

**8PXL Add-On Strip (31.25)**  
**16PXL Add-On Board (31.25)**

8PXL Add-on Strip and 16PXL Add-on Board are add-on extensions for the 64PXL Board RGB. The strip features 8 LEDs, and the board features 16 LEDs that are individually controlled.



**Product Specifications**

<b>Model</b>	8PXL Add-On Strip	16PXL Add-On Board
<b>Light Source</b>	High intensity Nichia SMT LEDs (individually controllable)	
<b>Number of LEDs</b>	8 (1 x 8 matrix)	16 (4 x 4 matrix)
<b>Color Range</b>	16.7 Million additive RGB colors	
<b>Color Resolution</b>	3 x 12-bit (Gamma correction)	
<b>Beam Angle</b>	120°	
<b>LED Pitch</b>	31.25mm / 1.23"	
<b>Dimensions (L x W x H)</b>	21.2 x 240 x 11.5mm 0.83" x 9.45" x 0.45"	115 x 115 x 11.5mm 4.53" x 4.53" x 0.45"
<b>Weight</b>	30g / 0.07lbs	70g / 0.15lbs
<b>Regulatory Listing &amp; Safety Approval</b>	CE	
<b>Operating Temperature</b>	0°C to +40°C / +32°F to +104°F	
<b>Storage Temperature</b>	-20°C to +70°C / -4°F to +158°F	
<b>Environment</b>	Indoor	
<b>Humidity</b>	0 to 90% non-condensing	

**Electrical Specifications**

<b>Input Voltage</b>	24V DC	
<b>Power Consumption</b>	5W max.	10W max.

**System Specifications**

<b>Power / Data Interface</b>	TX Connect Smart Indoor
<b>Control</b>	DMX512 / e:pix / DVI capable
<b>Power Supply</b>	LED Engine Smart 100W Indoor (see Ordering page for details)

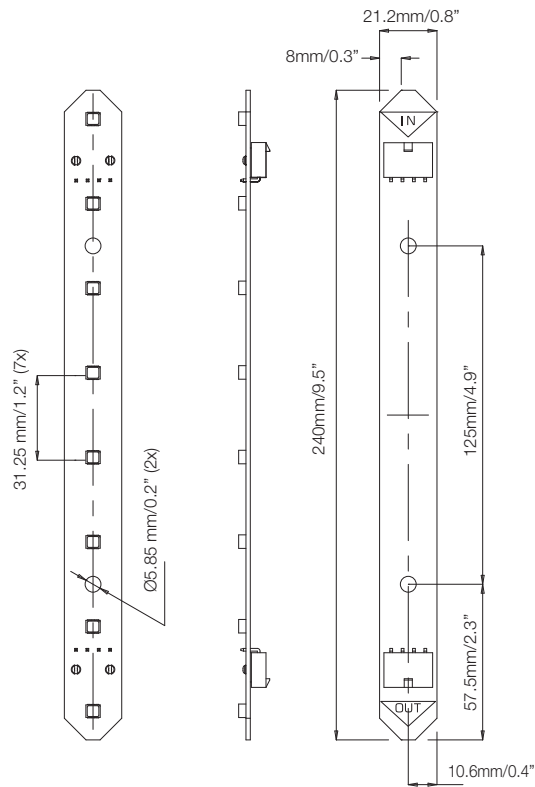
**LED CHARACTERISTICS** Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters,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

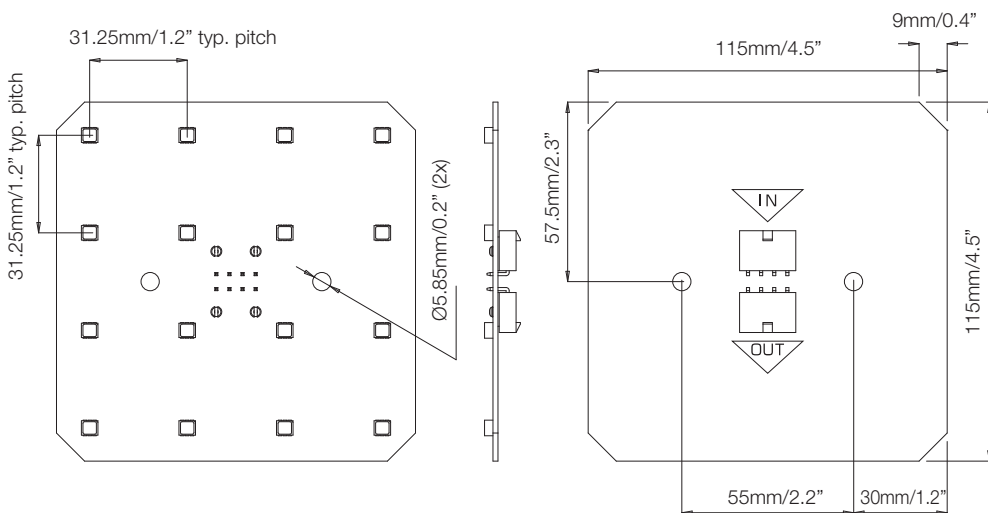
## 8PXL Add-On Strip (31.25) 16PXL Add-On Board (31.25)

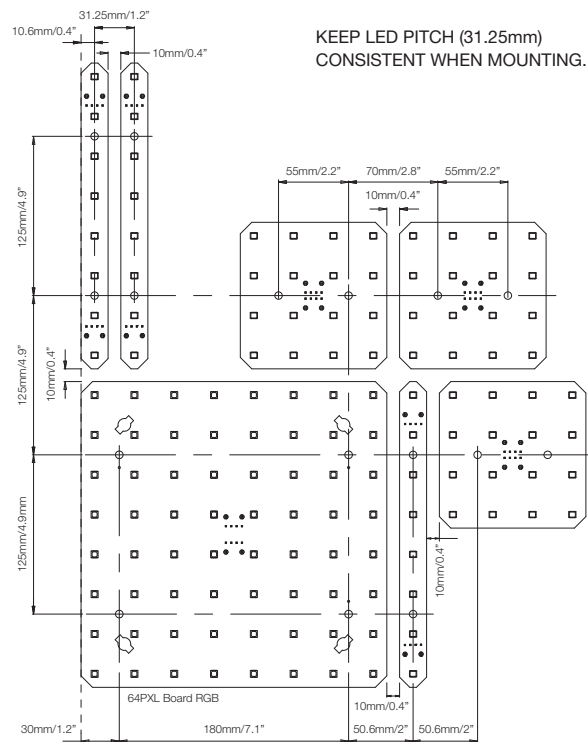
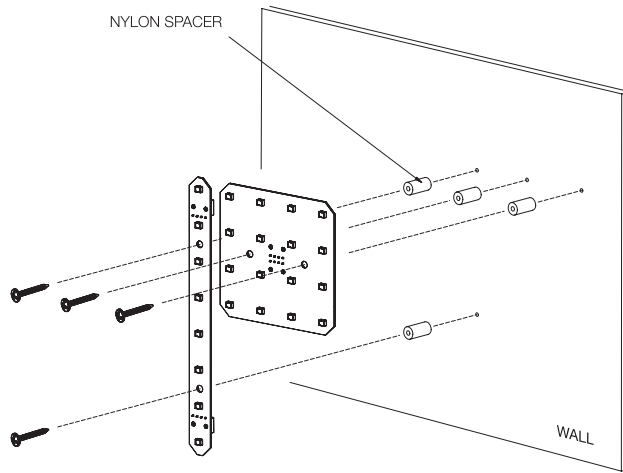
## Dimensions

### 8PXL Add-On Strip (31.25mm)



### 16PXL Add-On Board (31.25mm)





**Mounting Accessories**

2 x Nylon Spacers

2 x 35mm Screws

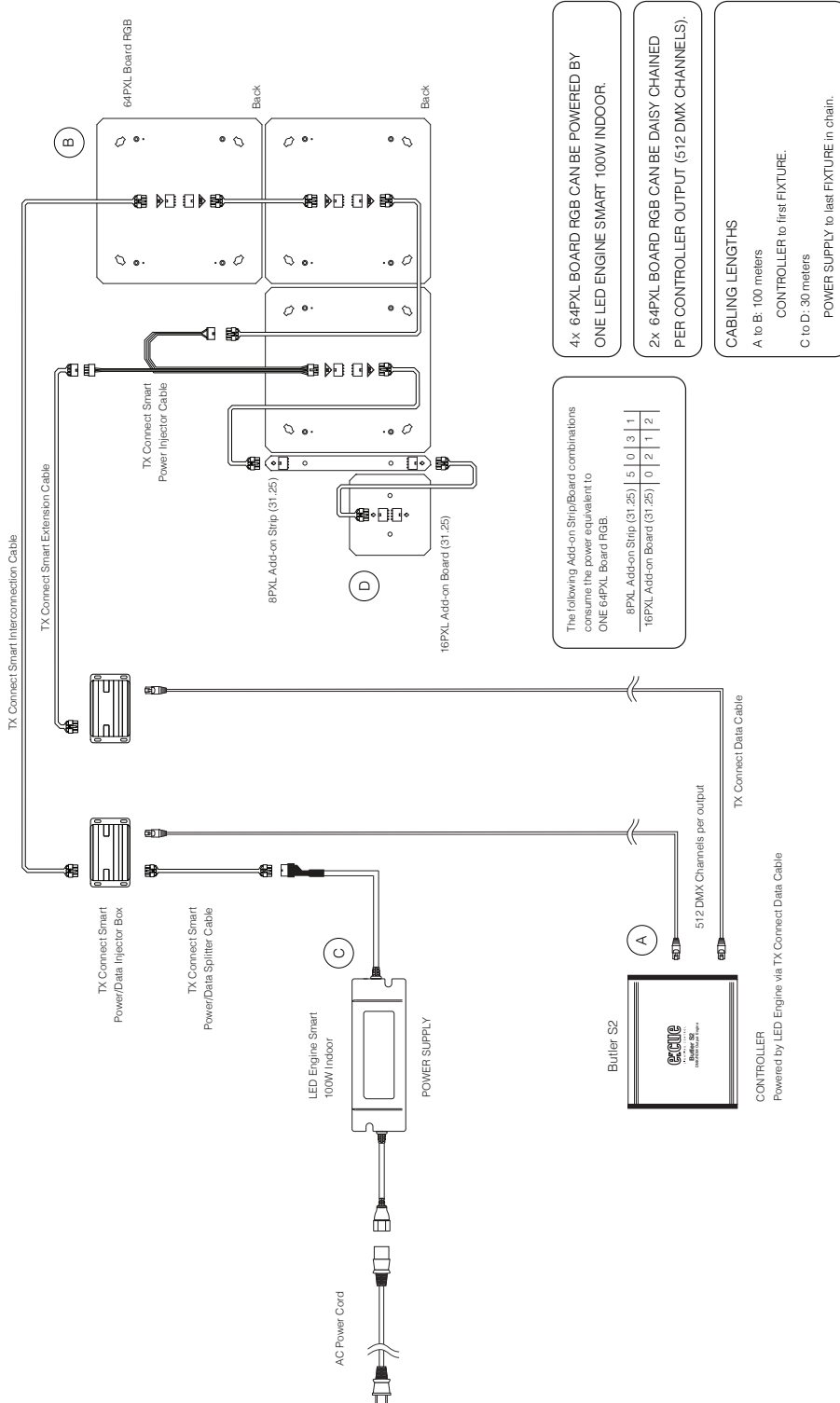
**Nylon Spacer Dimensions**

[www.traxontechnologies.com](http://www.traxontechnologies.com)

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System Diagram





## 8PXL Add-On Strip (31.25) 16PXL Add-On Board (31.25)

Ordering

### Fixtures

Model No.	Description	Item Code
MB.ST.7213000	8PXL Add-On Strip RGB (31.25)	AA508340055
MB.BO.7110100	16PXL Add-On Board RGB (31.25)	AA436720055

### Standard Accessories (included in delivery for 8PXL Add-On Strip RGB)

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 16PXL Add-On Board RGB)

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.0000300	TX CONNECT Smart Power Injector Cable	AA556380055
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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