

traxon



4PXL Add-On Strip (62.5)
4PXL Add-On Board (62.5)



MB.ST.5311000
MB.BO.5315000

The Traxon 4PXL Add-on Strip and 4PXL Add-on Board are add-on extensions for the 1PXL Board RGB and 16PXL Board RGB. The strip/board features 4 LEDs that can be commonly controlled or individually controlled.



PRODUCT SPECIFICATIONS

- **Light Source:** High intensity Nichia SMD RGB LEDs (individually controllable)
- **Color Range:** 16.7 million additive RGB colors
- **Color Resolution:** 3 x 14-bit (Gamma correction)
- **Beam Angle:** 120°
- **Cover Lens:** N/A
- **Housing:** N/A
- **Adjustment Options:** N/A
- **Model:**

MB.ST.5311000	MB.BO.5315000
4PXL Add-on Strip	4PXL Add-on Board
- **Number of LEDs:**

4 (1 x 4 matrix)	4 (2 x 2 matrix)
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- **LED Pitch:**

62.5mm / 2.46"	62.5mm / 2.46"
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- **Size:**

42.5 x 230 x 11.5 mm	105 x 105 x 11.5 mm
1.67 x 9.06 x 0.45 in	4.13 x 4.13 x 0.45 in
- **Weight:**

50g	50g
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- **Regulatory Listing & Safety Approval:** CE
- **Operating Temperature:** 0°C to 40°C / 32°F to 104°F
- **Storage Temperature:** -20°C to +70°C / -4°F to 158°F
- **Rating:** Indoor
- **Humidity:** 0 to 90% non-condensing

ELECTRICAL SPECIFICATIONS

- **Operating Voltage:** 24V DC
- **Power Consumption:**

2.5W max.	2.5W max.
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SYSTEM SPECIFICATIONS

- **Power/Data Interface:** TX CONNECT Smart Indoor
- **Control:** DMX512
- **Power Supply:** LED Engine Smart 100W Indoor [PS.IA.0010000]
- **Addressing Options:** Auto-Addressing ON/OFF, common or individual pixel control

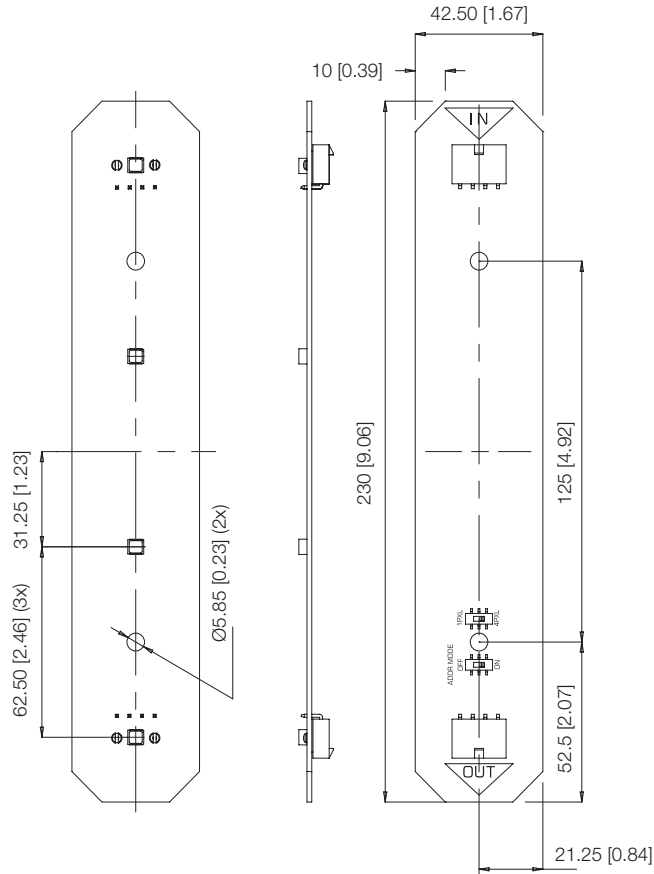
LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters,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

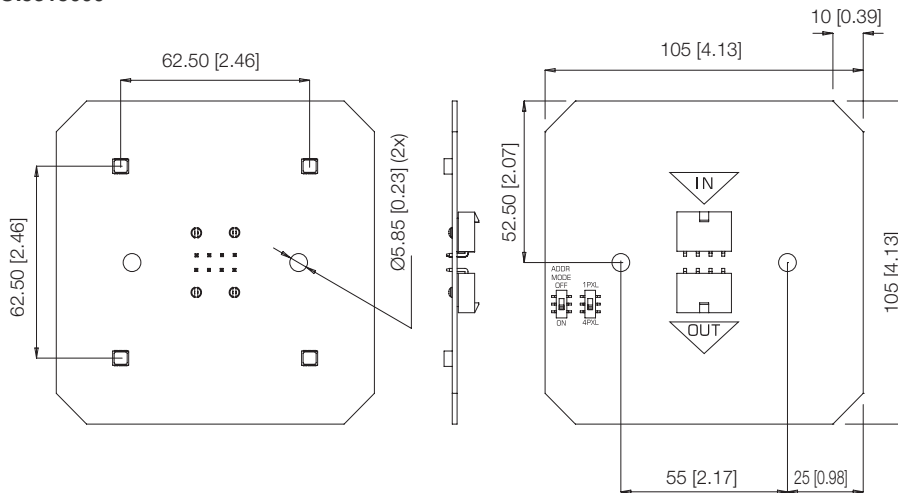


TECHNICAL DRAWING

4PXL Add-on Strip (62.5mm)
MB.ST.5311000



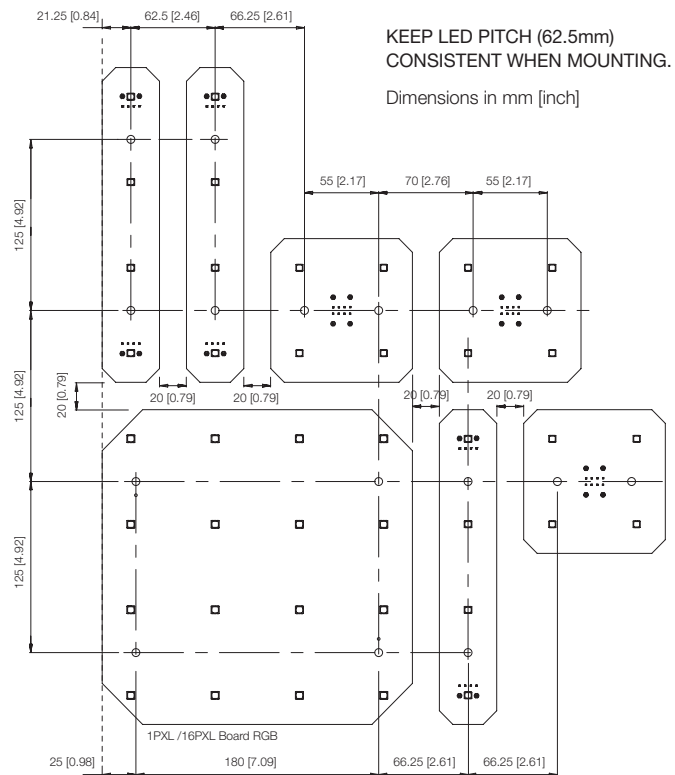
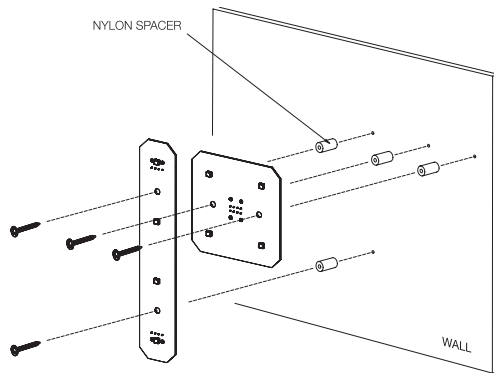
4PXL Add-on Board (62.5mm)
MB.BO.5315000



Dimensions in mm [in]



MOUNTING



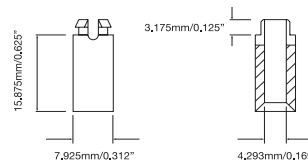
Mounting Accessories



2 x Nylon Spacers



2 x 35mm Screws



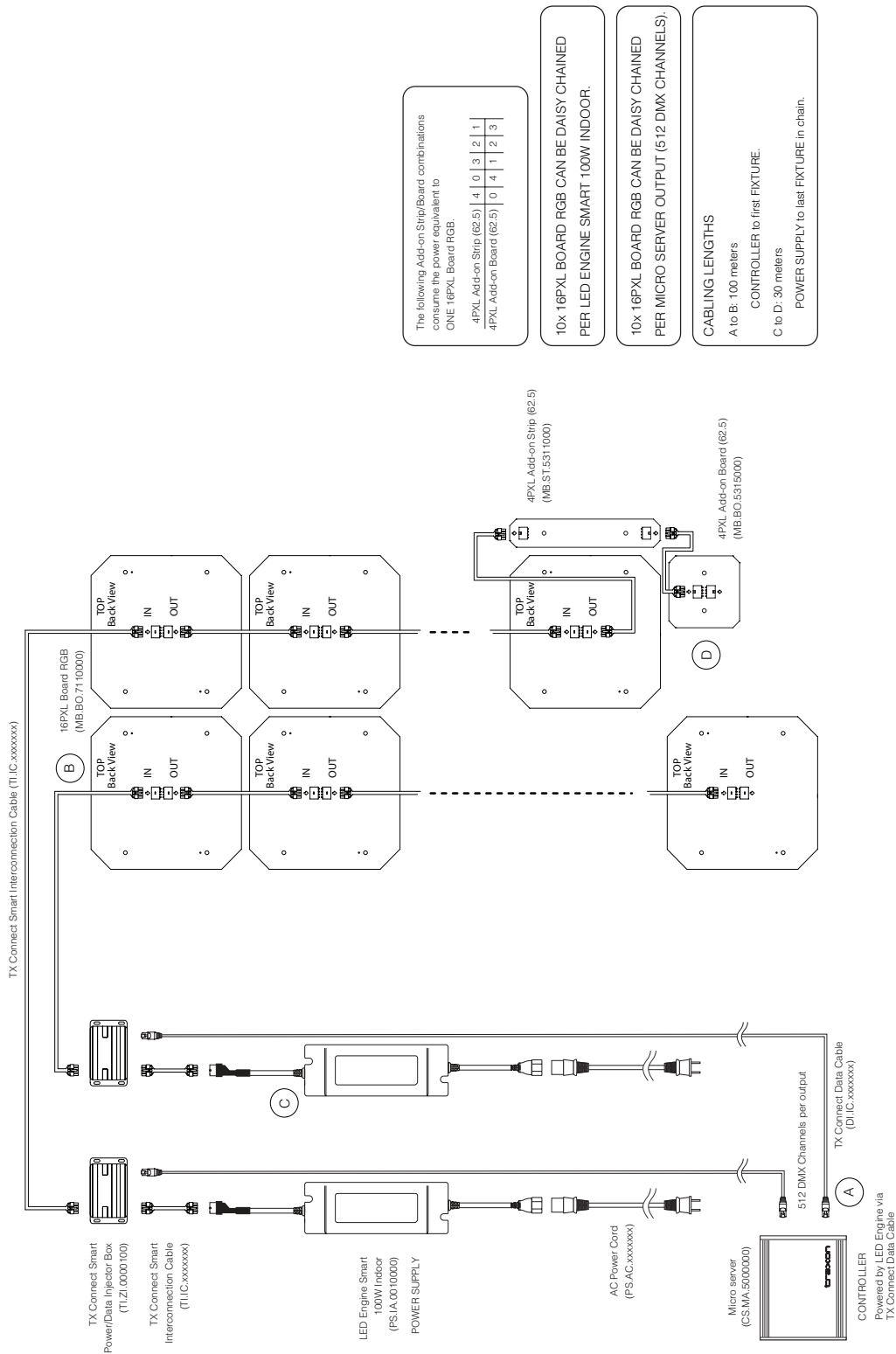
Nylon Spacer Dimensions



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System Diagram

SYSTEM DIAGRAM



The following Add-on Strip/Board combinations consume the power equivalent to ONE 16PXL Board RGB:
4PXL Add-on Strip (62.5) | 4 | 0 | 3 | 2 | 1
4PXL Add-on Board (62.5) | 0 | 4 | 1 | 2 | 3

10x 16PXL BOARD RGB CAN BE DAISY CHAINED PER LED ENGINE SMART 100W INDOOR.

10x 16PXL BOARD RGB CAN BE DAISY CHAINED PER MICRO SERVER OUTPUT (512 DMX CHANNELS).

CABLING LENGTHS
A to B: 100 meters
CONTROLLER to first FIXTURE.
C to D: 30 meters
POWER SUPPLY to last FIXTURE in chain.



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Accessories

STANDARD ACCESSORIES (included in delivery for 4PXL Add-On Strip)

Model No.	Description
TI.IC.0030000	TX CONNECT Smart Indoor Interconnection Cable, 30cm / 11.8"
TI.IC.0004000	TX CONNECT Smart Indoor Interconnection Cable, 4cm / 1.6"
	1x Mounting Kit (2x Nylon Spacers, 2x Mounting Screws)

STANDARD ACCESSORIES (included in delivery for 4PXL Add-On Board)

Model No.	Description
TI.IC.0030000	TX CONNECT Smart Indoor Interconnection Cable, 30cm / 11.8"
TI.IC.0008000	TX CONNECT Smart Indoor Interconnection Cable, 8cm / 3.1"
	1x Mounting Kit (2x Nylon Spacers, 2x Mounting Screws)

TX CONTROL

Model No.	Description
CS.MA.5000000	Micro Server

TX CONNECT

Model No.	Description
TI.ZI.0000100	TX CONNECT Smart Power/Data Injector Box
TI.DO.0000100	TX CONNECT Smart Data Extractor Box
TI.PI.0000100	TX CONNECT Smart Power Injector Cable
TI.EC.0050000	TX CONNECT Smart Indoor Extension Cable, 0.5m / 1.64ft
TI.EC.0100000	TX CONNECT Smart Indoor Extension Cable, 1m / 3.28ft
TI.EC.0300000	TX CONNECT Smart Indoor Extension Cable, 3m / 9.84ft
TI.EC.0500000	TX CONNECT Smart Indoor Extension Cable, 5m / 16.4ft
TI.EC.1000000	TX CONNECT Smart Indoor Extension Cable, 10m / 32.8ft
DI.IC.0100000	TX CONNECT Data Cable, 1m/3.28ft

TX POWER

Model No.	Description
PS.IA.0010000	LED Engine Smart 100W Indoor
PS.IB.7030000	LED Engine Smart 300W Indoor
PS.AC.0200100	LED Engine Garage 200V
PS.AC.0200200	LED Engine Garage 110V
PS.AC.0000100	AC Power Cord (EU)
PS.AC.0000200	AC Power Cord (US)
PS.AC.0000300	AC Power Cord (UK)
PS.AC.0000400	AC Power Cord (AU)
PS.AC.0000500	AC Power Cord (JP)