



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

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

Model	4PXL Add-On Strip	4PXL Add-On Board
Light Source	High intensity Nichia SMT RGB LEDs (individually controllable)	
Number of LEDs	4 (1 x 4 matrix)	4 (2 x 2 matrix)
Color Range	16.7 Million additive RGB colors	
Color Resolution	3 x 14-bit (Gamma correction)	
Beam Angle	120°	
Luminous Flux	33 lm	
Efficacy	13.2 lm/W	
LED Pitch	62.5mm / 2.5"	
Dimensions (L x W x H)	42.5 x 230 x 11.5mm 1.67" x 9.06" x 0.45"	105 x 105 x 11.5mm 4.13" x 4.13" x 0.45"
Weight	0.1kg / 0.23lbs	
Regulatory Listing & Safety Approval	CE, cETLus	
Operating Temperature	0°C to 40°C / 32°F to 104°F	
Storage Temperature	-20°C to +70°C / -4°F to +158°F	
Environment	Indoor	
Humidity	0 to 90% non-condensing	

### Electrical Specifications

Input Voltage	24V DC
Power Consumption	2.5W max.

### System Specifications

Power / Data Interface	TX CONNECT Smart Indoor
Control	DMX512; e:pix/DVI
Power Supply	LED Engine Smart 100W Indoor (see Ordering page for details)
Addressing Options	Auto-Addressing ON/OFF, common or individual pixel control

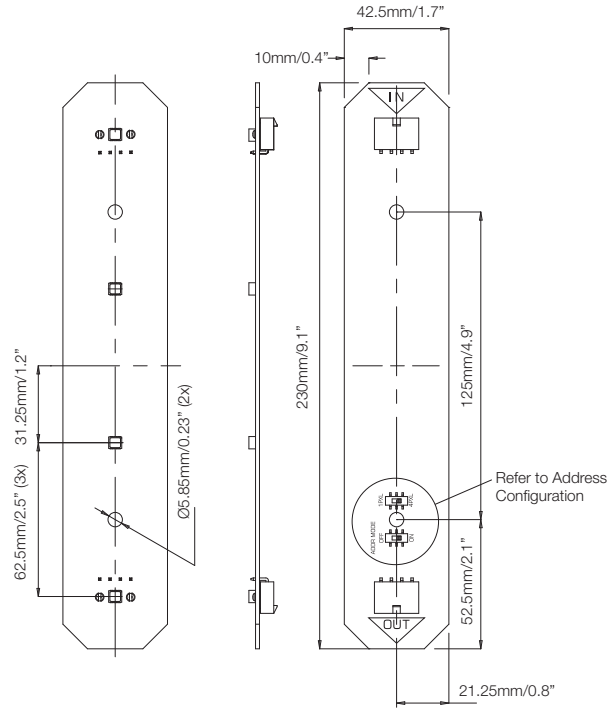
**LED CHARACTERISTICS** Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters,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

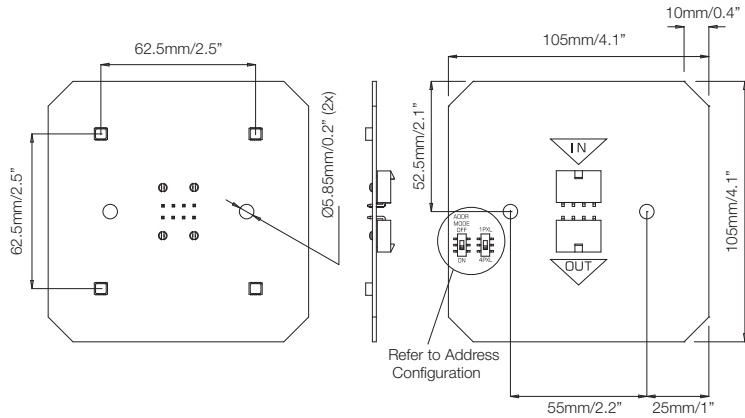
## 4PXL Add-On Strip (62.5) 4PXL Add-On Board (62.5)

## Dimensions

### 4PXL Add-On Strip (62.5mm)

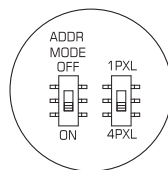


### 4PXL Add-On Board (62.5mm)

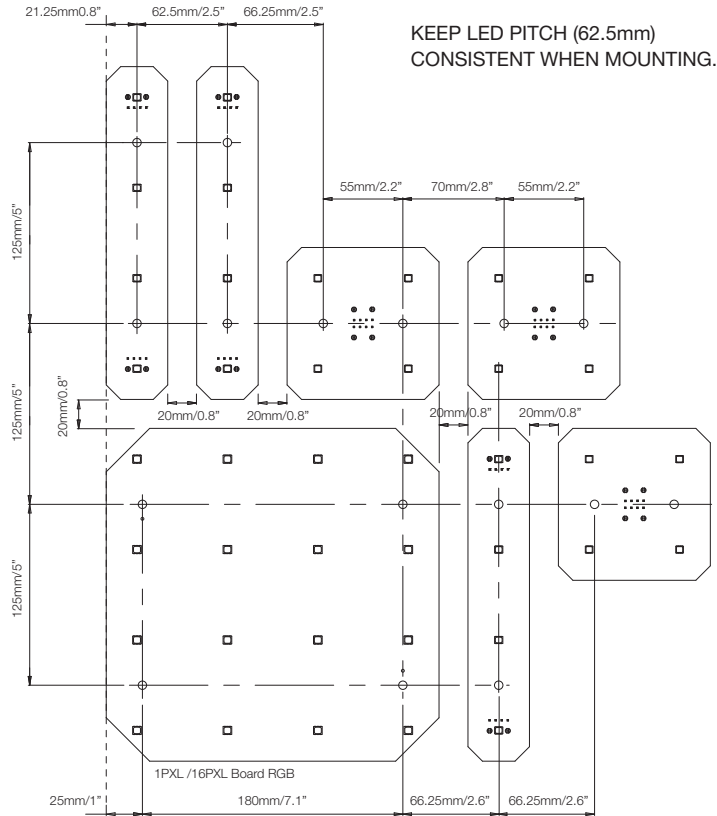
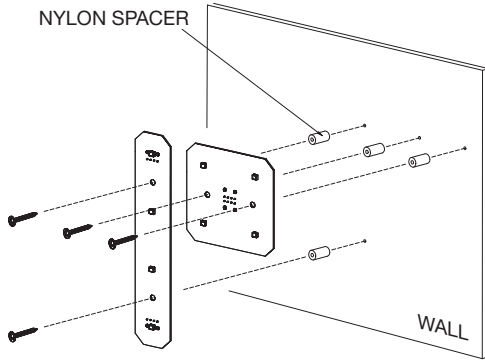


### Address Configuration


Addr mode	
OFF	Auto Addressing OFF
ON	Auto Addressing ON (Default)




Pxl mode	
1PXL	Common Pixel
4PXL	Individual Pixel (Default)



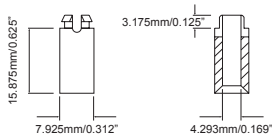
**Mounting Accessories**



2 x Nylon Spacers

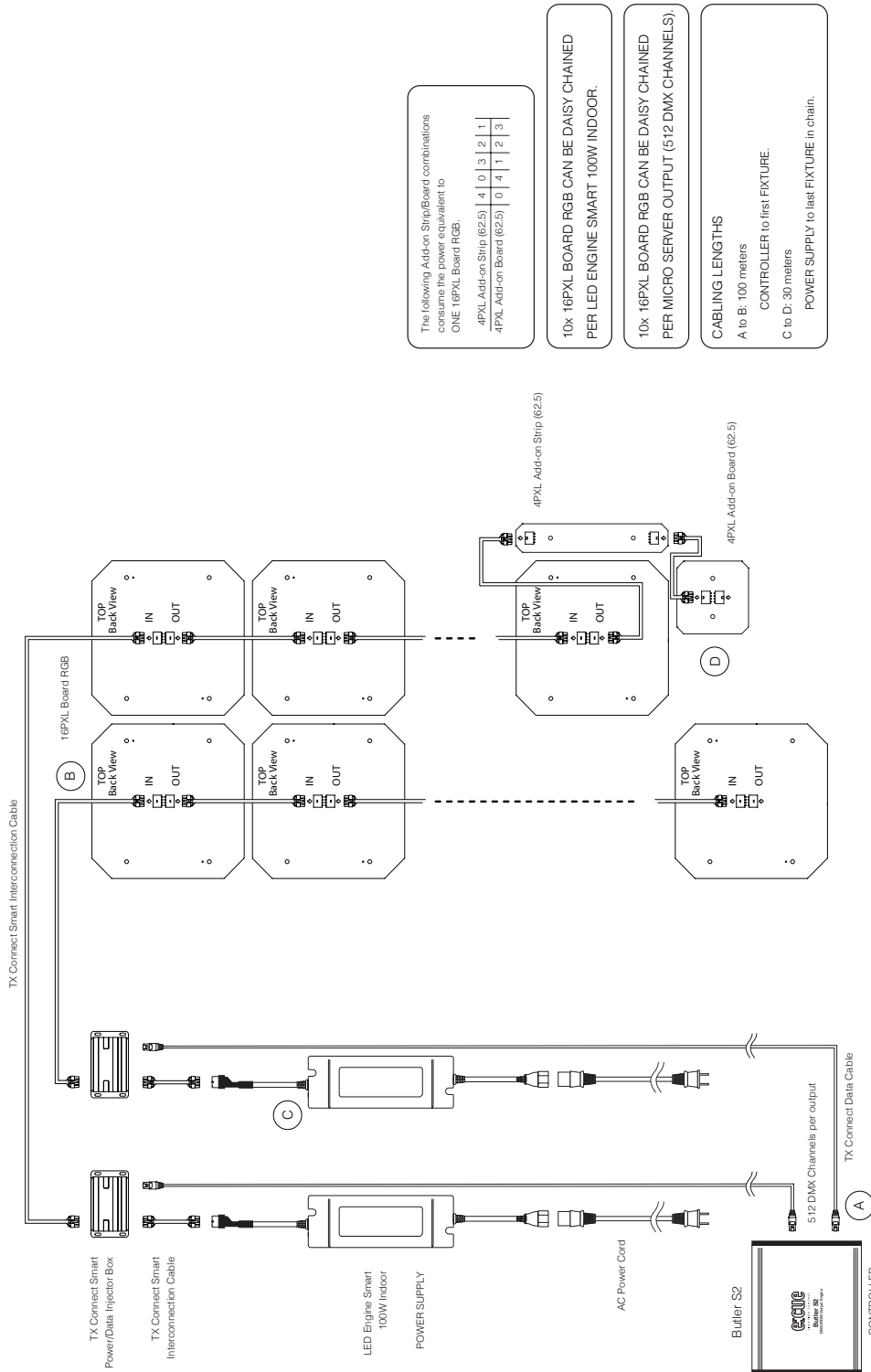


2 x 35mm Screws



**Nylon Spacer Dimensions**

System Diagram - Butler S2



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.



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

Ordering

### Fixtures

Model No.	Description	Item Code
MB.ST.5311000	4PXL Add-On Strip (62.5)	AA436770055
MB.BO.5315000	4PXL Add-On Board (62.5)	AA436760055

### Standard Accessories (included in delivery for 4PXL Add-On Strip)

Model No.	Description	Item Code
TI.IC.0030000	TX CONNECT Smart Indoor Interconnection Cable, 30cm/11.82"	A63420F0055
TI.IC.0004000	TX CONNECT Smart Indoor Interconnection Cable, 4cm/1.6"	AA438900055
N/A	1x Mounting Kit (2x Nylon Spacers, 2x Mounting Screws)	N/A

### Standard Accessories (included in delivery for 4PXL Add-On Board)

Model No.	Description	Item Code
TI.IC.0030000	TX CONNECT Smart Indoor Interconnection Cable, 30cm/11.82"	A63420F0055
TI.IC.0008000	TX CONNECT Smart Indoor Interconnection Cable, 8cm/3.1"	A6341920055
N/A	1x Mounting Kit (2x Nylon Spacers, 2x Mounting Screws)	N/A

### TX Control

Model No.	Description	Item Code
EN.BU.0000001	Butler S2	AA624080072

### TX Connect

Model No.	Description	Item Code
TI.ZI.0000100	TX CONNECT Smart Power/Data Injector Box	A704836003J
TI.DO.0000100	TX CONNECT Smart Data Extractor Box	A704842003J
TI.PI.0000100	TX CONNECT Smart Power Injector Cable	A6340570055
TI.EC.0050000	TX CONNECT Smart Indoor Extension Cable, 0.5m/1.64ft	AA556350055
TI.EC.0100000	TX CONNECT Smart Indoor Extension Cable, 1m/3.28ft	A6342330055
TI.EC.0300000	TX CONNECT Smart Indoor Extension Cable, 3m/9.84ft	A6342410055
TI.EC.0500000	TX CONNECT Smart Indoor Extension Cable, 5m/16.4ft	AA580410055
TI.EC.1000000	TX CONNECT Smart Indoor Extension Cable, 10m/32.8ft	A6342680055
DI.IC.0100000	TX CONNECT Data Cable, 1m/3.28ft	AA556130055

### TX Power

Model No.	Description	Item Code
PS.IA.0010000	LED Engine Smart 100W Indoor	AA624090055
PS.IB.7030000	LED Engine Smart 300W 24V Indoor	AA5571201HA
PS.AC.0000100	AC Power Cord, 2m/6.6ft (EU)	AA553860055
PS.AC.0000200	AC Power Cord, 2m/6.6ft (US)	AA556290055
PS.AC.0000300	AC Power Cord, 2m/6.6ft (UK)	AA556300155
PS.AC.0000400	AC Power Cord, 2m/6.6ft (AU)	AA556310055



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