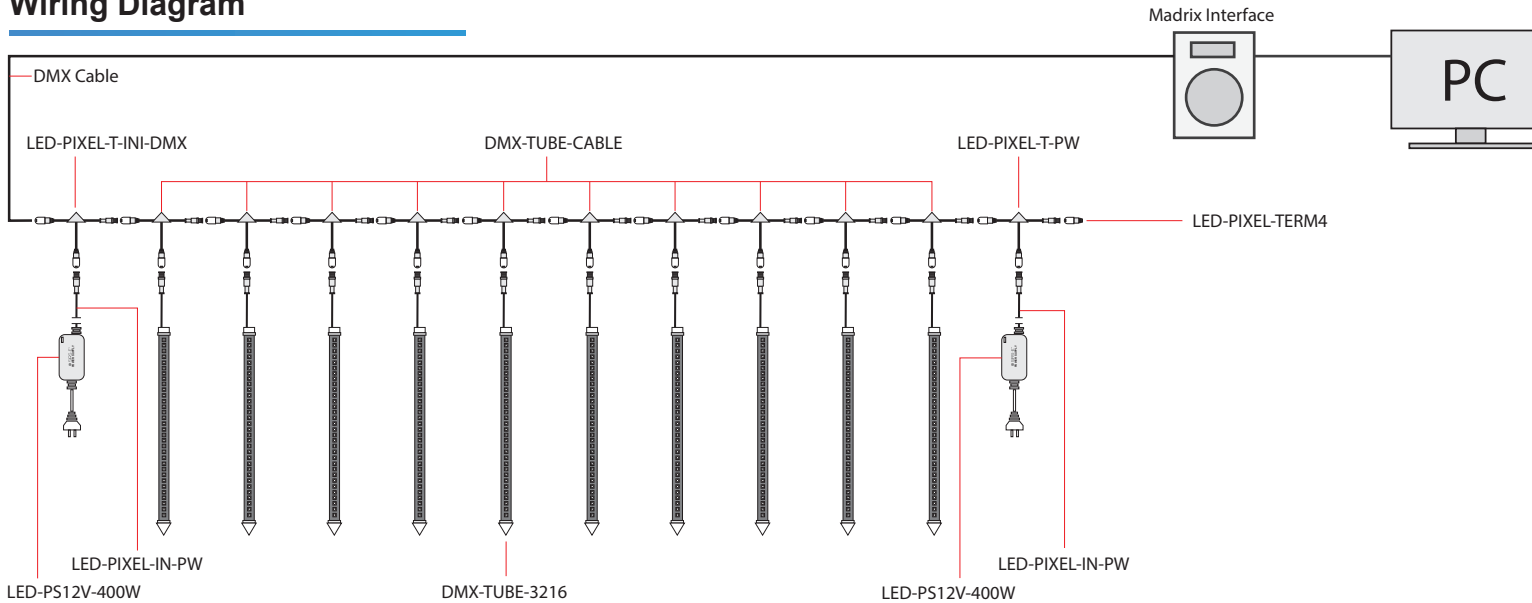- High quality clear plastic casing for optimum optics.

Product Specs

Model Number:	DMX-TUBE-3216
Operating Voltage:	DC 12V
Max Current:	24W
Ambient Temperature:	-20°C ~ 50°C
IP Rating:	IP65
LED Type:	SMD RGB 5050
Total LEDs:	64 (32 on each side)
Total Pixels:	16
Total DMX Channel:	48
Tubes per Universe:	10
DMXAddressability:	Manual Addressing with external device (DMX-TUBE-PROG)
Viewing Angle:	360°
Housing Materia:	Clear Polycarbonate Plastic
Weight:	350g
Dimensions:	1035 mm x 35.25 mm x 35.25 mm
	40.75 in x 1.39 in x 1.39 in

Physical Layout

35.25 mm
(1.39 in)

1035 mm (40.75 in)

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Wiring Diagram

DMX Cable
LED-PIXEL-T-INI-DMX
DMX-TUBE-CABLE
LED-PIXEL-T-PW
Madrix Interface
PC
LED-PIXEL-TERM4
LED-PIXEL-IN-PW
LED-PIXEL-IN-PW
LED-PS12V-400W
DMX-TUBE-3216
LED-PS12V-400W

NOTE: You can repeat this setup up to 10 tubes per Universe.

COLOR CODE

DC +	(Red)
Ground	(Black)
DMX -	(Blue)
DMX +	(Green)

Female XLR 3 Pin Connector
+12V DC
-12V DC
DMX Cable

PWR   Signal
Digital Display
Changes Channel Up
Changes Channel Down
Sets Channel
+   -   Enter
Write the address editor

DMX-TUBE-PROG

NOTES

- The DMX-TUBE-3216 works by connecting a series of them in a, daisy chain.
- They are manually addressed using an external addressing device (DMX-TUBE-PROG).
- The initial DMX signal is acquired by connecting one initial T cable (part number: LED-PIXEL-T-INI-DMX) which provides the main DMX signal input as well as the main 12V DC power input.
- After the initial T Cable, the subsequent cables needed to daisy chain the vert tubes are the LED-PIXEL-T-PW which do not have the DMX connector.
- It is always best to power each 10 tube line that you may have created using the vert tubes from both sides of the line using 2 power supplies (12V 400W each), this will decrease voltage drop and keep everything evenly lit.
- You can have up to 10 Vert Tubes per universe.
- After the first 10 tubes, a new universe will need to be created.

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